

# **The First 1000 Prime Empirical Proof in Long Division**

## P<sub>1</sub> 2

Prime numbers are defined as numbers greater than 1 that have no positive divisors other than 1 and themselves. 1 is self-Prime. The sequence of Prime numbers starts with 2, 3, 5, 7, 11, and so on.

A Prime is any number only divisible by 1 and itself searching first that a number is not even if it divides by 2, optimising using a Vignette Sieve that if not only up to  $n/2$  needs to be tested as a divisor, then 3 if not only up to  $n/3$  needs to be tested as divisor,  $n/5$ ,  $n/7$ ,  $n/11$ ,  $n/13$ ,  $n/17$ ,  $n/19$ ,  $n/23$ ,  $n/29$ ,  $n/31$  & so on so that only divisibility by a Prime needs to be checked up to  $\sqrt{n}$  for to prove not Prime & since for example we have ruled out that the number is a factor of three or two so there is no natural number greater than  $n/3$  that can be a divisor.

Explanation: This prime is only divisible by 1 and itself. No division required.

<https://github.com/Willtech/Prime>

## **P<sub>2</sub> 3**

$$3 \div 2 = 1 \text{ remainder } 1$$

$$\begin{array}{r} 2 \overline{) 3} \phantom{00} \\ \underline{2} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>3</sub> 5**

$$5 \div 2 = 2 \text{ remainder } 1$$

$$\begin{array}{r} 2 \overline{) 5} \phantom{00} \\ \underline{4} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

**P<sub>4</sub> 7**

$$7 \div 2 = 3 \text{ remainder } 1$$

$$\begin{array}{r} 2 \overline{) 7^3} \\ \underline{6} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>5</sub> 11**

$$11 \div 2 = 5 \text{ remainder } 1$$

$$\begin{array}{r} 2 \mid \overline{11} \phantom{00} \\ \phantom{2 \mid } \underline{10} \phantom{00} \\ \phantom{2 \mid } \phantom{00} \phantom{00} \\ \phantom{2 \mid } 1 \leftarrow \text{remainder} \end{array}$$

$$11 \div 3 = 3 \text{ remainder } 2$$

$$\begin{array}{r} 3 \mid \overline{11} \phantom{00} \\ \phantom{3 \mid } \underline{9} \phantom{00} \\ \phantom{3 \mid } \phantom{00} \phantom{00} \\ \phantom{3 \mid } 2 \leftarrow \text{remainder} \end{array}$$

## **P<sub>6</sub> 13**

$$13 \div 2 = 6 \text{ remainder } 1$$

$$\begin{array}{r} 6 \\ 2 \overline{) 13} \\ \underline{12} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$13 \div 3 = 4 \text{ remainder } 1$$

$$\begin{array}{r} 4 \\ 3 \overline{) 13} \\ \underline{12} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>7</sub> 17**

$$17 \div 2 = 8 \text{ remainder } 1$$

$$\begin{array}{r} 8 \\ 2 \overline{) 17} \\ \underline{16} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$17 \div 3 = 5 \text{ remainder } 2$$

$$\begin{array}{r} 5 \\ 3 \overline{) 17} \\ \underline{15} \\ 2 \end{array} \leftarrow \text{remainder}$$



## P<sub>8</sub> 19

$$19 \div 2 = 9 \text{ remainder } 1$$

$$\begin{array}{r} 9 \\ 2 \overline{) 19} \\ \underline{18} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$19 \div 3 = 6 \text{ remainder } 1$$

$$\begin{array}{r} 6 \\ 3 \overline{) 19} \\ \underline{18} \\ 1 \end{array} \leftarrow \text{remainder}$$

## P<sub>9</sub> 23

$$23 \div 2 = 11 \text{ remainder } 1$$

$$\begin{array}{r} 11 \\ 2 \overline{) 23} \\ \underline{22} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$23 \div 3 = 7 \text{ remainder } 2$$

$$\begin{array}{r} 7 \\ 3 \overline{) 23} \\ \underline{21} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>10</sub> 29**

$$29 \div 2 = 14 \text{ remainder } 1$$

$$\begin{array}{r} 14 \\ 2 \overline{) 29} \\ \underline{28} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$29 \div 3 = 9 \text{ remainder } 2$$

$$\begin{array}{r} 9 \\ 3 \overline{) 29} \\ \underline{27} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$29 \div 5 = 5 \text{ remainder } 4$$

$$\begin{array}{r} 5 \\ 5 \overline{) 29} \\ \underline{25} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>11</sub> 31**

$$31 \div 2 = 15 \text{ remainder } 1$$

$$\begin{array}{r} 15 \\ 2 \overline{) 31} \\ \underline{30} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$31 \div 3 = 10 \text{ remainder } 1$$

$$\begin{array}{r} 10 \\ 3 \overline{) 31} \\ \underline{30} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$31 \div 5 = 6 \text{ remainder } 1$$

$$\begin{array}{r} 6 \\ 5 \overline{) 31} \\ \underline{30} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>12</sub> 37**

$$37 \div 2 = 18 \text{ remainder } 1$$

$$\begin{array}{r} 18 \\ 2 \overline{) 37} \\ \underline{36} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$37 \div 3 = 12 \text{ remainder } 1$$

$$\begin{array}{r} 12 \\ 3 \overline{) 37} \\ \underline{36} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$37 \div 5 = 7 \text{ remainder } 2$$

$$\begin{array}{r} 7 \\ 5 \overline{) 37} \\ \underline{35} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>13</sub> 41**

$$41 \div 2 = 20 \text{ remainder } 1$$

$$\begin{array}{r} 20 \\ 2 \overline{) 41} \\ \underline{40} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$41 \div 3 = 13 \text{ remainder } 2$$

$$\begin{array}{r} 13 \\ 3 \overline{) 41} \\ \underline{39} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$41 \div 5 = 8 \text{ remainder } 1$$

$$\begin{array}{r} 8 \\ 5 \overline{) 41} \\ \underline{40} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>14</sub> 43**

$$43 \div 2 = 21 \text{ remainder } 1$$

$$\begin{array}{r} 21 \\ 2 \overline{) 43} \\ \underline{42} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$43 \div 3 = 14 \text{ remainder } 1$$

$$\begin{array}{r} 14 \\ 3 \overline{) 43} \\ \underline{42} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$43 \div 5 = 8 \text{ remainder } 3$$

$$\begin{array}{r} 8 \\ 5 \overline{) 43} \\ \underline{40} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>15</sub> 47**

$$47 \div 2 = 23 \text{ remainder } 1$$

$$\begin{array}{r} 23 \\ 2 \overline{) 47} \\ \underline{46} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$47 \div 3 = 15 \text{ remainder } 2$$

$$\begin{array}{r} 15 \\ 3 \overline{) 47} \\ \underline{45} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$47 \div 5 = 9 \text{ remainder } 2$$

$$\begin{array}{r} 9 \\ 5 \overline{) 47} \\ \underline{45} \\ 2 \end{array} \leftarrow \text{remainder}$$



## **P<sub>16</sub> 53**

$$53 \div 2 = 26 \text{ remainder } 1$$

$$\begin{array}{r} 26 \\ 2 \overline{) 53} \\ \underline{52} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$53 \div 3 = 17 \text{ remainder } 2$$

$$\begin{array}{r} 17 \\ 3 \overline{) 53} \\ \underline{51} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$53 \div 5 = 10 \text{ remainder } 3$$

$$\begin{array}{r} 10 \\ 5 \overline{) 53} \\ \underline{50} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$53 \div 7 = 7 \text{ remainder } 4$$

$$\begin{array}{r} 7 \\ 7 \overline{) 53} \\ \underline{49} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>17</sub> 59**

$$59 \div 2 = 29 \text{ remainder } 1$$

$$\begin{array}{r} 29 \\ 2 \overline{) 59} \\ \underline{58} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$59 \div 3 = 19 \text{ remainder } 2$$

$$\begin{array}{r} 19 \\ 3 \overline{) 59} \\ \underline{57} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$59 \div 5 = 11 \text{ remainder } 4$$

$$\begin{array}{r} 11 \\ 5 \overline{) 59} \\ \underline{55} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$59 \div 7 = 8 \text{ remainder } 3$$

$$\begin{array}{r} 8 \\ 7 \overline{) 59} \\ \underline{56} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>18</sub> 61**

$$61 \div 2 = 30 \text{ remainder } 1$$

$$\begin{array}{r} 30 \\ 2 \overline{) 61} \\ \underline{60} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$61 \div 3 = 20 \text{ remainder } 1$$

$$\begin{array}{r} 20 \\ 3 \overline{) 61} \\ \underline{60} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$61 \div 5 = 12 \text{ remainder } 1$$

$$\begin{array}{r} 12 \\ 5 \overline{) 61} \\ \underline{60} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$61 \div 7 = 8 \text{ remainder } 5$$

$$\begin{array}{r} 8 \\ 7 \overline{) 61} \\ \underline{56} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>19</sub> 67**

$$67 \div 2 = 33 \text{ remainder } 1$$

$$\begin{array}{r} 33 \\ 2 \overline{) 67} \\ \underline{66} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$67 \div 3 = 22 \text{ remainder } 1$$

$$\begin{array}{r} 22 \\ 3 \overline{) 67} \\ \underline{66} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$67 \div 5 = 13 \text{ remainder } 2$$

$$\begin{array}{r} 13 \\ 5 \overline{) 67} \\ \underline{65} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$67 \div 7 = 9 \text{ remainder } 4$$

$$\begin{array}{r} 9 \\ 7 \overline{) 67} \\ \underline{63} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>20</sub> 71**

$$71 \div 2 = 35 \text{ remainder } 1$$

$$\begin{array}{r} 35 \\ 2 \overline{) 71} \\ \underline{70} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$71 \div 3 = 23 \text{ remainder } 2$$

$$\begin{array}{r} 23 \\ 3 \overline{) 71} \\ \underline{69} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$71 \div 5 = 14 \text{ remainder } 1$$

$$\begin{array}{r} 14 \\ 5 \overline{) 71} \\ \underline{70} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$71 \div 7 = 10 \text{ remainder } 1$$

$$\begin{array}{r} 10 \\ 7 \overline{) 71} \\ \underline{70} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>21</sub> 73**

$$73 \div 2 = 36 \text{ remainder } 1$$

$$\begin{array}{r} 36 \\ 2 \overline{) 73} \\ \underline{72} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$73 \div 3 = 24 \text{ remainder } 1$$

$$\begin{array}{r} 24 \\ 3 \overline{) 73} \\ \underline{72} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$73 \div 5 = 14 \text{ remainder } 3$$

$$\begin{array}{r} 14 \\ 5 \overline{) 73} \\ \underline{70} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$73 \div 7 = 10 \text{ remainder } 3$$

$$\begin{array}{r} 10 \\ 7 \overline{) 73} \\ \underline{70} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>22</sub> 79**

$$79 \div 2 = 39 \text{ remainder } 1$$

$$\begin{array}{r} 39 \\ 2 \overline{) 79} \\ \underline{78} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$79 \div 3 = 26 \text{ remainder } 1$$

$$\begin{array}{r} 26 \\ 3 \overline{) 79} \\ \underline{78} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$79 \div 5 = 15 \text{ remainder } 4$$

$$\begin{array}{r} 15 \\ 5 \overline{) 79} \\ \underline{75} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$79 \div 7 = 11 \text{ remainder } 2$$

$$\begin{array}{r} 11 \\ 7 \overline{) 79} \\ \underline{77} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>23</sub> 83**

$$83 \div 2 = 41 \text{ remainder } 1$$

$$\begin{array}{r} 41 \\ 2 \overline{) 83} \\ \underline{82} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$83 \div 3 = 27 \text{ remainder } 2$$

$$\begin{array}{r} 27 \\ 3 \overline{) 83} \\ \underline{81} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$83 \div 5 = 16 \text{ remainder } 3$$

$$\begin{array}{r} 16 \\ 5 \overline{) 83} \\ \underline{80} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$83 \div 7 = 11 \text{ remainder } 6$$

$$\begin{array}{r} 11 \\ 7 \overline{) 83} \\ \underline{77} \\ 6 \end{array} \leftarrow \text{remainder}$$



## **P<sub>24</sub> 89**

$$89 \div 2 = 44 \text{ remainder } 1$$

$$\begin{array}{r} 44 \\ 2 \overline{) 89} \\ \underline{88} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$89 \div 3 = 29 \text{ remainder } 2$$

$$\begin{array}{r} 29 \\ 3 \overline{) 89} \\ \underline{87} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$89 \div 5 = 17 \text{ remainder } 4$$

$$\begin{array}{r} 17 \\ 5 \overline{) 89} \\ \underline{85} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$89 \div 7 = 12 \text{ remainder } 5$$

$$\begin{array}{r} 12 \\ 7 \overline{) 89} \\ \underline{84} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>25</sub> 97**

$$97 \div 2 = 48 \text{ remainder } 1$$

$$\begin{array}{r} 48 \\ 2 \overline{) 97} \\ \underline{96} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$97 \div 3 = 32 \text{ remainder } 1$$

$$\begin{array}{r} 32 \\ 3 \overline{) 97} \\ \underline{96} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$97 \div 5 = 19 \text{ remainder } 2$$

$$\begin{array}{r} 19 \\ 5 \overline{) 97} \\ \underline{95} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$97 \div 7 = 13 \text{ remainder } 6$$

$$\begin{array}{r} 13 \\ 7 \overline{) 97} \\ \underline{91} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>26</sub> 101**

$$101 \div 2 = 50 \text{ remainder } 1$$

$$\begin{array}{r} 50 \\ 2 \overline{) 101} \\ \underline{100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$101 \div 3 = 33 \text{ remainder } 2$$

$$\begin{array}{r} 33 \\ 3 \overline{) 101} \\ \underline{99} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$101 \div 5 = 20 \text{ remainder } 1$$

$$\begin{array}{r} 20 \\ 5 \overline{) 101} \\ \underline{100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$101 \div 7 = 14 \text{ remainder } 3$$

$$\begin{array}{r} 14 \\ 7 \overline{) 101} \\ \underline{98} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>27</sub> 103**

$$103 \div 2 = 51 \text{ remainder } 1$$

$$\begin{array}{r} 51 \\ 2 \overline{) 103} \\ \underline{102} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$103 \div 3 = 34 \text{ remainder } 1$$

$$\begin{array}{r} 34 \\ 3 \overline{) 103} \\ \underline{102} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$103 \div 5 = 20 \text{ remainder } 3$$

$$\begin{array}{r} 20 \\ 5 \overline{) 103} \\ \underline{100} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$103 \div 7 = 14 \text{ remainder } 5$$

$$\begin{array}{r} 14 \\ 7 \overline{) 103} \\ \underline{98} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>28</sub> 107**

$$107 \div 2 = 53 \text{ remainder } 1$$

$$\begin{array}{r} 53 \\ 2 \overline{) 107} \\ \underline{106} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$107 \div 3 = 35 \text{ remainder } 2$$

$$\begin{array}{r} 35 \\ 3 \overline{) 107} \\ \underline{105} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$107 \div 5 = 21 \text{ remainder } 2$$

$$\begin{array}{r} 21 \\ 5 \overline{) 107} \\ \underline{105} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$107 \div 7 = 15 \text{ remainder } 2$$

$$\begin{array}{r} 15 \\ 7 \overline{) 107} \\ \underline{105} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>29</sub> 109**

$$109 \div 2 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 2 \overline{) 109} \\ \underline{108} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$109 \div 3 = 36 \text{ remainder } 1$$

$$\begin{array}{r} 36 \\ 3 \overline{) 109} \\ \underline{108} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$109 \div 5 = 21 \text{ remainder } 4$$

$$\begin{array}{r} 21 \\ 5 \overline{) 109} \\ \underline{105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$109 \div 7 = 15 \text{ remainder } 4$$

$$\begin{array}{r} 15 \\ 7 \overline{) 109} \\ \underline{105} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>30</sub> 113**

$$113 \div 2 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 2 \overline{) 113} \\ \underline{112} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$113 \div 3 = 37 \text{ remainder } 2$$

$$\begin{array}{r} 37 \\ 3 \overline{) 113} \\ \underline{111} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$113 \div 5 = 22 \text{ remainder } 3$$

$$\begin{array}{r} 22 \\ 5 \overline{) 113} \\ \underline{110} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$113 \div 7 = 16 \text{ remainder } 1$$

$$\begin{array}{r} 16 \\ 7 \overline{) 113} \\ \underline{112} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>31</sub> 127**

$$127 \div 2 = 63 \text{ remainder } 1$$

$$\begin{array}{r} 63 \\ 2 \overline{) 127} \\ \underline{126} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$127 \div 3 = 42 \text{ remainder } 1$$

$$\begin{array}{r} 42 \\ 3 \overline{) 127} \\ \underline{126} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$127 \div 5 = 25 \text{ remainder } 2$$

$$\begin{array}{r} 25 \\ 5 \overline{) 127} \\ \underline{125} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$127 \div 7 = 18 \text{ remainder } 1$$

$$\begin{array}{r} 18 \\ 7 \overline{) 127} \\ \underline{126} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$127 \div 11 = 11 \text{ remainder } 6$$

$$\begin{array}{r} 11 \\ 11 \overline{) 127} \\ \underline{121} \\ 6 \end{array} \leftarrow \text{remainder}$$



## **P<sub>32</sub> 131**

$$131 \div 2 = 65 \text{ remainder } 1$$

$$\begin{array}{r} 65 \\ 2 \overline{) 131} \\ \underline{130} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$131 \div 3 = 43 \text{ remainder } 2$$

$$\begin{array}{r} 43 \\ 3 \overline{) 131} \\ \underline{129} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$131 \div 5 = 26 \text{ remainder } 1$$

$$\begin{array}{r} 26 \\ 5 \overline{) 131} \\ \underline{130} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$131 \div 7 = 18 \text{ remainder } 5$$

$$\begin{array}{r} 18 \\ 7 \overline{) 131} \\ \underline{126} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$131 \div 11 = 11 \text{ remainder } 10$$

$$\begin{array}{r} 11 \\ 11 \overline{) 131} \\ \underline{121} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>33</sub> 137**

$$137 \div 2 = 68 \text{ remainder } 1$$

$$\begin{array}{r} 68 \\ 2 \overline{) 137} \\ \underline{136} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$137 \div 3 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 3 \overline{) 137} \\ \underline{135} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$137 \div 5 = 27 \text{ remainder } 2$$

$$\begin{array}{r} 27 \\ 5 \overline{) 137} \\ \underline{135} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$137 \div 7 = 19 \text{ remainder } 4$$

$$\begin{array}{r} 19 \\ 7 \overline{) 137} \\ \underline{133} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$137 \div 11 = 12 \text{ remainder } 5$$

$$\begin{array}{r} 12 \\ 11 \overline{) 137} \\ \underline{132} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>34</sub> 139**

$$139 \div 2 = 69 \text{ remainder } 1$$

$$\begin{array}{r} 69 \\ 2 \overline{) 139} \\ \underline{138} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$139 \div 3 = 46 \text{ remainder } 1$$

$$\begin{array}{r} 46 \\ 3 \overline{) 139} \\ \underline{138} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$139 \div 5 = 27 \text{ remainder } 4$$

$$\begin{array}{r} 27 \\ 5 \overline{) 139} \\ \underline{135} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$139 \div 7 = 19 \text{ remainder } 6$$

$$\begin{array}{r} 19 \\ 7 \overline{) 139} \\ \underline{133} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$139 \div 11 = 12 \text{ remainder } 7$$

$$\begin{array}{r} 12 \\ 11 \overline{) 139} \\ \underline{132} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>35</sub> 149**

$$149 \div 2 = 74 \text{ remainder } 1$$

$$\begin{array}{r} 74 \\ 2 \overline{) 149} \\ \underline{148} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$149 \div 3 = 49 \text{ remainder } 2$$

$$\begin{array}{r} 49 \\ 3 \overline{) 149} \\ \underline{147} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$149 \div 5 = 29 \text{ remainder } 4$$

$$\begin{array}{r} 29 \\ 5 \overline{) 149} \\ \underline{145} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$149 \div 7 = 21 \text{ remainder } 2$$

$$\begin{array}{r} 21 \\ 7 \overline{) 149} \\ \underline{147} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$149 \div 11 = 13 \text{ remainder } 6$$

$$\begin{array}{r} 13 \\ 11 \overline{) 149} \\ \underline{143} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>36</sub> 151**

$$151 \div 2 = 75 \text{ remainder } 1$$

$$\begin{array}{r} 75 \\ 2 \overline{) 151} \\ \underline{150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$151 \div 3 = 50 \text{ remainder } 1$$

$$\begin{array}{r} 50 \\ 3 \overline{) 151} \\ \underline{150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$151 \div 5 = 30 \text{ remainder } 1$$

$$\begin{array}{r} 30 \\ 5 \overline{) 151} \\ \underline{150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$151 \div 7 = 21 \text{ remainder } 4$$

$$\begin{array}{r} 21 \\ 7 \overline{) 151} \\ \underline{147} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$151 \div 11 = 13 \text{ remainder } 8$$

$$\begin{array}{r} 13 \\ 11 \overline{) 151} \\ \underline{143} \\ 8 \end{array} \leftarrow \text{remainder}$$

## **P<sub>37</sub> 157**

$$157 \div 2 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 2 \overline{) 157} \\ \underline{156} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$157 \div 3 = 52 \text{ remainder } 1$$

$$\begin{array}{r} 52 \\ 3 \overline{) 157} \\ \underline{156} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$157 \div 5 = 31 \text{ remainder } 2$$

$$\begin{array}{r} 31 \\ 5 \overline{) 157} \\ \underline{155} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$157 \div 7 = 22 \text{ remainder } 3$$

$$\begin{array}{r} 22 \\ 7 \overline{) 157} \\ \underline{154} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$157 \div 11 = 14 \text{ remainder } 3$$

$$\begin{array}{r} 14 \\ 11 \overline{) 157} \\ \underline{154} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>38</sub> 163**

$$163 \div 2 = 81 \text{ remainder } 1$$

$$\begin{array}{r} 81 \\ 2 \overline{) 163} \\ \underline{162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$163 \div 3 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 3 \overline{) 163} \\ \underline{162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$163 \div 5 = 32 \text{ remainder } 3$$

$$\begin{array}{r} 32 \\ 5 \overline{) 163} \\ \underline{160} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$163 \div 7 = 23 \text{ remainder } 2$$

$$\begin{array}{r} 23 \\ 7 \overline{) 163} \\ \underline{161} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$163 \div 11 = 14 \text{ remainder } 9$$

$$\begin{array}{r} 14 \\ 11 \overline{) 163} \\ \underline{154} \\ 9 \end{array} \leftarrow \text{remainder}$$

## **P<sub>39</sub> 167**

$$167 \div 2 = 83 \text{ remainder } 1$$

$$\begin{array}{r} 83 \\ 2 \overline{) 167} \\ \underline{166} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$167 \div 3 = 55 \text{ remainder } 2$$

$$\begin{array}{r} 55 \\ 3 \overline{) 167} \\ \underline{165} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$167 \div 5 = 33 \text{ remainder } 2$$

$$\begin{array}{r} 33 \\ 5 \overline{) 167} \\ \underline{165} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$167 \div 7 = 23 \text{ remainder } 6$$

$$\begin{array}{r} 23 \\ 7 \overline{) 167} \\ \underline{161} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$167 \div 11 = 15 \text{ remainder } 2$$

$$\begin{array}{r} 15 \\ 11 \overline{) 167} \\ \underline{165} \\ 2 \end{array} \leftarrow \text{remainder}$$



## **P<sub>40</sub> 173**

$$173 \div 2 = 86 \text{ remainder } 1$$

$$\begin{array}{r} 86 \\ 2 \overline{) 173} \\ \underline{172} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$173 \div 3 = 57 \text{ remainder } 2$$

$$\begin{array}{r} 57 \\ 3 \overline{) 173} \\ \underline{171} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$173 \div 5 = 34 \text{ remainder } 3$$

$$\begin{array}{r} 34 \\ 5 \overline{) 173} \\ \underline{170} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$173 \div 7 = 24 \text{ remainder } 5$$

$$\begin{array}{r} 24 \\ 7 \overline{) 173} \\ \underline{168} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$173 \div 11 = 15 \text{ remainder } 8$$

$$\begin{array}{r} 15 \\ 11 \overline{) 173} \\ \underline{165} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$173 \div 13 = 13 \text{ remainder } 4$$

$$\begin{array}{r} 13 \\ 13 \overline{) 173} \\ \underline{169} \\ 4 \end{array}$$

4 ← remainder

## **P<sub>41</sub> 179**

$$179 \div 2 = 89 \text{ remainder } 1$$

$$\begin{array}{r} 89 \\ 2 \overline{) 179} \\ \underline{178} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$179 \div 3 = 59 \text{ remainder } 2$$

$$\begin{array}{r} 59 \\ 3 \overline{) 179} \\ \underline{177} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$179 \div 5 = 35 \text{ remainder } 4$$

$$\begin{array}{r} 35 \\ 5 \overline{) 179} \\ \underline{175} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$179 \div 7 = 25 \text{ remainder } 4$$

$$\begin{array}{r} 25 \\ 7 \overline{) 179} \\ \underline{175} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$179 \div 11 = 16 \text{ remainder } 3$$

$$\begin{array}{r} 16 \\ 11 \overline{) 179} \\ \underline{176} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$179 \div 13 = 13 \text{ remainder } 10$$

$$\begin{array}{r} 13 \\ 13 \overline{) 179} \\ \underline{169} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>42</sub> 181**

$$181 \div 2 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 2 \overline{) 181} \\ \underline{180} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$181 \div 3 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 3 \overline{) 181} \\ \underline{180} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$181 \div 5 = 36 \text{ remainder } 1$$

$$\begin{array}{r} 36 \\ 5 \overline{) 181} \\ \underline{180} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$181 \div 7 = 25 \text{ remainder } 6$$

$$\begin{array}{r} 25 \\ 7 \overline{) 181} \\ \underline{175} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$181 \div 11 = 16 \text{ remainder } 5$$

$$\begin{array}{r} 16 \\ 11 \overline{) 181} \\ \underline{176} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$181 \div 13 = 13 \text{ remainder } 12$$

$$\begin{array}{r} 13 \\ 13 \overline{) 181} \\ \underline{169} \phantom{00} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>43</sub> 191**

$$191 \div 2 = 95 \text{ remainder } 1$$

$$\begin{array}{r} 95 \\ 2 \overline{) 191} \\ \underline{190} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$191 \div 3 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 3 \overline{) 191} \\ \underline{189} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$191 \div 5 = 38 \text{ remainder } 1$$

$$\begin{array}{r} 38 \\ 5 \overline{) 191} \\ \underline{190} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$191 \div 7 = 27 \text{ remainder } 2$$

$$\begin{array}{r} 27 \\ 7 \overline{) 191} \\ \underline{189} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$191 \div 11 = 17 \text{ remainder } 4$$

$$\begin{array}{r} 17 \\ 11 \overline{) 191} \\ \underline{187} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$191 \div 13 = 14 \text{ remainder } 9$$

$$\begin{array}{r} 14 \\ 13 \overline{) 191} \\ \underline{182} \phantom{0} \\ 9 \end{array} \leftarrow \text{remainder}$$



## **P<sub>44</sub> 193**

$$193 \div 2 = 96 \text{ remainder } 1$$

$$\begin{array}{r} 96 \\ 2 \overline{) 193} \\ \underline{192} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$193 \div 3 = 64 \text{ remainder } 1$$

$$\begin{array}{r} 64 \\ 3 \overline{) 193} \\ \underline{192} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$193 \div 5 = 38 \text{ remainder } 3$$

$$\begin{array}{r} 38 \\ 5 \overline{) 193} \\ \underline{190} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$193 \div 7 = 27 \text{ remainder } 4$$

$$\begin{array}{r} 27 \\ 7 \overline{) 193} \\ \underline{189} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$193 \div 11 = 17 \text{ remainder } 6$$

$$\begin{array}{r} 17 \\ 11 \overline{) 193} \\ \underline{187} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$193 \div 13 = 14 \text{ remainder } 11$$

$$\begin{array}{r} 14 \\ 13 \overline{) 193} \\ \underline{182} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>45</sub> 197**

$$197 \div 2 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 2 \overline{) 197} \\ \underline{196} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$197 \div 3 = 65 \text{ remainder } 2$$

$$\begin{array}{r} 65 \\ 3 \overline{) 197} \\ \underline{195} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$197 \div 5 = 39 \text{ remainder } 2$$

$$\begin{array}{r} 39 \\ 5 \overline{) 197} \\ \underline{195} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$197 \div 7 = 28 \text{ remainder } 1$$

$$\begin{array}{r} 28 \\ 7 \overline{) 197} \\ \underline{196} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$197 \div 11 = 17 \text{ remainder } 10$$

$$\begin{array}{r} 17 \\ 11 \overline{) 197} \\ \underline{187} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$197 \div 13 = 15 \text{ remainder } 2$$

$$\begin{array}{r} 15 \\ 13 \overline{) 197} \\ \underline{195} \\ 2 \end{array}$$

2 ← remainder

## **P<sub>46</sub> 199**

$$199 \div 2 = 99 \text{ remainder } 1$$

$$\begin{array}{r} 99 \\ 2 \overline{) 199} \\ \underline{198} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$199 \div 3 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 3 \overline{) 199} \\ \underline{198} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$199 \div 5 = 39 \text{ remainder } 4$$

$$\begin{array}{r} 39 \\ 5 \overline{) 199} \\ \underline{195} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$199 \div 7 = 28 \text{ remainder } 3$$

$$\begin{array}{r} 28 \\ 7 \overline{) 199} \\ \underline{196} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$199 \div 11 = 18 \text{ remainder } 1$$

$$\begin{array}{r} 18 \\ 11 \overline{) 199} \\ \underline{198} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$199 \div 13 = 15 \text{ remainder } 4$$

$$\begin{array}{r} 15 \\ 13 \overline{) 199} \\ \underline{195} \\ 4 \end{array}$$

4 ← remainder

## **P<sub>47</sub> 211**

$$211 \div 2 = 105 \text{ remainder } 1$$

$$\begin{array}{r} 105 \\ 2 \overline{) 211} \\ \underline{210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$211 \div 3 = 70 \text{ remainder } 1$$

$$\begin{array}{r} 70 \\ 3 \overline{) 211} \\ \underline{210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$211 \div 5 = 42 \text{ remainder } 1$$

$$\begin{array}{r} 42 \\ 5 \overline{) 211} \\ \underline{210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$211 \div 7 = 30 \text{ remainder } 1$$

$$\begin{array}{r} 30 \\ 7 \overline{) 211} \\ \underline{210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$211 \div 11 = 19 \text{ remainder } 2$$

$$\begin{array}{r} 19 \\ 11 \overline{) 211} \\ \underline{209} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$211 \div 13 = 16 \text{ remainder } 3$$

$$\begin{array}{r} 16 \\ 13 \overline{) 211} \\ \underline{208} \\ 3 \end{array}$$

3 ← remainder



## **P<sub>48</sub> 223**

$$223 \div 2 = 111 \text{ remainder } 1$$

$$\begin{array}{r} 111 \\ 2 \overline{) 223} \\ \underline{222} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$223 \div 3 = 74 \text{ remainder } 1$$

$$\begin{array}{r} 74 \\ 3 \overline{) 223} \\ \underline{222} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$223 \div 5 = 44 \text{ remainder } 3$$

$$\begin{array}{r} 44 \\ 5 \overline{) 223} \\ \underline{220} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$223 \div 7 = 31 \text{ remainder } 6$$

$$\begin{array}{r} 31 \\ 7 \overline{) 223} \\ \underline{217} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$223 \div 11 = 20 \text{ remainder } 3$$

$$\begin{array}{r} 20 \\ 11 \overline{) 223} \\ \underline{220} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$223 \div 13 = 17 \text{ remainder } 2$$

$$\begin{array}{r} 17 \\ 13 \overline{) 223} \\ \underline{221} \phantom{0} \\ 2 \phantom{0} \end{array}$$

2 ← remainder

## **P<sub>49</sub> 227**

$$227 \div 2 = 113 \text{ remainder } 1$$

$$\begin{array}{r} 113 \\ 2 \overline{) 227} \\ \underline{226} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$227 \div 3 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 3 \overline{) 227} \\ \underline{225} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$227 \div 5 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 5 \overline{) 227} \\ \underline{225} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$227 \div 7 = 32 \text{ remainder } 3$$

$$\begin{array}{r} 32 \\ 7 \overline{) 227} \\ \underline{224} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$227 \div 11 = 20 \text{ remainder } 7$$

$$\begin{array}{r} 20 \\ 11 \overline{) 227} \\ \underline{220} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$227 \div 13 = 17 \text{ remainder } 6$$

$$\begin{array}{r} 17 \\ 13 \overline{) 227} \\ \underline{221} \phantom{00} \\ 6 \phantom{00} \end{array}$$

6 ← remainder

## **P<sub>50</sub> 229**

$$229 \div 2 = 114 \text{ remainder } 1$$

$$\begin{array}{r} 114 \\ 2 \overline{) 229} \\ \underline{228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$229 \div 3 = 76 \text{ remainder } 1$$

$$\begin{array}{r} 76 \\ 3 \overline{) 229} \\ \underline{228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$229 \div 5 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 5 \overline{) 229} \\ \underline{225} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$229 \div 7 = 32 \text{ remainder } 5$$

$$\begin{array}{r} 32 \\ 7 \overline{) 229} \\ \underline{224} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$229 \div 11 = 20 \text{ remainder } 9$$

$$\begin{array}{r} 20 \\ 11 \overline{) 229} \\ \underline{220} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$229 \div 13 = 17 \text{ remainder } 8$$

$$\begin{array}{r} 17 \\ 13 \overline{) 229} \\ \underline{221} \phantom{0} \\ 8 \end{array} \leftarrow \text{remainder}$$

## **P<sub>51</sub> 233**

$$233 \div 2 = 116 \text{ remainder } 1$$

$$\begin{array}{r} 116 \\ 2 \overline{) 233} \\ \underline{232} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$233 \div 3 = 77 \text{ remainder } 2$$

$$\begin{array}{r} 77 \\ 3 \overline{) 233} \\ \underline{231} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$233 \div 5 = 46 \text{ remainder } 3$$

$$\begin{array}{r} 46 \\ 5 \overline{) 233} \\ \underline{230} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$233 \div 7 = 33 \text{ remainder } 2$$

$$\begin{array}{r} 33 \\ 7 \overline{) 233} \\ \underline{231} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$233 \div 11 = 21 \text{ remainder } 2$$

$$\begin{array}{r} 21 \\ 11 \overline{) 233} \\ \underline{231} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$233 \div 13 = 17 \text{ remainder } 12$$

$$\begin{array}{r} 17 \\ 13 \overline{) 233} \\ \underline{221} \phantom{00} \\ 12 \end{array} \leftarrow \text{remainder}$$



## **P<sub>52</sub> 239**

$$239 \div 2 = 119 \text{ remainder } 1$$

$$\begin{array}{r} 119 \\ 2 \overline{) 239} \\ \underline{238} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$239 \div 3 = 79 \text{ remainder } 2$$

$$\begin{array}{r} 79 \\ 3 \overline{) 239} \\ \underline{237} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$239 \div 5 = 47 \text{ remainder } 4$$

$$\begin{array}{r} 47 \\ 5 \overline{) 239} \\ \underline{235} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$239 \div 7 = 34 \text{ remainder } 1$$

$$\begin{array}{r} 34 \\ 7 \overline{) 239} \\ \underline{238} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$239 \div 11 = 21 \text{ remainder } 8$$

$$\begin{array}{r} 21 \\ 11 \overline{) 239} \\ \underline{231} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$239 \div 13 = 18 \text{ remainder } 5$$

$$\begin{array}{r} 18 \\ 13 \overline{) 239} \\ \underline{234} \phantom{0} \\ 5 \phantom{0} \end{array}$$

5 ← remainder

## **P<sub>53</sub> 241**

$$241 \div 2 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 2 \overline{) 241} \\ \underline{240} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$241 \div 3 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 3 \overline{) 241} \\ \underline{240} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$241 \div 5 = 48 \text{ remainder } 1$$

$$\begin{array}{r} 48 \\ 5 \overline{) 241} \\ \underline{240} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$241 \div 7 = 34 \text{ remainder } 3$$

$$\begin{array}{r} 34 \\ 7 \overline{) 241} \\ \underline{238} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$241 \div 11 = 21 \text{ remainder } 10$$

$$\begin{array}{r} 21 \\ 11 \overline{) 241} \\ \underline{231} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$241 \div 13 = 18 \text{ remainder } 7$$

$$\begin{array}{r} 18 \\ 13 \overline{) 241} \\ \underline{234} \phantom{0} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>54</sub> 251**

$$251 \div 2 = 125 \text{ remainder } 1$$

$$\begin{array}{r} 125 \\ 2 \overline{) 251} \\ \underline{250} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$251 \div 3 = 83 \text{ remainder } 2$$

$$\begin{array}{r} 83 \\ 3 \overline{) 251} \\ \underline{249} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$251 \div 5 = 50 \text{ remainder } 1$$

$$\begin{array}{r} 50 \\ 5 \overline{) 251} \\ \underline{250} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$251 \div 7 = 35 \text{ remainder } 6$$

$$\begin{array}{r} 35 \\ 7 \overline{) 251} \\ \underline{245} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$251 \div 11 = 22 \text{ remainder } 9$$

$$\begin{array}{r} 22 \\ 11 \overline{) 251} \\ \underline{242} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$251 \div 13 = 19 \text{ remainder } 4$$

$$\begin{array}{r} 19 \\ 13 \overline{) 251} \\ \underline{247} \\ 4 \end{array}$$

4 ← remainder

## **P<sub>55</sub> 257**

$$257 \div 2 = 128 \text{ remainder } 1$$

$$\begin{array}{r} 128 \\ 2 \overline{) 257} \\ \underline{256} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$257 \div 3 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 3 \overline{) 257} \\ \underline{255} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$257 \div 5 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 5 \overline{) 257} \\ \underline{255} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$257 \div 7 = 36 \text{ remainder } 5$$

$$\begin{array}{r} 36 \\ 7 \overline{) 257} \\ \underline{252} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$257 \div 11 = 23 \text{ remainder } 4$$

$$\begin{array}{r} 23 \\ 11 \overline{) 257} \\ \underline{253} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$257 \div 13 = 19 \text{ remainder } 10$$

$$\begin{array}{r} 19 \\ 13 \overline{) 257} \\ \underline{247} \\ 10 \end{array} \leftarrow \text{remainder}$$



## **P<sub>56</sub> 263**

$$263 \div 2 = 131 \text{ remainder } 1$$

$$\begin{array}{r} 131 \\ 2 \overline{) 263} \\ \underline{262} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$263 \div 3 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 3 \overline{) 263} \\ \underline{261} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$263 \div 5 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 5 \overline{) 263} \\ \underline{260} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$263 \div 7 = 37 \text{ remainder } 4$$

$$\begin{array}{r} 37 \\ 7 \overline{) 263} \\ \underline{259} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$263 \div 11 = 23 \text{ remainder } 10$$

$$\begin{array}{r} 23 \\ 11 \overline{) 263} \\ \underline{253} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$263 \div 13 = 20 \text{ remainder } 3$$

$$\begin{array}{r} 20 \\ 13 \overline{) 263} \\ \underline{260} \\ 3 \end{array}$$

3 ← remainder

## **P<sub>57</sub> 269**

$$269 \div 2 = 134 \text{ remainder } 1$$

$$\begin{array}{r} 134 \\ 2 \overline{) 269} \\ \underline{268} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$269 \div 3 = 89 \text{ remainder } 2$$

$$\begin{array}{r} 89 \\ 3 \overline{) 269} \\ \underline{267} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$269 \div 5 = 53 \text{ remainder } 4$$

$$\begin{array}{r} 53 \\ 5 \overline{) 269} \\ \underline{265} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$269 \div 7 = 38 \text{ remainder } 3$$

$$\begin{array}{r} 38 \\ 7 \overline{) 269} \\ \underline{266} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$269 \div 11 = 24 \text{ remainder } 5$$

$$\begin{array}{r} 24 \\ 11 \overline{) 269} \\ \underline{264} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$269 \div 13 = 20 \text{ remainder } 9$$

$$\begin{array}{r} 20 \\ 13 \overline{) 269} \\ \underline{260} \\ 9 \end{array}$$

9 ← remainder

## **P<sub>58</sub> 271**

$$271 \div 2 = 135 \text{ remainder } 1$$

$$\begin{array}{r} 135 \\ 2 \overline{) 271} \\ \underline{270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$271 \div 3 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 3 \overline{) 271} \\ \underline{270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$271 \div 5 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 5 \overline{) 271} \\ \underline{270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$271 \div 7 = 38 \text{ remainder } 5$$

$$\begin{array}{r} 38 \\ 7 \overline{) 271} \\ \underline{266} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$271 \div 11 = 24 \text{ remainder } 7$$

$$\begin{array}{r} 24 \\ 11 \overline{) 271} \\ \underline{264} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$271 \div 13 = 20 \text{ remainder } 11$$

$$\begin{array}{r} 20 \\ 13 \overline{) 271} \\ \underline{260} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>59</sub> 277**

$$277 \div 2 = 138 \text{ remainder } 1$$

$$\begin{array}{r} 138 \\ 2 \overline{) 277} \\ \underline{276} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$277 \div 3 = 92 \text{ remainder } 1$$

$$\begin{array}{r} 92 \\ 3 \overline{) 277} \\ \underline{276} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$277 \div 5 = 55 \text{ remainder } 2$$

$$\begin{array}{r} 55 \\ 5 \overline{) 277} \\ \underline{275} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$277 \div 7 = 39 \text{ remainder } 4$$

$$\begin{array}{r} 39 \\ 7 \overline{) 277} \\ \underline{273} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$277 \div 11 = 25 \text{ remainder } 2$$

$$\begin{array}{r} 25 \\ 11 \overline{) 277} \\ \underline{275} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$277 \div 13 = 21 \text{ remainder } 4$$

$$\begin{array}{r} 21 \\ 13 \overline{) 277} \\ \underline{273} \\ 4 \end{array}$$

4 ← remainder



## **P<sub>60</sub> 281**

$$281 \div 2 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 2 \overline{) 281} \\ \underline{280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$281 \div 3 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 3 \overline{) 281} \\ \underline{279} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$281 \div 5 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 5 \overline{) 281} \\ \underline{280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$281 \div 7 = 40 \text{ remainder } 1$$

$$\begin{array}{r} 40 \\ 7 \overline{) 281} \\ \underline{280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$281 \div 11 = 25 \text{ remainder } 6$$

$$\begin{array}{r} 25 \\ 11 \overline{) 281} \\ \underline{275} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$281 \div 13 = 21 \text{ remainder } 8$$

$$\begin{array}{r} 21 \\ 13 \overline{) 281} \\ \underline{273} \phantom{00} \\ 8 \phantom{00} \end{array} \quad \begin{array}{l} \phantom{00} \\ \phantom{00} \\ \phantom{00} \\ \leftarrow \text{remainder} \end{array}$$

## **P<sub>61</sub> 283**

$$283 \div 2 = 141 \text{ remainder } 1$$

$$\begin{array}{r} 141 \\ 2 \overline{) 283} \\ \underline{282} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$283 \div 3 = 94 \text{ remainder } 1$$

$$\begin{array}{r} 94 \\ 3 \overline{) 283} \\ \underline{282} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$283 \div 5 = 56 \text{ remainder } 3$$

$$\begin{array}{r} 56 \\ 5 \overline{) 283} \\ \underline{280} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$283 \div 7 = 40 \text{ remainder } 3$$

$$\begin{array}{r} 40 \\ 7 \overline{) 283} \\ \underline{280} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$283 \div 11 = 25 \text{ remainder } 8$$

$$\begin{array}{r} 25 \\ 11 \overline{) 283} \\ \underline{275} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$283 \div 13 = 21 \text{ remainder } 10$$

$$\begin{array}{r} 21 \\ 13 \overline{) 283} \\ \underline{273} \phantom{0} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>62</sub> 293**

$$293 \div 2 = 146 \text{ remainder } 1$$

$$\begin{array}{r} 146 \\ 2 \overline{) 293} \\ \underline{292} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$293 \div 3 = 97 \text{ remainder } 2$$

$$\begin{array}{r} 97 \\ 3 \overline{) 293} \\ \underline{291} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$293 \div 5 = 58 \text{ remainder } 3$$

$$\begin{array}{r} 58 \\ 5 \overline{) 293} \\ \underline{290} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$293 \div 7 = 41 \text{ remainder } 6$$

$$\begin{array}{r} 41 \\ 7 \overline{) 293} \\ \underline{287} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$293 \div 11 = 26 \text{ remainder } 7$$

$$\begin{array}{r} 26 \\ 11 \overline{) 293} \\ \underline{286} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$293 \div 13 = 22 \text{ remainder } 7$$

$$\begin{array}{r} 22 \\ 13 \overline{) 293} \\ \underline{286} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$293 \div 17 = 17 \text{ remainder } 4$$

$$\begin{array}{r} 17 \\ 17 \overline{) 293} \\ \underline{289} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>63</sub> 307**

$$307 \div 2 = 153 \text{ remainder } 1$$

$$\begin{array}{r} 153 \\ 2 \overline{) 307} \\ \underline{306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$307 \div 3 = 102 \text{ remainder } 1$$

$$\begin{array}{r} 102 \\ 3 \overline{) 307} \\ \underline{306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$307 \div 5 = 61 \text{ remainder } 2$$

$$\begin{array}{r} 61 \\ 5 \overline{) 307} \\ \underline{305} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$307 \div 7 = 43 \text{ remainder } 6$$

$$\begin{array}{r} 43 \\ 7 \overline{) 307} \\ \underline{301} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$307 \div 11 = 27 \text{ remainder } 10$$

$$\begin{array}{r} 27 \\ 11 \overline{) 307} \\ \underline{297} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$307 \div 13 = 23 \text{ remainder } 8$$

$$\begin{array}{r} 23 \\ 13 \overline{) 307} \\ \underline{299} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$307 \div 17 = 18 \text{ remainder } 1$$

$$\begin{array}{r} 18 \\ 17 \overline{) 307} \\ \underline{306} \\ 1 \end{array} \leftarrow \text{remainder}$$



## **P<sub>64</sub> 311**

$$311 \div 2 = 155 \text{ remainder } 1$$

$$\begin{array}{r} 155 \\ 2 \overline{) 311} \\ \underline{310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$311 \div 3 = 103 \text{ remainder } 2$$

$$\begin{array}{r} 103 \\ 3 \overline{) 311} \\ \underline{309} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$311 \div 5 = 62 \text{ remainder } 1$$

$$\begin{array}{r} 62 \\ 5 \overline{) 311} \\ \underline{310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$311 \div 7 = 44 \text{ remainder } 3$$

$$\begin{array}{r} 44 \\ 7 \overline{) 311} \\ \underline{308} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$311 \div 11 = 28 \text{ remainder } 3$$

$$\begin{array}{r} 28 \\ 11 \overline{) 311} \\ \underline{308} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$311 \div 13 = 23 \text{ remainder } 12$$

$$\begin{array}{r} 23 \\ 13 \overline{) 311} \\ \underline{299} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$311 \div 17 = 18 \text{ remainder } 5$$

$$\begin{array}{r} 18 \\ 17 \overline{) 311} \\ \underline{306} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>65</sub> 313**

$$313 \div 2 = 156 \text{ remainder } 1$$

$$\begin{array}{r} 156 \\ 2 \overline{) 313} \\ \underline{312} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$313 \div 3 = 104 \text{ remainder } 1$$

$$\begin{array}{r} 104 \\ 3 \overline{) 313} \\ \underline{312} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$313 \div 5 = 62 \text{ remainder } 3$$

$$\begin{array}{r} 62 \\ 5 \overline{) 313} \\ \underline{310} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$313 \div 7 = 44 \text{ remainder } 5$$

$$\begin{array}{r} 44 \\ 7 \overline{) 313} \\ \underline{308} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$313 \div 11 = 28 \text{ remainder } 5$$

$$\begin{array}{r} 28 \\ 11 \overline{) 313} \\ \underline{308} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$313 \div 13 = 24 \text{ remainder } 1$$

$$\begin{array}{r} 24 \\ 13 \overline{) 313} \\ \underline{312} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$313 \div 17 = 18 \text{ remainder } 7$$

$$\begin{array}{r} 18 \\ 17 \overline{) 313} \\ \underline{306} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>66</sub> 317**

$$317 \div 2 = 158 \text{ remainder } 1$$

$$\begin{array}{r} 158 \\ 2 \overline{) 317} \\ \underline{316} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$317 \div 3 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 3 \overline{) 317} \\ \underline{315} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$317 \div 5 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 5 \overline{) 317} \\ \underline{315} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$317 \div 7 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 7 \overline{) 317} \\ \underline{315} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$317 \div 11 = 28 \text{ remainder } 9$$

$$\begin{array}{r} 28 \\ 11 \overline{) 317} \\ \underline{308} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$317 \div 13 = 24 \text{ remainder } 5$$

$$\begin{array}{r} 24 \\ 13 \overline{) 317} \\ \underline{312} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$317 \div 17 = 18 \text{ remainder } 11$$

$$\begin{array}{r} 18 \\ 17 \overline{) 317} \\ \underline{306} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>67</sub> 331**

$$331 \div 2 = 165 \text{ remainder } 1$$

$$\begin{array}{r} 165 \\ 2 \overline{) 331} \\ \underline{330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$331 \div 3 = 110 \text{ remainder } 1$$

$$\begin{array}{r} 110 \\ 3 \overline{) 331} \\ \underline{330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$331 \div 5 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 5 \overline{) 331} \\ \underline{330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$331 \div 7 = 47 \text{ remainder } 2$$

$$\begin{array}{r} 47 \\ 7 \overline{) 331} \\ \underline{329} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$331 \div 11 = 30 \text{ remainder } 1$$

$$\begin{array}{r} 30 \\ 11 \overline{) 331} \\ \underline{330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$331 \div 13 = 25 \text{ remainder } 6$$

$$\begin{array}{r} 25 \\ 13 \overline{) 331} \\ \underline{325} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$331 \div 17 = 19 \text{ remainder } 8$$

$$\begin{array}{r} 19 \\ 17 \overline{) 331} \\ \underline{323} \\ 8 \end{array} \leftarrow \text{remainder}$$



## **P<sub>68</sub> 337**

$$337 \div 2 = 168 \text{ remainder } 1$$

$$\begin{array}{r} 168 \\ 2 \overline{) 337} \\ \underline{336} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$337 \div 3 = 112 \text{ remainder } 1$$

$$\begin{array}{r} 112 \\ 3 \overline{) 337} \\ \underline{336} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$337 \div 5 = 67 \text{ remainder } 2$$

$$\begin{array}{r} 67 \\ 5 \overline{) 337} \\ \underline{335} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$337 \div 7 = 48 \text{ remainder } 1$$

$$\begin{array}{r} 48 \\ 7 \overline{) 337} \\ \underline{336} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$337 \div 11 = 30 \text{ remainder } 7$$

$$\begin{array}{r} 30 \\ 11 \overline{) 337} \\ \underline{330} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$337 \div 13 = 25 \text{ remainder } 12$$

$$\begin{array}{r} 25 \\ 13 \overline{) 337} \\ \underline{325} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$337 \div 17 = 19 \text{ remainder } 14$$

$$\begin{array}{r} 19 \\ 17 \overline{) 337} \\ \underline{323} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>69</sub> 347**

$$347 \div 2 = 173 \text{ remainder } 1$$

$$\begin{array}{r} 173 \\ 2 \overline{) 347} \\ \underline{346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$347 \div 3 = 115 \text{ remainder } 2$$

$$\begin{array}{r} 115 \\ 3 \overline{) 347} \\ \underline{345} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$347 \div 5 = 69 \text{ remainder } 2$$

$$\begin{array}{r} 69 \\ 5 \overline{) 347} \\ \underline{345} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$347 \div 7 = 49 \text{ remainder } 4$$

$$\begin{array}{r} 49 \\ 7 \overline{) 347} \\ \underline{343} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$347 \div 11 = 31 \text{ remainder } 6$$

$$\begin{array}{r} 31 \\ 11 \overline{) 347} \\ \underline{341} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$347 \div 13 = 26 \text{ remainder } 9$$

$$\begin{array}{r} 26 \\ 13 \overline{) 347} \\ \underline{338} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$347 \div 17 = 20 \text{ remainder } 7$$

$$\begin{array}{r} 20 \\ 17 \overline{) 347} \\ \underline{340} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>70</sub> 349**

$$349 \div 2 = 174 \text{ remainder } 1$$

$$\begin{array}{r} 174 \\ 2 \overline{) 349} \\ \underline{348} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$349 \div 3 = 116 \text{ remainder } 1$$

$$\begin{array}{r} 116 \\ 3 \overline{) 349} \\ \underline{348} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$349 \div 5 = 69 \text{ remainder } 4$$

$$\begin{array}{r} 69 \\ 5 \overline{) 349} \\ \underline{345} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$349 \div 7 = 49 \text{ remainder } 6$$

$$\begin{array}{r} 49 \\ 7 \overline{) 349} \\ \underline{343} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$349 \div 11 = 31 \text{ remainder } 8$$

$$\begin{array}{r} 31 \\ 11 \overline{) 349} \\ \underline{341} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$349 \div 13 = 26 \text{ remainder } 11$$

$$\begin{array}{r} 26 \\ 13 \overline{) 349} \\ \underline{338} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$349 \div 17 = 20 \text{ remainder } 9$$

$$\begin{array}{r} 20 \\ 17 \overline{) 349} \\ \underline{340} \\ 9 \end{array} \leftarrow \text{remainder}$$

## **P<sub>71</sub> 353**

$$353 \div 2 = 176 \text{ remainder } 1$$

$$\begin{array}{r} 176 \\ 2 \overline{) 353} \\ \underline{352} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$353 \div 3 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 3 \overline{) 353} \\ \underline{351} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$353 \div 5 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 5 \overline{) 353} \\ \underline{350} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$353 \div 7 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 7 \overline{) 353} \\ \underline{350} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$353 \div 11 = 32 \text{ remainder } 1$$

$$\begin{array}{r} 32 \\ 11 \overline{) 353} \\ \underline{352} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$353 \div 13 = 27 \text{ remainder } 2$$

$$\begin{array}{r} 27 \\ 13 \overline{) 353} \\ \underline{351} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$353 \div 17 = 20 \text{ remainder } 13$$

$$\begin{array}{r} 20 \\ 17 \overline{) 353} \\ \underline{340} \\ 13 \end{array} \leftarrow \text{remainder}$$



## **P<sub>72</sub> 359**

$$359 \div 2 = 179 \text{ remainder } 1$$

$$\begin{array}{r} 179 \\ 2 \overline{) 359} \\ \underline{358} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$359 \div 3 = 119 \text{ remainder } 2$$

$$\begin{array}{r} 119 \\ 3 \overline{) 359} \\ \underline{357} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$359 \div 5 = 71 \text{ remainder } 4$$

$$\begin{array}{r} 71 \\ 5 \overline{) 359} \\ \underline{355} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$359 \div 7 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 7 \overline{) 359} \\ \underline{357} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$359 \div 11 = 32 \text{ remainder } 7$$

$$\begin{array}{r} 32 \\ 11 \overline{) 359} \\ \underline{352} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$359 \div 13 = 27 \text{ remainder } 8$$

$$\begin{array}{r} 27 \\ 13 \overline{) 359} \\ \underline{351} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$359 \div 17 = 21 \text{ remainder } 2$$

$$\begin{array}{r} 21 \\ 17 \overline{) 359} \\ \underline{357} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>73</sub> 367**

$$367 \div 2 = 183 \text{ remainder } 1$$

$$\begin{array}{r} 183 \\ 2 \overline{) 367} \\ \underline{366} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$367 \div 3 = 122 \text{ remainder } 1$$

$$\begin{array}{r} 122 \\ 3 \overline{) 367} \\ \underline{366} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$367 \div 5 = 73 \text{ remainder } 2$$

$$\begin{array}{r} 73 \\ 5 \overline{) 367} \\ \underline{365} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$367 \div 7 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 7 \overline{) 367} \\ \underline{364} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$367 \div 11 = 33 \text{ remainder } 4$$

$$\begin{array}{r} 33 \\ 11 \overline{) 367} \\ \underline{363} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$367 \div 13 = 28 \text{ remainder } 3$$

$$\begin{array}{r} 28 \\ 13 \overline{) 367} \\ \underline{364} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$367 \div 17 = 21 \text{ remainder } 10$$

$$\begin{array}{r} 21 \\ 17 \overline{) 367} \\ \underline{357} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$367 \div 19 = 19 \text{ remainder } 6$$

$$\begin{array}{r} 19 \\ 19 \overline{) 367} \\ \underline{361} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>74</sub> 373**

$$373 \div 2 = 186 \text{ remainder } 1$$

$$\begin{array}{r} 186 \\ 2 \overline{) 373} \\ \underline{372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$373 \div 3 = 124 \text{ remainder } 1$$

$$\begin{array}{r} 124 \\ 3 \overline{) 373} \\ \underline{372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$373 \div 5 = 74 \text{ remainder } 3$$

$$\begin{array}{r} 74 \\ 5 \overline{) 373} \\ \underline{370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$373 \div 7 = 53 \text{ remainder } 2$$

$$\begin{array}{r} 53 \\ 7 \overline{) 373} \\ \underline{371} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$373 \div 11 = 33 \text{ remainder } 10$$

$$\begin{array}{r} 33 \\ 11 \overline{) 373} \\ \underline{363} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$373 \div 13 = 28 \text{ remainder } 9$$

$$\begin{array}{r} 28 \\ 13 \overline{) 373} \\ \underline{364} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$373 \div 17 = 21 \text{ remainder } 16$$

$$\begin{array}{r} 21 \\ 17 \overline{) 373} \\ \underline{357} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$373 \div 19 = 19 \text{ remainder } 12$$

$$\begin{array}{r} 19 \\ 19 \overline{) 373} \\ \underline{361} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>75</sub> 379**

$$379 \div 2 = 189 \text{ remainder } 1$$

$$\begin{array}{r} 189 \\ 2 \overline{) 379} \\ \underline{378} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$379 \div 3 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 3 \overline{) 379} \\ \underline{378} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$379 \div 5 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 5 \overline{) 379} \\ \underline{375} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$379 \div 7 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 7 \overline{) 379} \\ \underline{378} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$379 \div 11 = 34 \text{ remainder } 5$$

$$\begin{array}{r} 34 \\ 11 \overline{) 379} \\ \underline{374} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$379 \div 13 = 29 \text{ remainder } 2$$

$$\begin{array}{r} 29 \\ 13 \overline{) 379} \\ \underline{377} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$379 \div 17 = 22 \text{ remainder } 5$$

$$\begin{array}{r} 22 \\ 17 \overline{) 379} \\ \underline{374} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$379 \div 19 = 19 \text{ remainder } 18$$

$$\begin{array}{r} 19 \\ 19 \overline{) 379} \\ \underline{361} \\ 18 \end{array} \leftarrow \text{remainder}$$



## **P<sub>76</sub> 383**

$$383 \div 2 = 191 \text{ remainder } 1$$

$$\begin{array}{r} 191 \\ 2 \overline{) 383} \\ \underline{382} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$383 \div 3 = 127 \text{ remainder } 2$$

$$\begin{array}{r} 127 \\ 3 \overline{) 383} \\ \underline{381} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$383 \div 5 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 5 \overline{) 383} \\ \underline{380} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$383 \div 7 = 54 \text{ remainder } 5$$

$$\begin{array}{r} 54 \\ 7 \overline{) 383} \\ \underline{378} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$383 \div 11 = 34 \text{ remainder } 9$$

$$\begin{array}{r} 34 \\ 11 \overline{) 383} \\ \underline{374} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$383 \div 13 = 29 \text{ remainder } 6$$

$$\begin{array}{r} 29 \\ 13 \overline{) 383} \\ \underline{377} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$383 \div 17 = 22 \text{ remainder } 9$$

$$\begin{array}{r} 22 \\ 17 \overline{) 383} \\ \underline{374} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$383 \div 19 = 20 \text{ remainder } 3$$

$$\begin{array}{r} 20 \\ 19 \overline{) 383} \\ \underline{380} \\ 3 \end{array} \leftarrow \text{remainder}$$

## P<sub>77</sub> 389

$$389 \div 2 = 194 \text{ remainder } 1$$

$$\begin{array}{r} 194 \\ 2 \overline{) 389} \\ \underline{388} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$389 \div 3 = 129 \text{ remainder } 2$$

$$\begin{array}{r} 129 \\ 3 \overline{) 389} \\ \underline{387} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$389 \div 5 = 77 \text{ remainder } 4$$

$$\begin{array}{r} 77 \\ 5 \overline{) 389} \\ \underline{385} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$389 \div 7 = 55 \text{ remainder } 4$$

$$\begin{array}{r} 55 \\ 7 \overline{) 389} \\ \underline{385} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$389 \div 11 = 35 \text{ remainder } 4$$

$$\begin{array}{r} 35 \\ 11 \overline{) 389} \\ \underline{385} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$389 \div 13 = 29 \text{ remainder } 12$$

$$\begin{array}{r} 29 \\ 13 \overline{) 389} \\ \underline{377} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$389 \div 17 = 22 \text{ remainder } 15$$

$$\begin{array}{r} 22 \\ 17 \overline{) 389} \\ \underline{374} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$389 \div 19 = 20 \text{ remainder } 9$$

$$\begin{array}{r} 20 \\ 19 \overline{) 389} \\ \underline{380} \\ 9 \end{array} \leftarrow \text{remainder}$$

## **P<sub>78</sub> 397**

$$397 \div 2 = 198 \text{ remainder } 1$$

$$\begin{array}{r} 198 \\ 2 \overline{) 397} \\ \underline{396} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$397 \div 3 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 3 \overline{) 397} \\ \underline{396} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$397 \div 5 = 79 \text{ remainder } 2$$

$$\begin{array}{r} 79 \\ 5 \overline{) 397} \\ \underline{395} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$397 \div 7 = 56 \text{ remainder } 5$$

$$\begin{array}{r} 56 \\ 7 \overline{) 397} \\ \underline{392} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$397 \div 11 = 36 \text{ remainder } 1$$

$$\begin{array}{r} 36 \\ 11 \overline{) 397} \\ \underline{396} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$397 \div 13 = 30 \text{ remainder } 7$$

$$\begin{array}{r} 30 \\ 13 \overline{) 397} \\ \underline{390} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$397 \div 17 = 23 \text{ remainder } 6$$

$$\begin{array}{r} 23 \\ 17 \overline{) 397} \\ \underline{391} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$397 \div 19 = 20 \text{ remainder } 17$$

$$\begin{array}{r} 20 \\ 19 \overline{) 397} \\ \underline{380} \\ 17 \end{array} \leftarrow \text{remainder}$$

## **P<sub>79</sub> 401**

$$401 \div 2 = 200 \text{ remainder } 1$$

$$\begin{array}{r} 200 \\ 2 \overline{) 401} \\ \underline{400} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$401 \div 3 = 133 \text{ remainder } 2$$

$$\begin{array}{r} 133 \\ 3 \overline{) 401} \\ \underline{399} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$401 \div 5 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 5 \overline{) 401} \\ \underline{400} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$401 \div 7 = 57 \text{ remainder } 2$$

$$\begin{array}{r} 57 \\ 7 \overline{) 401} \\ \underline{399} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$401 \div 11 = 36 \text{ remainder } 5$$

$$\begin{array}{r} 36 \\ 11 \overline{) 401} \\ \underline{396} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$401 \div 13 = 30 \text{ remainder } 11$$

$$\begin{array}{r} 30 \\ 13 \overline{) 401} \\ \underline{390} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$401 \div 17 = 23 \text{ remainder } 10$$

$$\begin{array}{r} 23 \\ 17 \overline{) 401} \\ \underline{391} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$401 \div 19 = 21 \text{ remainder } 2$$

$$\begin{array}{r} 21 \\ 19 \overline{) 401} \\ \underline{399} \\ 2 \end{array} \leftarrow \text{remainder}$$



## **P<sub>80</sub> 409**

$$409 \div 2 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 204 \\ 2 \overline{) 409} \\ \underline{408} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$409 \div 3 = 136 \text{ remainder } 1$$

$$\begin{array}{r} 136 \\ 3 \overline{) 409} \\ \underline{408} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$409 \div 5 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 5 \overline{) 409} \\ \underline{405} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$409 \div 7 = 58 \text{ remainder } 3$$

$$\begin{array}{r} 58 \\ 7 \overline{) 409} \\ \underline{406} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$409 \div 11 = 37 \text{ remainder } 2$$

$$\begin{array}{r} 37 \\ 11 \overline{) 409} \\ \underline{407} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$409 \div 13 = 31 \text{ remainder } 6$$

$$\begin{array}{r} 31 \\ 13 \overline{) 409} \\ \underline{403} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$409 \div 17 = 24 \text{ remainder } 1$$

$$\begin{array}{r} 24 \\ 17 \overline{) 409} \\ \underline{408} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$409 \div 19 = 21 \text{ remainder } 10$$

$$\begin{array}{r} 21 \\ 19 \overline{) 409} \\ \underline{399} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>81</sub> 419**

$$419 \div 2 = 209 \text{ remainder } 1$$

$$\begin{array}{r} 209 \\ 2 \overline{) 419} \\ \underline{418} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$419 \div 3 = 139 \text{ remainder } 2$$

$$\begin{array}{r} 139 \\ 3 \overline{) 419} \\ \underline{417} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$419 \div 5 = 83 \text{ remainder } 4$$

$$\begin{array}{r} 83 \\ 5 \overline{) 419} \\ \underline{415} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$419 \div 7 = 59 \text{ remainder } 6$$

$$\begin{array}{r} 59 \\ 7 \overline{) 419} \\ \underline{413} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$419 \div 11 = 38 \text{ remainder } 1$$

$$\begin{array}{r} 38 \\ 11 \overline{) 419} \\ \underline{418} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$419 \div 13 = 32 \text{ remainder } 3$$

$$\begin{array}{r} 32 \\ 13 \overline{) 419} \\ \underline{416} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$419 \div 17 = 24 \text{ remainder } 11$$

$$\begin{array}{r} 24 \\ 17 \overline{) 419} \\ \underline{408} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$419 \div 19 = 22 \text{ remainder } 1$$

$$\begin{array}{r} 22 \\ 19 \overline{) 419} \\ \underline{418} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>82</sub> 421**

$$421 \div 2 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 2 \overline{) 421} \\ \underline{420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$421 \div 3 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 3 \overline{) 421} \\ \underline{420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$421 \div 5 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 5 \overline{) 421} \\ \underline{420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$421 \div 7 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 7 \overline{) 421} \\ \underline{420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$421 \div 11 = 38 \text{ remainder } 3$$

$$\begin{array}{r} 38 \\ 11 \overline{) 421} \\ \underline{418} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$421 \div 13 = 32 \text{ remainder } 5$$

$$\begin{array}{r} 32 \\ 13 \overline{) 421} \\ \underline{416} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$421 \div 17 = 24 \text{ remainder } 13$$

$$\begin{array}{r} 24 \\ 17 \overline{) 421} \\ \underline{408} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$421 \div 19 = 22 \text{ remainder } 3$$

$$\begin{array}{r} 22 \\ 19 \overline{) 421} \\ \underline{418} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>83</sub> 431**

$$431 \div 2 = 215 \text{ remainder } 1$$

$$\begin{array}{r} 215 \\ 2 \overline{) 431} \\ \underline{430} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$431 \div 3 = 143 \text{ remainder } 2$$

$$\begin{array}{r} 143 \\ 3 \overline{) 431} \\ \underline{429} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$431 \div 5 = 86 \text{ remainder } 1$$

$$\begin{array}{r} 86 \\ 5 \overline{) 431} \\ \underline{430} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$431 \div 7 = 61 \text{ remainder } 4$$

$$\begin{array}{r} 61 \\ 7 \overline{) 431} \\ \underline{427} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$431 \div 11 = 39 \text{ remainder } 2$$

$$\begin{array}{r} 39 \\ 11 \overline{) 431} \\ \underline{429} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$431 \div 13 = 33 \text{ remainder } 2$$

$$\begin{array}{r} 33 \\ 13 \overline{) 431} \\ \underline{429} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$431 \div 17 = 25 \text{ remainder } 6$$

$$\begin{array}{r} 25 \\ 17 \overline{) 431} \\ \underline{425} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$431 \div 19 = 22 \text{ remainder } 13$$

$$\begin{array}{r} 22 \\ 19 \overline{) 431} \\ \underline{418} \\ 13 \end{array} \leftarrow \text{remainder}$$



## **P<sub>84</sub> 433**

$$433 \div 2 = 216 \text{ remainder } 1$$

$$\begin{array}{r} 216 \\ 2 \overline{) 433} \\ \underline{432} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$433 \div 3 = 144 \text{ remainder } 1$$

$$\begin{array}{r} 144 \\ 3 \overline{) 433} \\ \underline{432} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$433 \div 5 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 5 \overline{) 433} \\ \underline{430} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$433 \div 7 = 61 \text{ remainder } 6$$

$$\begin{array}{r} 61 \\ 7 \overline{) 433} \\ \underline{427} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$433 \div 11 = 39 \text{ remainder } 4$$

$$\begin{array}{r} 39 \\ 11 \overline{) 433} \\ \underline{429} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$433 \div 13 = 33 \text{ remainder } 4$$

$$\begin{array}{r} 33 \\ 13 \overline{) 433} \\ \underline{429} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$433 \div 17 = 25 \text{ remainder } 8$$

$$\begin{array}{r} 25 \\ 17 \overline{) 433} \\ \underline{425} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$433 \div 19 = 22 \text{ remainder } 15$$

$$\begin{array}{r} 22 \\ 19 \overline{) 433} \\ \underline{418} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>85</sub> 439**

$$439 \div 2 = 219 \text{ remainder } 1$$

$$\begin{array}{r} 219 \\ 2 \overline{) 439} \\ \underline{438} \phantom{0} \\ 1 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$439 \div 3 = 146 \text{ remainder } 1$$

$$\begin{array}{r} 146 \\ 3 \overline{) 439} \\ \underline{438} \phantom{0} \\ 1 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$439 \div 5 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 87 \\ 5 \overline{) 439} \\ \underline{435} \phantom{0} \\ 4 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$439 \div 7 = 62 \text{ remainder } 5$$

$$\begin{array}{r} 62 \\ 7 \overline{) 439} \\ \underline{434} \phantom{0} \\ 5 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$439 \div 11 = 39 \text{ remainder } 10$$

$$\begin{array}{r} 39 \\ 11 \overline{) 439} \\ \underline{429} \phantom{0} \\ 10 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$439 \div 13 = 33 \text{ remainder } 10$$

$$\begin{array}{r} 33 \\ 13 \overline{) 439} \\ \underline{429} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$439 \div 17 = 25 \text{ remainder } 14$$

$$\begin{array}{r} 25 \\ 17 \overline{) 439} \\ \underline{425} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$439 \div 19 = 23 \text{ remainder } 2$$

$$\begin{array}{r} 23 \\ 19 \overline{) 439} \\ \underline{437} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>86</sub> 443**

$$443 \div 2 = 221 \text{ remainder } 1$$

$$\begin{array}{r} 221 \\ 2 \overline{) 443} \\ \underline{442} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$443 \div 3 = 147 \text{ remainder } 2$$

$$\begin{array}{r} 147 \\ 3 \overline{) 443} \\ \underline{441} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$443 \div 5 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 5 \overline{) 443} \\ \underline{440} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$443 \div 7 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 7 \overline{) 443} \\ \underline{441} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$443 \div 11 = 40 \text{ remainder } 3$$

$$\begin{array}{r} 40 \\ 11 \overline{) 443} \\ \underline{440} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$443 \div 13 = 34 \text{ remainder } 1$$

$$\begin{array}{r} 34 \\ 13 \overline{) 443} \\ \underline{442} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$443 \div 17 = 26 \text{ remainder } 1$$

$$\begin{array}{r} 26 \\ 17 \overline{) 443} \\ \underline{442} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$443 \div 19 = 23 \text{ remainder } 6$$

$$\begin{array}{r} 23 \\ 19 \overline{) 443} \\ \underline{437} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>87</sub> 449**

$$449 \div 2 = 224 \text{ remainder } 1$$

$$\begin{array}{r} 224 \\ 2 \overline{) 449} \\ \underline{448} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$449 \div 3 = 149 \text{ remainder } 2$$

$$\begin{array}{r} 149 \\ 3 \overline{) 449} \\ \underline{447} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$449 \div 5 = 89 \text{ remainder } 4$$

$$\begin{array}{r} 89 \\ 5 \overline{) 449} \\ \underline{445} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$449 \div 7 = 64 \text{ remainder } 1$$

$$\begin{array}{r} 64 \\ 7 \overline{) 449} \\ \underline{448} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$449 \div 11 = 40 \text{ remainder } 9$$

$$\begin{array}{r} 40 \\ 11 \overline{) 449} \\ \underline{440} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$449 \div 13 = 34 \text{ remainder } 7$$

$$\begin{array}{r} 34 \\ 13 \overline{) 449} \\ \underline{442} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$449 \div 17 = 26 \text{ remainder } 7$$

$$\begin{array}{r} 26 \\ 17 \overline{) 449} \\ \underline{442} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$449 \div 19 = 23 \text{ remainder } 12$$

$$\begin{array}{r} 23 \\ 19 \overline{) 449} \\ \underline{437} \\ 12 \end{array} \leftarrow \text{remainder}$$



## P<sub>88</sub> 457

$$457 \div 2 = 228 \text{ remainder } 1$$

$$\begin{array}{r} 228 \\ 2 \overline{) 457} \\ \underline{456} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$457 \div 3 = 152 \text{ remainder } 1$$

$$\begin{array}{r} 152 \\ 3 \overline{) 457} \\ \underline{456} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$457 \div 5 = 91 \text{ remainder } 2$$

$$\begin{array}{r} 91 \\ 5 \overline{) 457} \\ \underline{455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$457 \div 7 = 65 \text{ remainder } 2$$

$$\begin{array}{r} 65 \\ 7 \overline{) 457} \\ \underline{455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$457 \div 11 = 41 \text{ remainder } 6$$

$$\begin{array}{r} 41 \\ 11 \overline{) 457} \\ \underline{451} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$457 \div 13 = 35 \text{ remainder } 2$$

$$\begin{array}{r} 35 \\ 13 \overline{) 457} \\ \underline{455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$457 \div 17 = 26 \text{ remainder } 15$$

$$\begin{array}{r} 26 \\ 17 \overline{) 457} \\ \underline{442} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$457 \div 19 = 24 \text{ remainder } 1$$

$$\begin{array}{r} 24 \\ 19 \overline{) 457} \\ \underline{456} \\ 1 \end{array} \leftarrow \text{remainder}$$

## P<sub>89</sub> 461

$$461 \div 2 = 230 \text{ remainder } 1$$

$$\begin{array}{r} 230 \\ 2 \overline{) 461} \\ \underline{460} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$461 \div 3 = 153 \text{ remainder } 2$$

$$\begin{array}{r} 153 \\ 3 \overline{) 461} \\ \underline{459} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$461 \div 5 = 92 \text{ remainder } 1$$

$$\begin{array}{r} 92 \\ 5 \overline{) 461} \\ \underline{460} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$461 \div 7 = 65 \text{ remainder } 6$$

$$\begin{array}{r} 65 \\ 7 \overline{) 461} \\ \underline{455} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$461 \div 11 = 41 \text{ remainder } 10$$

$$\begin{array}{r} 41 \\ 11 \overline{) 461} \\ \underline{451} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$461 \div 13 = 35 \text{ remainder } 6$$

$$\begin{array}{r} 35 \\ 13 \overline{) 461} \\ \underline{455} \phantom{0} \\ 6 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$461 \div 17 = 27 \text{ remainder } 2$$

$$\begin{array}{r} 27 \\ 17 \overline{) 461} \\ \underline{459} \phantom{0} \\ 2 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$461 \div 19 = 24 \text{ remainder } 5$$

$$\begin{array}{r} 24 \\ 19 \overline{) 461} \\ \underline{456} \phantom{0} \\ 5 \phantom{0} \leftarrow \text{remainder} \end{array}$$

## **P<sub>90</sub> 463**

$$463 \div 2 = 231 \text{ remainder } 1$$

$$\begin{array}{r} 231 \\ 2 \overline{) 463} \\ \underline{462} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$463 \div 3 = 154 \text{ remainder } 1$$

$$\begin{array}{r} 154 \\ 3 \overline{) 463} \\ \underline{462} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$463 \div 5 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 5 \overline{) 463} \\ \underline{460} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$463 \div 7 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 7 \overline{) 463} \\ \underline{462} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$463 \div 11 = 42 \text{ remainder } 1$$

$$\begin{array}{r} 42 \\ 11 \overline{) 463} \\ \underline{462} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$463 \div 13 = 35 \text{ remainder } 8$$

$$\begin{array}{r} 35 \\ 13 \overline{) 463} \\ \underline{455} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$463 \div 17 = 27 \text{ remainder } 4$$

$$\begin{array}{r} 27 \\ 17 \overline{) 463} \\ \underline{459} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$463 \div 19 = 24 \text{ remainder } 7$$

$$\begin{array}{r} 24 \\ 19 \overline{) 463} \\ \underline{456} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>91</sub> 467**

$$467 \div 2 = 233 \text{ remainder } 1$$

$$\begin{array}{r} 233 \\ 2 \overline{) 467} \\ \underline{466} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$467 \div 3 = 155 \text{ remainder } 2$$

$$\begin{array}{r} 155 \\ 3 \overline{) 467} \\ \underline{465} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$467 \div 5 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 5 \overline{) 467} \\ \underline{465} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$467 \div 7 = 66 \text{ remainder } 5$$

$$\begin{array}{r} 66 \\ 7 \overline{) 467} \\ \underline{462} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$467 \div 11 = 42 \text{ remainder } 5$$

$$\begin{array}{r} 42 \\ 11 \overline{) 467} \\ \underline{462} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$467 \div 13 = 35 \text{ remainder } 12$$

$$\begin{array}{r} 35 \\ 13 \overline{) 467} \\ \underline{455} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$467 \div 17 = 27 \text{ remainder } 8$$

$$\begin{array}{r} 27 \\ 17 \overline{) 467} \\ \underline{459} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$467 \div 19 = 24 \text{ remainder } 11$$

$$\begin{array}{r} 24 \\ 19 \overline{) 467} \\ \underline{456} \\ 11 \end{array} \leftarrow \text{remainder}$$



## **P<sub>92</sub> 479**

$$479 \div 2 = 239 \text{ remainder } 1$$

$$\begin{array}{r} 239 \\ 2 \overline{) 479} \\ \underline{478} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$479 \div 3 = 159 \text{ remainder } 2$$

$$\begin{array}{r} 159 \\ 3 \overline{) 479} \\ \underline{477} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$479 \div 5 = 95 \text{ remainder } 4$$

$$\begin{array}{r} 95 \\ 5 \overline{) 479} \\ \underline{475} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$479 \div 7 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 7 \overline{) 479} \\ \underline{476} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$479 \div 11 = 43 \text{ remainder } 6$$

$$\begin{array}{r} 43 \\ 11 \overline{) 479} \\ \underline{473} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$479 \div 13 = 36 \text{ remainder } 11$$

$$\begin{array}{r} 36 \\ 13 \overline{) 479} \\ \underline{468} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$479 \div 17 = 28 \text{ remainder } 3$$

$$\begin{array}{r} 28 \\ 17 \overline{) 479} \\ \underline{476} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$479 \div 19 = 25 \text{ remainder } 4$$

$$\begin{array}{r} 25 \\ 19 \overline{) 479} \\ \underline{475} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>93</sub> 487**

$$487 \div 2 = 243 \text{ remainder } 1$$

$$\begin{array}{r} 243 \\ 2 \overline{) 487} \\ \underline{486} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$487 \div 3 = 162 \text{ remainder } 1$$

$$\begin{array}{r} 162 \\ 3 \overline{) 487} \\ \underline{486} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$487 \div 5 = 97 \text{ remainder } 2$$

$$\begin{array}{r} 97 \\ 5 \overline{) 487} \\ \underline{485} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$487 \div 7 = 69 \text{ remainder } 4$$

$$\begin{array}{r} 69 \\ 7 \overline{) 487} \\ \underline{483} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$487 \div 11 = 44 \text{ remainder } 3$$

$$\begin{array}{r} 44 \\ 11 \overline{) 487} \\ \underline{484} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$487 \div 13 = 37 \text{ remainder } 6$$

$$\begin{array}{r} 37 \\ 13 \overline{) 487} \\ \underline{481} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$487 \div 17 = 28 \text{ remainder } 11$$

$$\begin{array}{r} 28 \\ 17 \overline{) 487} \\ \underline{476} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$487 \div 19 = 25 \text{ remainder } 12$$

$$\begin{array}{r} 25 \\ 19 \overline{) 487} \\ \underline{475} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>94</sub> 491**

$$491 \div 2 = 245 \text{ remainder } 1$$

$$\begin{array}{r} 245 \\ 2 \overline{) 491} \\ \underline{490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$491 \div 3 = 163 \text{ remainder } 2$$

$$\begin{array}{r} 163 \\ 3 \overline{) 491} \\ \underline{489} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$491 \div 5 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 5 \overline{) 491} \\ \underline{490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$491 \div 7 = 70 \text{ remainder } 1$$

$$\begin{array}{r} 70 \\ 7 \overline{) 491} \\ \underline{490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$491 \div 11 = 44 \text{ remainder } 7$$

$$\begin{array}{r} 44 \\ 11 \overline{) 491} \\ \underline{484} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$491 \div 13 = 37 \text{ remainder } 10$$

$$\begin{array}{r} 37 \\ 13 \overline{) 491} \\ \underline{481} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$491 \div 17 = 28 \text{ remainder } 15$$

$$\begin{array}{r} 28 \\ 17 \overline{) 491} \\ \underline{476} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$491 \div 19 = 25 \text{ remainder } 16$$

$$\begin{array}{r} 25 \\ 19 \overline{) 491} \\ \underline{475} \\ 16 \end{array} \leftarrow \text{remainder}$$

## P<sub>95</sub> 499

$$499 \div 2 = 249 \text{ remainder } 1$$

$$\begin{array}{r} 249 \\ 2 \overline{) 499} \\ \underline{498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$499 \div 3 = 166 \text{ remainder } 1$$

$$\begin{array}{r} 166 \\ 3 \overline{) 499} \\ \underline{498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$499 \div 5 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 5 \overline{) 499} \\ \underline{495} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$499 \div 7 = 71 \text{ remainder } 2$$

$$\begin{array}{r} 71 \\ 7 \overline{) 499} \\ \underline{497} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$499 \div 11 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 11 \overline{) 499} \\ \underline{495} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$499 \div 13 = 38 \text{ remainder } 5$$

$$\begin{array}{r} 38 \\ 13 \overline{) 499} \\ \underline{494} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$499 \div 17 = 29 \text{ remainder } 6$$

$$\begin{array}{r} 29 \\ 17 \overline{) 499} \\ \underline{493} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$499 \div 19 = 26 \text{ remainder } 5$$

$$\begin{array}{r} 26 \\ 19 \overline{) 499} \\ \underline{494} \\ 5 \end{array} \leftarrow \text{remainder}$$



## **P<sub>96</sub> 503**

$$503 \div 2 = 251 \text{ remainder } 1$$

$$\begin{array}{r} 251 \\ 2 \overline{) 503} \\ \underline{502} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$503 \div 3 = 167 \text{ remainder } 2$$

$$\begin{array}{r} 167 \\ 3 \overline{) 503} \\ \underline{501} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$503 \div 5 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 5 \overline{) 503} \\ \underline{500} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$503 \div 7 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 7 \overline{) 503} \\ \underline{497} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$503 \div 11 = 45 \text{ remainder } 8$$

$$\begin{array}{r} 45 \\ 11 \overline{) 503} \\ \underline{495} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$503 \div 13 = 38 \text{ remainder } 9$$

$$\begin{array}{r} 38 \\ 13 \overline{) 503} \\ \underline{494} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$503 \div 17 = 29 \text{ remainder } 10$$

$$\begin{array}{r} 29 \\ 17 \overline{) 503} \\ \underline{493} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$503 \div 19 = 26 \text{ remainder } 9$$

$$\begin{array}{r} 26 \\ 19 \overline{) 503} \\ \underline{494} \\ 9 \end{array} \leftarrow \text{remainder}$$

## **P<sub>97</sub> 509**

$$509 \div 2 = 254 \text{ remainder } 1$$

$$\begin{array}{r} 254 \\ 2 \overline{) 509} \\ \underline{508} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$509 \div 3 = 169 \text{ remainder } 2$$

$$\begin{array}{r} 169 \\ 3 \overline{) 509} \\ \underline{507} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$509 \div 5 = 101 \text{ remainder } 4$$

$$\begin{array}{r} 101 \\ 5 \overline{) 509} \\ \underline{505} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$509 \div 7 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 7 \overline{) 509} \\ \underline{504} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$509 \div 11 = 46 \text{ remainder } 3$$

$$\begin{array}{r} 46 \\ 11 \overline{) 509} \\ \underline{506} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$509 \div 13 = 39 \text{ remainder } 2$$

$$\begin{array}{r} 39 \\ 13 \overline{) 509} \\ \underline{507} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$509 \div 17 = 29 \text{ remainder } 16$$

$$\begin{array}{r} 29 \\ 17 \overline{) 509} \\ \underline{493} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$509 \div 19 = 26 \text{ remainder } 15$$

$$\begin{array}{r} 26 \\ 19 \overline{) 509} \\ \underline{494} \\ 15 \end{array} \leftarrow \text{remainder}$$

## P<sub>98</sub> 521

$$521 \div 2 = 260 \text{ remainder } 1$$

$$\begin{array}{r} 260 \\ 2 \overline{) 521} \\ \underline{520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$521 \div 3 = 173 \text{ remainder } 2$$

$$\begin{array}{r} 173 \\ 3 \overline{) 521} \\ \underline{519} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$521 \div 5 = 104 \text{ remainder } 1$$

$$\begin{array}{r} 104 \\ 5 \overline{) 521} \\ \underline{520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$521 \div 7 = 74 \text{ remainder } 3$$

$$\begin{array}{r} 74 \\ 7 \overline{) 521} \\ \underline{518} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$521 \div 11 = 47 \text{ remainder } 4$$

$$\begin{array}{r} 47 \\ 11 \overline{) 521} \\ \underline{517} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$521 \div 13 = 40 \text{ remainder } 1$$

$$\begin{array}{r} 40 \\ 13 \overline{) 521} \\ \underline{520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$521 \div 17 = 30 \text{ remainder } 11$$

$$\begin{array}{r} 30 \\ 17 \overline{) 521} \\ \underline{510} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$521 \div 19 = 27 \text{ remainder } 8$$

$$\begin{array}{r} 27 \\ 19 \overline{) 521} \\ \underline{513} \\ 8 \end{array} \leftarrow \text{remainder}$$

## P<sub>99</sub> 523

$$523 \div 2 = 261 \text{ remainder } 1$$

$$\begin{array}{r} 261 \\ 2 \overline{) 523} \\ \underline{522} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$523 \div 3 = 174 \text{ remainder } 1$$

$$\begin{array}{r} 174 \\ 3 \overline{) 523} \\ \underline{522} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$523 \div 5 = 104 \text{ remainder } 3$$

$$\begin{array}{r} 104 \\ 5 \overline{) 523} \\ \underline{520} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$523 \div 7 = 74 \text{ remainder } 5$$

$$\begin{array}{r} 74 \\ 7 \overline{) 523} \\ \underline{518} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$523 \div 11 = 47 \text{ remainder } 6$$

$$\begin{array}{r} 47 \\ 11 \overline{) 523} \\ \underline{517} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$523 \div 13 = 40 \text{ remainder } 3$$

$$\begin{array}{r} 40 \\ 13 \overline{) 523} \\ \underline{520} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$523 \div 17 = 30 \text{ remainder } 13$$

$$\begin{array}{r} 30 \\ 17 \overline{) 523} \\ \underline{510} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$523 \div 19 = 27 \text{ remainder } 10$$

$$\begin{array}{r} 27 \\ 19 \overline{) 523} \\ \underline{513} \\ 10 \end{array} \leftarrow \text{remainder}$$



## **P<sub>100</sub> 541**

$$541 \div 2 = 270 \text{ remainder } 1$$

$$\begin{array}{r} 270 \\ 2 \overline{) 541} \\ \underline{540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$541 \div 3 = 180 \text{ remainder } 1$$

$$\begin{array}{r} 180 \\ 3 \overline{) 541} \\ \underline{540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$541 \div 5 = 108 \text{ remainder } 1$$

$$\begin{array}{r} 108 \\ 5 \overline{) 541} \\ \underline{540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$541 \div 7 = 77 \text{ remainder } 2$$

$$\begin{array}{r} 77 \\ 7 \overline{) 541} \\ \underline{539} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$541 \div 11 = 49 \text{ remainder } 2$$

$$\begin{array}{r} 49 \\ 11 \overline{) 541} \\ \underline{539} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$541 \div 13 = 41 \text{ remainder } 8$$

$$\begin{array}{r} 41 \\ 13 \overline{) 541} \\ \underline{533} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$541 \div 17 = 31 \text{ remainder } 14$$

$$\begin{array}{r} 31 \\ 17 \overline{) 541} \\ \underline{527} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$541 \div 19 = 28 \text{ remainder } 9$$

$$\begin{array}{r} 28 \\ 19 \overline{) 541} \\ \underline{532} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$541 \div 23 = 23 \text{ remainder } 12$$

$$\begin{array}{r} 23 \\ 23 \overline{) 541} \\ \underline{529} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>101</sub> 547**

$$547 \div 2 = 273 \text{ remainder } 1$$

$$\begin{array}{r} 273 \\ 2 \overline{) 547} \\ \underline{546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$547 \div 3 = 182 \text{ remainder } 1$$

$$\begin{array}{r} 182 \\ 3 \overline{) 547} \\ \underline{546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$547 \div 5 = 109 \text{ remainder } 2$$

$$\begin{array}{r} 109 \\ 5 \overline{) 547} \\ \underline{545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$547 \div 7 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 7 \overline{) 547} \\ \underline{546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$547 \div 11 = 49 \text{ remainder } 8$$

$$\begin{array}{r} 49 \\ 11 \overline{) 547} \\ \underline{539} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$547 \div 13 = 42 \text{ remainder } 1$$

$$\begin{array}{r} 42 \\ 13 \overline{) 547} \\ \underline{546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$547 \div 17 = 32 \text{ remainder } 3$$

$$\begin{array}{r} 32 \\ 17 \overline{) 547} \\ \underline{544} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$547 \div 19 = 28 \text{ remainder } 15$$

$$\begin{array}{r} 28 \\ 19 \overline{) 547} \\ \underline{532} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$547 \div 23 = 23 \text{ remainder } 18$$

$$\begin{array}{r} 23 \\ 23 \overline{) 547} \\ \underline{529} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>102</sub> 557**

$$557 \div 2 = 278 \text{ remainder } 1$$

$$\begin{array}{r} 278 \\ 2 \overline{) 557} \\ \underline{556} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$557 \div 3 = 185 \text{ remainder } 2$$

$$\begin{array}{r} 185 \\ 3 \overline{) 557} \\ \underline{555} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$557 \div 5 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 5 \overline{) 557} \\ \underline{555} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$557 \div 7 = 79 \text{ remainder } 4$$

$$\begin{array}{r} 79 \\ 7 \overline{) 557} \\ \underline{553} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$557 \div 11 = 50 \text{ remainder } 7$$

$$\begin{array}{r} 50 \\ 11 \overline{) 557} \\ \underline{550} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$557 \div 13 = 42 \text{ remainder } 11$$

$$\begin{array}{r} 42 \\ 13 \overline{) 557} \\ \underline{546} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$557 \div 17 = 32 \text{ remainder } 13$$

$$\begin{array}{r} 32 \\ 17 \overline{) 557} \\ \underline{544} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$557 \div 19 = 29 \text{ remainder } 6$$

$$\begin{array}{r} 29 \\ 19 \overline{) 557} \\ \underline{551} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$557 \div 23 = 24 \text{ remainder } 5$$

$$\begin{array}{r} 24 \\ 23 \overline{) 557} \\ \underline{552} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>103</sub> 563**

$$563 \div 2 = 281 \text{ remainder } 1$$

$$\begin{array}{r} 281 \\ 2 \overline{) 563} \\ \underline{562} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$563 \div 3 = 187 \text{ remainder } 2$$

$$\begin{array}{r} 187 \\ 3 \overline{) 563} \\ \underline{561} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$563 \div 5 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 5 \overline{) 563} \\ \underline{560} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$563 \div 7 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 7 \overline{) 563} \\ \underline{560} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$563 \div 11 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 11 \overline{) 563} \\ \underline{561} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$563 \div 13 = 43 \text{ remainder } 4$$

$$\begin{array}{r} 43 \\ 13 \overline{) 563} \\ \underline{559} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$563 \div 17 = 33 \text{ remainder } 2$$

$$\begin{array}{r} 33 \\ 17 \overline{) 563} \\ \underline{561} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$563 \div 19 = 29 \text{ remainder } 12$$

$$\begin{array}{r} 29 \\ 19 \overline{) 563} \\ \underline{551} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$563 \div 23 = 24 \text{ remainder } 11$$

$$\begin{array}{r} 24 \\ 23 \overline{) 563} \\ \underline{552} \\ 11 \end{array} \leftarrow \text{remainder}$$



## **P<sub>104</sub> 569**

$$569 \div 2 = 284 \text{ remainder } 1$$

$$\begin{array}{r} 284 \\ 2 \overline{) 569} \\ \underline{568} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$569 \div 3 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 3 \overline{) 569} \\ \underline{567} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$569 \div 5 = 113 \text{ remainder } 4$$

$$\begin{array}{r} 113 \\ 5 \overline{) 569} \\ \underline{565} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$569 \div 7 = 81 \text{ remainder } 2$$

$$\begin{array}{r} 81 \\ 7 \overline{) 569} \\ \underline{567} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$569 \div 11 = 51 \text{ remainder } 8$$

$$\begin{array}{r} 51 \\ 11 \overline{) 569} \\ \underline{561} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$569 \div 13 = 43 \text{ remainder } 10$$

$$\begin{array}{r} 43 \\ 13 \overline{) 569} \\ \underline{559} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$569 \div 17 = 33 \text{ remainder } 8$$

$$\begin{array}{r} 33 \\ 17 \overline{) 569} \\ \underline{561} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$569 \div 19 = 29 \text{ remainder } 18$$

$$\begin{array}{r} 29 \\ 19 \overline{) 569} \\ \underline{551} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$569 \div 23 = 24 \text{ remainder } 17$$

$$\begin{array}{r} 24 \\ 23 \overline{) 569} \\ \underline{552} \\ 17 \end{array} \leftarrow \text{remainder}$$

## **P<sub>105</sub> 571**

$$571 \div 2 = 285 \text{ remainder } 1$$

$$\begin{array}{r} 285 \\ 2 \overline{) 571} \\ \underline{570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$571 \div 3 = 190 \text{ remainder } 1$$

$$\begin{array}{r} 190 \\ 3 \overline{) 571} \\ \underline{570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$571 \div 5 = 114 \text{ remainder } 1$$

$$\begin{array}{r} 114 \\ 5 \overline{) 571} \\ \underline{570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$571 \div 7 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 7 \overline{) 571} \\ \underline{567} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$571 \div 11 = 51 \text{ remainder } 10$$

$$\begin{array}{r} 51 \\ 11 \overline{) 571} \\ \underline{561} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$571 \div 13 = 43 \text{ remainder } 12$$

$$\begin{array}{r} 43 \\ 13 \overline{) 571} \\ \underline{559} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$571 \div 17 = 33 \text{ remainder } 10$$

$$\begin{array}{r} 33 \\ 17 \overline{) 571} \\ \underline{561} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$571 \div 19 = 30 \text{ remainder } 1$$

$$\begin{array}{r} 30 \\ 19 \overline{) 571} \\ \underline{570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$571 \div 23 = 24 \text{ remainder } 19$$

$$\begin{array}{r} 24 \\ 23 \overline{) 571} \\ \underline{552} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>106</sub> 577**

$$577 \div 2 = 288 \text{ remainder } 1$$

$$\begin{array}{r} 288 \\ 2 \overline{) 577} \\ \underline{576} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$577 \div 3 = 192 \text{ remainder } 1$$

$$\begin{array}{r} 192 \\ 3 \overline{) 577} \\ \underline{576} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$577 \div 5 = 115 \text{ remainder } 2$$

$$\begin{array}{r} 115 \\ 5 \overline{) 577} \\ \underline{575} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$577 \div 7 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 7 \overline{) 577} \\ \underline{574} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$577 \div 11 = 52 \text{ remainder } 5$$

$$\begin{array}{r} 52 \\ 11 \overline{) 577} \\ \underline{572} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$577 \div 13 = 44 \text{ remainder } 5$$

$$\begin{array}{r} 44 \\ 13 \overline{) 577} \\ \underline{572} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$577 \div 17 = 33 \text{ remainder } 16$$

$$\begin{array}{r} 33 \\ 17 \overline{) 577} \\ \underline{561} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$577 \div 19 = 30 \text{ remainder } 7$$

$$\begin{array}{r} 30 \\ 19 \overline{) 577} \\ \underline{570} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$577 \div 23 = 25 \text{ remainder } 2$$

$$\begin{array}{r} 25 \\ 23 \overline{) 577} \\ \underline{575} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>107</sub> 587**

$$587 \div 2 = 293 \text{ remainder } 1$$

$$\begin{array}{r} 293 \\ 2 \overline{) 587} \\ \underline{586} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$587 \div 3 = 195 \text{ remainder } 2$$

$$\begin{array}{r} 195 \\ 3 \overline{) 587} \\ \underline{585} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$587 \div 5 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 5 \overline{) 587} \\ \underline{585} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$587 \div 7 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 7 \overline{) 587} \\ \underline{581} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$587 \div 11 = 53 \text{ remainder } 4$$

$$\begin{array}{r} 53 \\ 11 \overline{) 587} \\ \underline{583} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$587 \div 13 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 13 \overline{) 587} \\ \underline{585} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$587 \div 17 = 34 \text{ remainder } 9$$

$$\begin{array}{r} 34 \\ 17 \overline{) 587} \\ \underline{578} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$587 \div 19 = 30 \text{ remainder } 17$$

$$\begin{array}{r} 30 \\ 19 \overline{) 587} \\ \underline{570} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$587 \div 23 = 25 \text{ remainder } 12$$

$$\begin{array}{r} 25 \\ 23 \overline{) 587} \\ \underline{575} \\ 12 \end{array} \leftarrow \text{remainder}$$



## **P<sub>108</sub> 593**

$$593 \div 2 = 296 \text{ remainder } 1$$

$$\begin{array}{r} 296 \\ 2 \overline{) 593} \\ \underline{592} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$593 \div 3 = 197 \text{ remainder } 2$$

$$\begin{array}{r} 197 \\ 3 \overline{) 593} \\ \underline{591} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$593 \div 5 = 118 \text{ remainder } 3$$

$$\begin{array}{r} 118 \\ 5 \overline{) 593} \\ \underline{590} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$593 \div 7 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 7 \overline{) 593} \\ \underline{588} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$593 \div 11 = 53 \text{ remainder } 10$$

$$\begin{array}{r} 53 \\ 11 \overline{) 593} \\ \underline{583} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$593 \div 13 = 45 \text{ remainder } 8$$

$$\begin{array}{r} 45 \\ 13 \overline{) 593} \\ \underline{585} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$593 \div 17 = 34 \text{ remainder } 15$$

$$\begin{array}{r} 34 \\ 17 \overline{) 593} \\ \underline{578} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$593 \div 19 = 31 \text{ remainder } 4$$

$$\begin{array}{r} 31 \\ 19 \overline{) 593} \\ \underline{589} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$593 \div 23 = 25 \text{ remainder } 18$$

$$\begin{array}{r} 25 \\ 23 \overline{) 593} \\ \underline{575} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>109</sub> 599**

$$599 \div 2 = 299 \text{ remainder } 1$$

$$\begin{array}{r} 299 \\ 2 \overline{) 599} \\ \underline{598} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$599 \div 3 = 199 \text{ remainder } 2$$

$$\begin{array}{r} 199 \\ 3 \overline{) 599} \\ \underline{597} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$599 \div 5 = 119 \text{ remainder } 4$$

$$\begin{array}{r} 119 \\ 5 \overline{) 599} \\ \underline{595} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$599 \div 7 = 85 \text{ remainder } 4$$

$$\begin{array}{r} 85 \\ 7 \overline{) 599} \\ \underline{595} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$599 \div 11 = 54 \text{ remainder } 5$$

$$\begin{array}{r} 54 \\ 11 \overline{) 599} \\ \underline{594} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$599 \div 13 = 46 \text{ remainder } 1$$

$$\begin{array}{r} 46 \\ 13 \overline{) 599} \\ \underline{598} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$599 \div 17 = 35 \text{ remainder } 4$$

$$\begin{array}{r} 35 \\ 17 \overline{) 599} \\ \underline{595} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$599 \div 19 = 31 \text{ remainder } 10$$

$$\begin{array}{r} 31 \\ 19 \overline{) 599} \\ \underline{589} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$599 \div 23 = 26 \text{ remainder } 1$$

$$\begin{array}{r} 26 \\ 23 \overline{) 599} \\ \underline{598} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>110</sub> 601**

$$601 \div 2 = 300 \text{ remainder } 1$$

$$\begin{array}{r} 300 \\ 2 \overline{) 601} \\ \underline{600} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$601 \div 3 = 200 \text{ remainder } 1$$

$$\begin{array}{r} 200 \\ 3 \overline{) 601} \\ \underline{600} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$601 \div 5 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 5 \overline{) 601} \\ \underline{600} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$601 \div 7 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 7 \overline{) 601} \\ \underline{595} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$601 \div 11 = 54 \text{ remainder } 7$$

$$\begin{array}{r} 54 \\ 11 \overline{) 601} \\ \underline{594} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$601 \div 13 = 46 \text{ remainder } 3$$

$$\begin{array}{r} 46 \\ 13 \overline{) 601} \\ \underline{598} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$601 \div 17 = 35 \text{ remainder } 6$$

$$\begin{array}{r} 35 \\ 17 \overline{) 601} \\ \underline{595} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$601 \div 19 = 31 \text{ remainder } 12$$

$$\begin{array}{r} 31 \\ 19 \overline{) 601} \\ \underline{589} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$601 \div 23 = 26 \text{ remainder } 3$$

$$\begin{array}{r} 26 \\ 23 \overline{) 601} \\ \underline{598} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>111</sub> 607**

$$607 \div 2 = 303 \text{ remainder } 1$$

$$\begin{array}{r} 303 \\ 2 \overline{) 607} \\ \underline{606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$607 \div 3 = 202 \text{ remainder } 1$$

$$\begin{array}{r} 202 \\ 3 \overline{) 607} \\ \underline{606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$607 \div 5 = 121 \text{ remainder } 2$$

$$\begin{array}{r} 121 \\ 5 \overline{) 607} \\ \underline{605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$607 \div 7 = 86 \text{ remainder } 5$$

$$\begin{array}{r} 86 \\ 7 \overline{) 607} \\ \underline{602} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$607 \div 11 = 55 \text{ remainder } 2$$

$$\begin{array}{r} 55 \\ 11 \overline{) 607} \\ \underline{605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$607 \div 13 = 46 \text{ remainder } 9$$

$$\begin{array}{r} 46 \\ 13 \overline{) 607} \\ \underline{598} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$607 \div 17 = 35 \text{ remainder } 12$$

$$\begin{array}{r} 35 \\ 17 \overline{) 607} \\ \underline{595} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$607 \div 19 = 31 \text{ remainder } 18$$

$$\begin{array}{r} 31 \\ 19 \overline{) 607} \\ \underline{589} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$607 \div 23 = 26 \text{ remainder } 9$$

$$\begin{array}{r} 26 \\ 23 \overline{) 607} \\ \underline{598} \\ 9 \end{array} \leftarrow \text{remainder}$$



## **P<sub>112</sub> 613**

$$613 \div 2 = 306 \text{ remainder } 1$$

$$\begin{array}{r} 2 \overline{) 613} \phantom{00} \\ \underline{612} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$613 \div 3 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 3 \overline{) 613} \phantom{00} \\ \underline{612} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$613 \div 5 = 122 \text{ remainder } 3$$

$$\begin{array}{r} 5 \overline{) 613} \phantom{00} \\ \underline{610} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$613 \div 7 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 7 \overline{) 613} \phantom{00} \\ \underline{609} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$613 \div 11 = 55 \text{ remainder } 8$$

$$\begin{array}{r} 11 \overline{) 613} \phantom{00} \\ \underline{605} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$613 \div 13 = 47 \text{ remainder } 2$$

$$\begin{array}{r} 47 \\ 13 \overline{) 613} \\ \underline{611} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$613 \div 17 = 36 \text{ remainder } 1$$

$$\begin{array}{r} 36 \\ 17 \overline{) 613} \\ \underline{612} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$613 \div 19 = 32 \text{ remainder } 5$$

$$\begin{array}{r} 32 \\ 19 \overline{) 613} \\ \underline{608} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$613 \div 23 = 26 \text{ remainder } 15$$

$$\begin{array}{r} 26 \\ 23 \overline{) 613} \\ \underline{598} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>113</sub> 617**

$$617 \div 2 = 308 \text{ remainder } 1$$

$$\begin{array}{r} 308 \\ 2 \overline{) 617} \\ \underline{616} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$617 \div 3 = 205 \text{ remainder } 2$$

$$\begin{array}{r} 205 \\ 3 \overline{) 617} \\ \underline{615} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$617 \div 5 = 123 \text{ remainder } 2$$

$$\begin{array}{r} 123 \\ 5 \overline{) 617} \\ \underline{615} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$617 \div 7 = 88 \text{ remainder } 1$$

$$\begin{array}{r} 88 \\ 7 \overline{) 617} \\ \underline{616} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$617 \div 11 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 11 \overline{) 617} \\ \underline{616} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$617 \div 13 = 47 \text{ remainder } 6$$

$$\begin{array}{r} 47 \\ 13 \overline{) 617} \\ \underline{611} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$617 \div 17 = 36 \text{ remainder } 5$$

$$\begin{array}{r} 36 \\ 17 \overline{) 617} \\ \underline{612} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$617 \div 19 = 32 \text{ remainder } 9$$

$$\begin{array}{r} 32 \\ 19 \overline{) 617} \\ \underline{608} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$617 \div 23 = 26 \text{ remainder } 19$$

$$\begin{array}{r} 26 \\ 23 \overline{) 617} \\ \underline{598} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>114</sub> 619**

$$619 \div 2 = 309 \text{ remainder } 1$$

$$\begin{array}{r} 309 \\ 2 \overline{) 619} \\ \underline{618} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$619 \div 3 = 206 \text{ remainder } 1$$

$$\begin{array}{r} 206 \\ 3 \overline{) 619} \\ \underline{618} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$619 \div 5 = 123 \text{ remainder } 4$$

$$\begin{array}{r} 123 \\ 5 \overline{) 619} \\ \underline{615} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$619 \div 7 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 7 \overline{) 619} \\ \underline{616} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$619 \div 11 = 56 \text{ remainder } 3$$

$$\begin{array}{r} 56 \\ 11 \overline{) 619} \\ \underline{616} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$619 \div 13 = 47 \text{ remainder } 8$$

$$\begin{array}{r} 47 \\ 13 \overline{) 619} \\ \underline{611} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$619 \div 17 = 36 \text{ remainder } 7$$

$$\begin{array}{r} 36 \\ 17 \overline{) 619} \\ \underline{612} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$619 \div 19 = 32 \text{ remainder } 11$$

$$\begin{array}{r} 32 \\ 19 \overline{) 619} \\ \underline{608} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$619 \div 23 = 26 \text{ remainder } 21$$

$$\begin{array}{r} 26 \\ 23 \overline{) 619} \\ \underline{598} \\ 21 \end{array} \leftarrow \text{remainder}$$

## **P<sub>115</sub> 631**

$$631 \div 2 = 315 \text{ remainder } 1$$

$$\begin{array}{r} 315 \\ 2 \overline{) 631} \\ \underline{630} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$631 \div 3 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 3 \overline{) 631} \\ \underline{630} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$631 \div 5 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 5 \overline{) 631} \\ \underline{630} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$631 \div 7 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 7 \overline{) 631} \\ \underline{630} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$631 \div 11 = 57 \text{ remainder } 4$$

$$\begin{array}{r} 57 \\ 11 \overline{) 631} \\ \underline{627} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$631 \div 13 = 48 \text{ remainder } 7$$

$$\begin{array}{r} 48 \\ 13 \overline{) 631} \\ \underline{624} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$631 \div 17 = 37 \text{ remainder } 2$$

$$\begin{array}{r} 37 \\ 17 \overline{) 631} \\ \underline{629} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$631 \div 19 = 33 \text{ remainder } 4$$

$$\begin{array}{r} 33 \\ 19 \overline{) 631} \\ \underline{627} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$631 \div 23 = 27 \text{ remainder } 10$$

$$\begin{array}{r} 27 \\ 23 \overline{) 631} \\ \underline{621} \\ 10 \end{array} \leftarrow \text{remainder}$$



## **P<sub>116</sub> 641**

$$641 \div 2 = 320 \text{ remainder } 1$$

$$\begin{array}{r} 320 \\ 2 \overline{) 641} \\ \underline{640} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$641 \div 3 = 213 \text{ remainder } 2$$

$$\begin{array}{r} 213 \\ 3 \overline{) 641} \\ \underline{639} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$641 \div 5 = 128 \text{ remainder } 1$$

$$\begin{array}{r} 128 \\ 5 \overline{) 641} \\ \underline{640} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$641 \div 7 = 91 \text{ remainder } 4$$

$$\begin{array}{r} 91 \\ 7 \overline{) 641} \\ \underline{637} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$641 \div 11 = 58 \text{ remainder } 3$$

$$\begin{array}{r} 58 \\ 11 \overline{) 641} \\ \underline{638} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$641 \div 13 = 49 \text{ remainder } 4$$

$$\begin{array}{r} 49 \\ 13 \overline{) 641} \\ \underline{637} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$641 \div 17 = 37 \text{ remainder } 12$$

$$\begin{array}{r} 37 \\ 17 \overline{) 641} \\ \underline{629} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$641 \div 19 = 33 \text{ remainder } 14$$

$$\begin{array}{r} 33 \\ 19 \overline{) 641} \\ \underline{627} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$641 \div 23 = 27 \text{ remainder } 20$$

$$\begin{array}{r} 27 \\ 23 \overline{) 641} \\ \underline{621} \\ 20 \end{array} \leftarrow \text{remainder}$$

## **P<sub>117</sub> 643**

$$643 \div 2 = 321 \text{ remainder } 1$$

$$\begin{array}{r} 321 \\ 2 \overline{) 643} \\ \underline{642} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$643 \div 3 = 214 \text{ remainder } 1$$

$$\begin{array}{r} 214 \\ 3 \overline{) 643} \\ \underline{642} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$643 \div 5 = 128 \text{ remainder } 3$$

$$\begin{array}{r} 128 \\ 5 \overline{) 643} \\ \underline{640} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$643 \div 7 = 91 \text{ remainder } 6$$

$$\begin{array}{r} 91 \\ 7 \overline{) 643} \\ \underline{637} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$643 \div 11 = 58 \text{ remainder } 5$$

$$\begin{array}{r} 58 \\ 11 \overline{) 643} \\ \underline{638} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$643 \div 13 = 49 \text{ remainder } 6$$

$$\begin{array}{r} 49 \\ 13 \overline{) 643} \\ \underline{637} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$643 \div 17 = 37 \text{ remainder } 14$$

$$\begin{array}{r} 37 \\ 17 \overline{) 643} \\ \underline{629} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$643 \div 19 = 33 \text{ remainder } 16$$

$$\begin{array}{r} 33 \\ 19 \overline{) 643} \\ \underline{627} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$643 \div 23 = 27 \text{ remainder } 22$$

$$\begin{array}{r} 27 \\ 23 \overline{) 643} \\ \underline{621} \\ 22 \end{array} \leftarrow \text{remainder}$$

## **P<sub>118</sub> 647**

$$647 \div 2 = 323 \text{ remainder } 1$$

$$\begin{array}{r} 323 \\ 2 \overline{) 647} \\ \underline{646} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$647 \div 3 = 215 \text{ remainder } 2$$

$$\begin{array}{r} 215 \\ 3 \overline{) 647} \\ \underline{645} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$647 \div 5 = 129 \text{ remainder } 2$$

$$\begin{array}{r} 129 \\ 5 \overline{) 647} \\ \underline{645} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$647 \div 7 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 7 \overline{) 647} \\ \underline{644} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$647 \div 11 = 58 \text{ remainder } 9$$

$$\begin{array}{r} 58 \\ 11 \overline{) 647} \\ \underline{638} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$647 \div 13 = 49 \text{ remainder } 10$$

$$\begin{array}{r} 49 \\ 13 \overline{) 647} \\ \underline{637} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$647 \div 17 = 38 \text{ remainder } 1$$

$$\begin{array}{r} 38 \\ 17 \overline{) 647} \\ \underline{646} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$647 \div 19 = 34 \text{ remainder } 1$$

$$\begin{array}{r} 34 \\ 19 \overline{) 647} \\ \underline{646} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$647 \div 23 = 28 \text{ remainder } 3$$

$$\begin{array}{r} 28 \\ 23 \overline{) 647} \\ \underline{644} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>119</sub> 653**

$$653 \div 2 = 326 \text{ remainder } 1$$

$$\begin{array}{r} 326 \\ 2 \overline{) 653} \\ \underline{652} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$653 \div 3 = 217 \text{ remainder } 2$$

$$\begin{array}{r} 217 \\ 3 \overline{) 653} \\ \underline{651} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$653 \div 5 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 5 \overline{) 653} \\ \underline{650} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$653 \div 7 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 7 \overline{) 653} \\ \underline{651} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$653 \div 11 = 59 \text{ remainder } 4$$

$$\begin{array}{r} 59 \\ 11 \overline{) 653} \\ \underline{649} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$653 \div 13 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 13 \overline{) 653} \\ \underline{650} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$653 \div 17 = 38 \text{ remainder } 7$$

$$\begin{array}{r} 38 \\ 17 \overline{) 653} \\ \underline{646} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$653 \div 19 = 34 \text{ remainder } 7$$

$$\begin{array}{r} 34 \\ 19 \overline{) 653} \\ \underline{646} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$653 \div 23 = 28 \text{ remainder } 9$$

$$\begin{array}{r} 28 \\ 23 \overline{) 653} \\ \underline{644} \\ 9 \end{array} \leftarrow \text{remainder}$$



## **P<sub>120</sub> 659**

$$659 \div 2 = 329 \text{ remainder } 1$$

$$\begin{array}{r} 329 \\ 2 \overline{) 659} \\ \underline{658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$659 \div 3 = 219 \text{ remainder } 2$$

$$\begin{array}{r} 219 \\ 3 \overline{) 659} \\ \underline{657} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$659 \div 5 = 131 \text{ remainder } 4$$

$$\begin{array}{r} 131 \\ 5 \overline{) 659} \\ \underline{655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$659 \div 7 = 94 \text{ remainder } 1$$

$$\begin{array}{r} 94 \\ 7 \overline{) 659} \\ \underline{658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$659 \div 11 = 59 \text{ remainder } 10$$

$$\begin{array}{r} 59 \\ 11 \overline{) 659} \\ \underline{649} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$659 \div 13 = 50 \text{ remainder } 9$$

$$\begin{array}{r} 50 \\ 13 \overline{) 659} \\ \underline{650} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$659 \div 17 = 38 \text{ remainder } 13$$

$$\begin{array}{r} 38 \\ 17 \overline{) 659} \\ \underline{646} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$659 \div 19 = 34 \text{ remainder } 13$$

$$\begin{array}{r} 34 \\ 19 \overline{) 659} \\ \underline{646} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$659 \div 23 = 28 \text{ remainder } 15$$

$$\begin{array}{r} 28 \\ 23 \overline{) 659} \\ \underline{644} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>121</sub> 661**

$$661 \div 2 = 330 \text{ remainder } 1$$

$$\begin{array}{r} 330 \\ 2 \overline{) 661} \\ \underline{660} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$661 \div 3 = 220 \text{ remainder } 1$$

$$\begin{array}{r} 220 \\ 3 \overline{) 661} \\ \underline{660} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$661 \div 5 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 5 \overline{) 661} \\ \underline{660} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$661 \div 7 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 7 \overline{) 661} \\ \underline{658} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$661 \div 11 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 11 \overline{) 661} \\ \underline{660} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$661 \div 13 = 50 \text{ remainder } 11$$

$$\begin{array}{r} 50 \\ 13 \overline{) 661} \\ \underline{650} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$661 \div 17 = 38 \text{ remainder } 15$$

$$\begin{array}{r} 38 \\ 17 \overline{) 661} \\ \underline{646} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$661 \div 19 = 34 \text{ remainder } 15$$

$$\begin{array}{r} 34 \\ 19 \overline{) 661} \\ \underline{646} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$661 \div 23 = 28 \text{ remainder } 17$$

$$\begin{array}{r} 28 \\ 23 \overline{) 661} \\ \underline{644} \\ 17 \end{array} \leftarrow \text{remainder}$$

## **P<sub>122</sub> 673**

$$673 \div 2 = 336 \text{ remainder } 1$$

$$\begin{array}{r} 336 \\ 2 \overline{) 673} \\ \underline{672} \phantom{0} \\ 1 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$673 \div 3 = 224 \text{ remainder } 1$$

$$\begin{array}{r} 224 \\ 3 \overline{) 673} \\ \underline{672} \phantom{0} \\ 1 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$673 \div 5 = 134 \text{ remainder } 3$$

$$\begin{array}{r} 134 \\ 5 \overline{) 673} \\ \underline{670} \phantom{0} \\ 3 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$673 \div 7 = 96 \text{ remainder } 1$$

$$\begin{array}{r} 96 \\ 7 \overline{) 673} \\ \underline{672} \phantom{0} \\ 1 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$673 \div 11 = 61 \text{ remainder } 2$$

$$\begin{array}{r} 61 \\ 11 \overline{) 673} \\ \underline{671} \phantom{0} \\ 2 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$673 \div 13 = 51 \text{ remainder } 10$$

$$\begin{array}{r} 51 \\ 13 \overline{) 673} \\ \underline{663} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$673 \div 17 = 39 \text{ remainder } 10$$

$$\begin{array}{r} 39 \\ 17 \overline{) 673} \\ \underline{663} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$673 \div 19 = 35 \text{ remainder } 8$$

$$\begin{array}{r} 35 \\ 19 \overline{) 673} \\ \underline{665} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$673 \div 23 = 29 \text{ remainder } 6$$

$$\begin{array}{r} 29 \\ 23 \overline{) 673} \\ \underline{667} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>123</sub> 677**

$$677 \div 2 = 338 \text{ remainder } 1$$

$$\begin{array}{r} 338 \\ 2 \overline{) 677} \\ \underline{676} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$677 \div 3 = 225 \text{ remainder } 2$$

$$\begin{array}{r} 225 \\ 3 \overline{) 677} \\ \underline{675} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$677 \div 5 = 135 \text{ remainder } 2$$

$$\begin{array}{r} 135 \\ 5 \overline{) 677} \\ \underline{675} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$677 \div 7 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 7 \overline{) 677} \\ \underline{672} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$677 \div 11 = 61 \text{ remainder } 6$$

$$\begin{array}{r} 61 \\ 11 \overline{) 677} \\ \underline{671} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$677 \div 13 = 52 \text{ remainder } 1$$

$$\begin{array}{r} 52 \\ 13 \overline{) 677} \\ \underline{676} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$677 \div 17 = 39 \text{ remainder } 14$$

$$\begin{array}{r} 39 \\ 17 \overline{) 677} \\ \underline{663} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$677 \div 19 = 35 \text{ remainder } 12$$

$$\begin{array}{r} 35 \\ 19 \overline{) 677} \\ \underline{665} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$677 \div 23 = 29 \text{ remainder } 10$$

$$\begin{array}{r} 29 \\ 23 \overline{) 677} \\ \underline{667} \\ 10 \end{array} \leftarrow \text{remainder}$$



## **P<sub>124</sub> 683**

$$683 \div 2 = 341 \text{ remainder } 1$$

$$\begin{array}{r} 341 \\ 2 \overline{) 683} \\ \underline{682} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$683 \div 3 = 227 \text{ remainder } 2$$

$$\begin{array}{r} 227 \\ 3 \overline{) 683} \\ \underline{681} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$683 \div 5 = 136 \text{ remainder } 3$$

$$\begin{array}{r} 136 \\ 5 \overline{) 683} \\ \underline{680} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$683 \div 7 = 97 \text{ remainder } 4$$

$$\begin{array}{r} 97 \\ 7 \overline{) 683} \\ \underline{679} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$683 \div 11 = 62 \text{ remainder } 1$$

$$\begin{array}{r} 62 \\ 11 \overline{) 683} \\ \underline{682} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$683 \div 13 = 52 \text{ remainder } 7$$

$$\begin{array}{r} 52 \\ 13 \overline{) 683} \\ \underline{676} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$683 \div 17 = 40 \text{ remainder } 3$$

$$\begin{array}{r} 40 \\ 17 \overline{) 683} \\ \underline{680} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$683 \div 19 = 35 \text{ remainder } 18$$

$$\begin{array}{r} 35 \\ 19 \overline{) 683} \\ \underline{665} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$683 \div 23 = 29 \text{ remainder } 16$$

$$\begin{array}{r} 29 \\ 23 \overline{) 683} \\ \underline{667} \\ 16 \end{array} \leftarrow \text{remainder}$$

## **P<sub>125</sub> 691**

$$691 \div 2 = 345 \text{ remainder } 1$$

$$\begin{array}{r} 345 \\ 2 \overline{) 691} \\ \underline{690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$691 \div 3 = 230 \text{ remainder } 1$$

$$\begin{array}{r} 230 \\ 3 \overline{) 691} \\ \underline{690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$691 \div 5 = 138 \text{ remainder } 1$$

$$\begin{array}{r} 138 \\ 5 \overline{) 691} \\ \underline{690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$691 \div 7 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 7 \overline{) 691} \\ \underline{686} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$691 \div 11 = 62 \text{ remainder } 9$$

$$\begin{array}{r} 62 \\ 11 \overline{) 691} \\ \underline{682} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$691 \div 13 = 53 \text{ remainder } 2$$

$$\begin{array}{r} 53 \\ 13 \overline{) 691} \\ \underline{689} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$691 \div 17 = 40 \text{ remainder } 11$$

$$\begin{array}{r} 40 \\ 17 \overline{) 691} \\ \underline{680} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$691 \div 19 = 36 \text{ remainder } 7$$

$$\begin{array}{r} 36 \\ 19 \overline{) 691} \\ \underline{684} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$691 \div 23 = 30 \text{ remainder } 1$$

$$\begin{array}{r} 30 \\ 23 \overline{) 691} \\ \underline{690} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>126</sub> 701**

$$701 \div 2 = 350 \text{ remainder } 1$$

$$\begin{array}{r} 350 \\ 2 \overline{) 701} \\ \underline{700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$701 \div 3 = 233 \text{ remainder } 2$$

$$\begin{array}{r} 233 \\ 3 \overline{) 701} \\ \underline{699} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$701 \div 5 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 5 \overline{) 701} \\ \underline{700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$701 \div 7 = 100 \text{ remainder } 1$$

$$\begin{array}{r} 100 \\ 7 \overline{) 701} \\ \underline{700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$701 \div 11 = 63 \text{ remainder } 8$$

$$\begin{array}{r} 63 \\ 11 \overline{) 701} \\ \underline{693} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$701 \div 13 = 53 \text{ remainder } 12$$

$$\begin{array}{r} 53 \\ 13 \overline{) 701} \\ \underline{689} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$701 \div 17 = 41 \text{ remainder } 4$$

$$\begin{array}{r} 41 \\ 17 \overline{) 701} \\ \underline{697} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$701 \div 19 = 36 \text{ remainder } 17$$

$$\begin{array}{r} 36 \\ 19 \overline{) 701} \\ \underline{684} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$701 \div 23 = 30 \text{ remainder } 11$$

$$\begin{array}{r} 30 \\ 23 \overline{) 701} \\ \underline{690} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>127</sub> 709**

$$709 \div 2 = 354 \text{ remainder } 1$$

$$\begin{array}{r} 354 \\ 2 \overline{) 709} \\ \underline{708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$709 \div 3 = 236 \text{ remainder } 1$$

$$\begin{array}{r} 236 \\ 3 \overline{) 709} \\ \underline{708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$709 \div 5 = 141 \text{ remainder } 4$$

$$\begin{array}{r} 141 \\ 5 \overline{) 709} \\ \underline{705} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$709 \div 7 = 101 \text{ remainder } 2$$

$$\begin{array}{r} 101 \\ 7 \overline{) 709} \\ \underline{707} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$709 \div 11 = 64 \text{ remainder } 5$$

$$\begin{array}{r} 64 \\ 11 \overline{) 709} \\ \underline{704} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$709 \div 13 = 54 \text{ remainder } 7$$

$$\begin{array}{r} 54 \\ 13 \overline{) 709} \\ \underline{702} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$709 \div 17 = 41 \text{ remainder } 12$$

$$\begin{array}{r} 41 \\ 17 \overline{) 709} \\ \underline{697} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$709 \div 19 = 37 \text{ remainder } 6$$

$$\begin{array}{r} 37 \\ 19 \overline{) 709} \\ \underline{703} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$709 \div 23 = 30 \text{ remainder } 19$$

$$\begin{array}{r} 30 \\ 23 \overline{) 709} \\ \underline{690} \\ 19 \end{array} \leftarrow \text{remainder}$$



## **P<sub>128</sub> 719**

$$719 \div 2 = 359 \text{ remainder } 1$$

$$\begin{array}{r} 359 \\ 2 \overline{) 719} \\ \underline{718} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$719 \div 3 = 239 \text{ remainder } 2$$

$$\begin{array}{r} 239 \\ 3 \overline{) 719} \\ \underline{717} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$719 \div 5 = 143 \text{ remainder } 4$$

$$\begin{array}{r} 143 \\ 5 \overline{) 719} \\ \underline{715} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$719 \div 7 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 7 \overline{) 719} \\ \underline{714} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$719 \div 11 = 65 \text{ remainder } 4$$

$$\begin{array}{r} 65 \\ 11 \overline{) 719} \\ \underline{715} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$719 \div 13 = 55 \text{ remainder } 4$$

$$\begin{array}{r} 55 \\ 13 \overline{) 719} \\ \underline{715} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$719 \div 17 = 42 \text{ remainder } 5$$

$$\begin{array}{r} 42 \\ 17 \overline{) 719} \\ \underline{714} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$719 \div 19 = 37 \text{ remainder } 16$$

$$\begin{array}{r} 37 \\ 19 \overline{) 719} \\ \underline{703} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$719 \div 23 = 31 \text{ remainder } 6$$

$$\begin{array}{r} 31 \\ 23 \overline{) 719} \\ \underline{713} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>129</sub> 727**

$$727 \div 2 = 363 \text{ remainder } 1$$

$$\begin{array}{r} 363 \\ 2 \overline{) 727} \\ \underline{726} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$727 \div 3 = 242 \text{ remainder } 1$$

$$\begin{array}{r} 242 \\ 3 \overline{) 727} \\ \underline{726} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$727 \div 5 = 145 \text{ remainder } 2$$

$$\begin{array}{r} 145 \\ 5 \overline{) 727} \\ \underline{725} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$727 \div 7 = 103 \text{ remainder } 6$$

$$\begin{array}{r} 103 \\ 7 \overline{) 727} \\ \underline{721} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$727 \div 11 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 11 \overline{) 727} \\ \underline{726} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$727 \div 13 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 13 \overline{) 727} \\ \underline{715} \phantom{0} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$727 \div 17 = 42 \text{ remainder } 13$$

$$\begin{array}{r} 42 \\ 17 \overline{) 727} \\ \underline{714} \phantom{0} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$727 \div 19 = 38 \text{ remainder } 5$$

$$\begin{array}{r} 38 \\ 19 \overline{) 727} \\ \underline{722} \phantom{0} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$727 \div 23 = 31 \text{ remainder } 14$$

$$\begin{array}{r} 31 \\ 23 \overline{) 727} \\ \underline{713} \phantom{0} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>130</sub> 733**

$$733 \div 2 = 366 \text{ remainder } 1$$

$$\begin{array}{r} 2 \overline{) 733} \phantom{00} \\ \underline{732} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$733 \div 3 = 244 \text{ remainder } 1$$

$$\begin{array}{r} 3 \overline{) 733} \phantom{00} \\ \underline{732} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$733 \div 5 = 146 \text{ remainder } 3$$

$$\begin{array}{r} 5 \overline{) 733} \phantom{00} \\ \underline{730} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$733 \div 7 = 104 \text{ remainder } 5$$

$$\begin{array}{r} 7 \overline{) 733} \phantom{00} \\ \underline{728} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$733 \div 11 = 66 \text{ remainder } 7$$

$$\begin{array}{r} 11 \overline{) 733} \phantom{00} \\ \underline{726} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$733 \div 13 = 56 \text{ remainder } 5$$

$$\begin{array}{r} 56 \\ 13 \overline{) 733} \\ \underline{728} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$733 \div 17 = 43 \text{ remainder } 2$$

$$\begin{array}{r} 43 \\ 17 \overline{) 733} \\ \underline{731} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$733 \div 19 = 38 \text{ remainder } 11$$

$$\begin{array}{r} 38 \\ 19 \overline{) 733} \\ \underline{722} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$733 \div 23 = 31 \text{ remainder } 20$$

$$\begin{array}{r} 31 \\ 23 \overline{) 733} \\ \underline{713} \\ 20 \end{array} \leftarrow \text{remainder}$$

## **P<sub>131</sub> 739**

$$739 \div 2 = 369 \text{ remainder } 1$$

$$\begin{array}{r} 369 \\ 2 \overline{) 739} \\ \underline{738} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$739 \div 3 = 246 \text{ remainder } 1$$

$$\begin{array}{r} 246 \\ 3 \overline{) 739} \\ \underline{738} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$739 \div 5 = 147 \text{ remainder } 4$$

$$\begin{array}{r} 147 \\ 5 \overline{) 739} \\ \underline{735} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$739 \div 7 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 7 \overline{) 739} \\ \underline{735} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$739 \div 11 = 67 \text{ remainder } 2$$

$$\begin{array}{r} 67 \\ 11 \overline{) 739} \\ \underline{737} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$739 \div 13 = 56 \text{ remainder } 11$$

$$\begin{array}{r} 56 \\ 13 \overline{) 739} \\ \underline{728} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$739 \div 17 = 43 \text{ remainder } 8$$

$$\begin{array}{r} 43 \\ 17 \overline{) 739} \\ \underline{731} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$739 \div 19 = 38 \text{ remainder } 17$$

$$\begin{array}{r} 38 \\ 19 \overline{) 739} \\ \underline{722} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$739 \div 23 = 32 \text{ remainder } 3$$

$$\begin{array}{r} 32 \\ 23 \overline{) 739} \\ \underline{736} \\ 3 \end{array} \leftarrow \text{remainder}$$



## **P<sub>132</sub> 743**

$$743 \div 2 = 371 \text{ remainder } 1$$

$$\begin{array}{r} 371 \\ 2 \overline{) 743} \\ \underline{742} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$743 \div 3 = 247 \text{ remainder } 2$$

$$\begin{array}{r} 247 \\ 3 \overline{) 743} \\ \underline{741} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$743 \div 5 = 148 \text{ remainder } 3$$

$$\begin{array}{r} 148 \\ 5 \overline{) 743} \\ \underline{740} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$743 \div 7 = 106 \text{ remainder } 1$$

$$\begin{array}{r} 106 \\ 7 \overline{) 743} \\ \underline{742} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$743 \div 11 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 11 \overline{) 743} \\ \underline{737} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$743 \div 13 = 57 \text{ remainder } 2$$

$$\begin{array}{r} 57 \\ 13 \overline{) 743} \\ \underline{741} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$743 \div 17 = 43 \text{ remainder } 12$$

$$\begin{array}{r} 43 \\ 17 \overline{) 743} \\ \underline{731} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$743 \div 19 = 39 \text{ remainder } 2$$

$$\begin{array}{r} 39 \\ 19 \overline{) 743} \\ \underline{741} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$743 \div 23 = 32 \text{ remainder } 7$$

$$\begin{array}{r} 32 \\ 23 \overline{) 743} \\ \underline{736} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>133</sub> 751**

$$751 \div 2 = 375 \text{ remainder } 1$$

$$\begin{array}{r} 375 \\ 2 \overline{) 751} \\ \underline{750} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$751 \div 3 = 250 \text{ remainder } 1$$

$$\begin{array}{r} 250 \\ 3 \overline{) 751} \\ \underline{750} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$751 \div 5 = 150 \text{ remainder } 1$$

$$\begin{array}{r} 150 \\ 5 \overline{) 751} \\ \underline{750} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$751 \div 7 = 107 \text{ remainder } 2$$

$$\begin{array}{r} 107 \\ 7 \overline{) 751} \\ \underline{749} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$751 \div 11 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 11 \overline{) 751} \\ \underline{748} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$751 \div 13 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 13 \overline{) 751} \\ \underline{741} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$751 \div 17 = 44 \text{ remainder } 3$$

$$\begin{array}{r} 44 \\ 17 \overline{) 751} \\ \underline{748} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$751 \div 19 = 39 \text{ remainder } 10$$

$$\begin{array}{r} 39 \\ 19 \overline{) 751} \\ \underline{741} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$751 \div 23 = 32 \text{ remainder } 15$$

$$\begin{array}{r} 32 \\ 23 \overline{) 751} \\ \underline{736} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>134</sub> 757**

$$757 \div 2 = 378 \text{ remainder } 1$$

$$\begin{array}{r} 378 \\ 2 \overline{) 757} \\ \underline{756} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$757 \div 3 = 252 \text{ remainder } 1$$

$$\begin{array}{r} 252 \\ 3 \overline{) 757} \\ \underline{756} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$757 \div 5 = 151 \text{ remainder } 2$$

$$\begin{array}{r} 151 \\ 5 \overline{) 757} \\ \underline{755} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$757 \div 7 = 108 \text{ remainder } 1$$

$$\begin{array}{r} 108 \\ 7 \overline{) 757} \\ \underline{756} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$757 \div 11 = 68 \text{ remainder } 9$$

$$\begin{array}{r} 68 \\ 11 \overline{) 757} \\ \underline{748} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$757 \div 13 = 58 \text{ remainder } 3$$

$$\begin{array}{r} 58 \\ 13 \overline{) 757} \\ \underline{754} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$757 \div 17 = 44 \text{ remainder } 9$$

$$\begin{array}{r} 44 \\ 17 \overline{) 757} \\ \underline{748} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$757 \div 19 = 39 \text{ remainder } 16$$

$$\begin{array}{r} 39 \\ 19 \overline{) 757} \\ \underline{741} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$757 \div 23 = 32 \text{ remainder } 21$$

$$\begin{array}{r} 32 \\ 23 \overline{) 757} \\ \underline{736} \\ 21 \end{array} \leftarrow \text{remainder}$$

## **P<sub>135</sub> 761**

$$761 \div 2 = 380 \text{ remainder } 1$$

$$\begin{array}{r} 380 \\ 2 \overline{) 761} \\ \underline{760} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$761 \div 3 = 253 \text{ remainder } 2$$

$$\begin{array}{r} 253 \\ 3 \overline{) 761} \\ \underline{759} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$761 \div 5 = 152 \text{ remainder } 1$$

$$\begin{array}{r} 152 \\ 5 \overline{) 761} \\ \underline{760} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$761 \div 7 = 108 \text{ remainder } 5$$

$$\begin{array}{r} 108 \\ 7 \overline{) 761} \\ \underline{756} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$761 \div 11 = 69 \text{ remainder } 2$$

$$\begin{array}{r} 69 \\ 11 \overline{) 761} \\ \underline{759} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$761 \div 13 = 58 \text{ remainder } 7$$

$$\begin{array}{r} 58 \\ 13 \overline{) 761} \\ \underline{754} \phantom{0} \\ 7 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$761 \div 17 = 44 \text{ remainder } 13$$

$$\begin{array}{r} 44 \\ 17 \overline{) 761} \\ \underline{748} \phantom{0} \\ 13 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$761 \div 19 = 40 \text{ remainder } 1$$

$$\begin{array}{r} 40 \\ 19 \overline{) 761} \\ \underline{760} \phantom{0} \\ 1 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$761 \div 23 = 33 \text{ remainder } 2$$

$$\begin{array}{r} 33 \\ 23 \overline{) 761} \\ \underline{759} \phantom{0} \\ 2 \phantom{0} \leftarrow \text{remainder} \end{array}$$



## **P<sub>136</sub> 769**

$$769 \div 2 = 384 \text{ remainder } 1$$

$$\begin{array}{r} 384 \\ 2 \overline{) 769} \\ \underline{768} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$769 \div 3 = 256 \text{ remainder } 1$$

$$\begin{array}{r} 256 \\ 3 \overline{) 769} \\ \underline{768} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$769 \div 5 = 153 \text{ remainder } 4$$

$$\begin{array}{r} 153 \\ 5 \overline{) 769} \\ \underline{765} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$769 \div 7 = 109 \text{ remainder } 6$$

$$\begin{array}{r} 109 \\ 7 \overline{) 769} \\ \underline{763} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$769 \div 11 = 69 \text{ remainder } 10$$

$$\begin{array}{r} 69 \\ 11 \overline{) 769} \\ \underline{759} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$769 \div 13 = 59 \text{ remainder } 2$$

$$\begin{array}{r} 59 \\ 13 \overline{) 769} \\ \underline{767} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$769 \div 17 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 17 \overline{) 769} \\ \underline{765} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$769 \div 19 = 40 \text{ remainder } 9$$

$$\begin{array}{r} 40 \\ 19 \overline{) 769} \\ \underline{760} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$769 \div 23 = 33 \text{ remainder } 10$$

$$\begin{array}{r} 33 \\ 23 \overline{) 769} \\ \underline{759} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>137</sub> 773**

$$773 \div 2 = 386 \text{ remainder } 1$$

$$\begin{array}{r} 386 \\ 2 \overline{) 773} \\ \underline{772} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$773 \div 3 = 257 \text{ remainder } 2$$

$$\begin{array}{r} 257 \\ 3 \overline{) 773} \\ \underline{771} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$773 \div 5 = 154 \text{ remainder } 3$$

$$\begin{array}{r} 154 \\ 5 \overline{) 773} \\ \underline{770} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$773 \div 7 = 110 \text{ remainder } 3$$

$$\begin{array}{r} 110 \\ 7 \overline{) 773} \\ \underline{770} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$773 \div 11 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 11 \overline{) 773} \\ \underline{770} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$773 \div 13 = 59 \text{ remainder } 6$$

$$\begin{array}{r} 59 \\ 13 \overline{) 773} \\ \underline{767} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$773 \div 17 = 45 \text{ remainder } 8$$

$$\begin{array}{r} 45 \\ 17 \overline{) 773} \\ \underline{765} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$773 \div 19 = 40 \text{ remainder } 13$$

$$\begin{array}{r} 40 \\ 19 \overline{) 773} \\ \underline{760} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$773 \div 23 = 33 \text{ remainder } 14$$

$$\begin{array}{r} 33 \\ 23 \overline{) 773} \\ \underline{759} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>138</sub> 787**

$$787 \div 2 = 393 \text{ remainder } 1$$

$$\begin{array}{r} 393 \\ 2 \overline{) 787} \\ \underline{786} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$787 \div 3 = 262 \text{ remainder } 1$$

$$\begin{array}{r} 262 \\ 3 \overline{) 787} \\ \underline{786} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$787 \div 5 = 157 \text{ remainder } 2$$

$$\begin{array}{r} 157 \\ 5 \overline{) 787} \\ \underline{785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$787 \div 7 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 7 \overline{) 787} \\ \underline{784} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$787 \div 11 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 11 \overline{) 787} \\ \underline{781} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$787 \div 13 = 60 \text{ remainder } 7$$

$$\begin{array}{r} 60 \\ 13 \overline{) 787} \\ \underline{780} \\ 7 \\ \leftarrow \text{remainder} \end{array}$$

$$787 \div 17 = 46 \text{ remainder } 5$$

$$\begin{array}{r} 46 \\ 17 \overline{) 787} \\ \underline{782} \\ 5 \\ \leftarrow \text{remainder} \end{array}$$

$$787 \div 19 = 41 \text{ remainder } 8$$

$$\begin{array}{r} 41 \\ 19 \overline{) 787} \\ \underline{779} \\ 8 \\ \leftarrow \text{remainder} \end{array}$$

$$787 \div 23 = 34 \text{ remainder } 5$$

$$\begin{array}{r} 34 \\ 23 \overline{) 787} \\ \underline{782} \\ 5 \\ \leftarrow \text{remainder} \end{array}$$

## **P<sub>139</sub> 797**

$$797 \div 2 = 398 \text{ remainder } 1$$

$$\begin{array}{r} 398 \\ 2 \overline{) 797} \\ \underline{796} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$797 \div 3 = 265 \text{ remainder } 2$$

$$\begin{array}{r} 265 \\ 3 \overline{) 797} \\ \underline{795} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$797 \div 5 = 159 \text{ remainder } 2$$

$$\begin{array}{r} 159 \\ 5 \overline{) 797} \\ \underline{795} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$797 \div 7 = 113 \text{ remainder } 6$$

$$\begin{array}{r} 113 \\ 7 \overline{) 797} \\ \underline{791} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$797 \div 11 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 11 \overline{) 797} \\ \underline{792} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$797 \div 13 = 61 \text{ remainder } 4$$

$$\begin{array}{r} 61 \\ 13 \overline{) 797} \\ \underline{793} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$797 \div 17 = 46 \text{ remainder } 15$$

$$\begin{array}{r} 46 \\ 17 \overline{) 797} \\ \underline{782} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$797 \div 19 = 41 \text{ remainder } 18$$

$$\begin{array}{r} 41 \\ 19 \overline{) 797} \\ \underline{779} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$797 \div 23 = 34 \text{ remainder } 15$$

$$\begin{array}{r} 34 \\ 23 \overline{) 797} \\ \underline{782} \\ 15 \end{array} \leftarrow \text{remainder}$$



## **P<sub>140</sub> 809**

$$809 \div 2 = 404 \text{ remainder } 1$$

$$\begin{array}{r} 404 \\ 2 \overline{) 809} \\ \underline{808} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$809 \div 3 = 269 \text{ remainder } 2$$

$$\begin{array}{r} 269 \\ 3 \overline{) 809} \\ \underline{807} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$809 \div 5 = 161 \text{ remainder } 4$$

$$\begin{array}{r} 161 \\ 5 \overline{) 809} \\ \underline{805} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$809 \div 7 = 115 \text{ remainder } 4$$

$$\begin{array}{r} 115 \\ 7 \overline{) 809} \\ \underline{805} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$809 \div 11 = 73 \text{ remainder } 6$$

$$\begin{array}{r} 73 \\ 11 \overline{) 809} \\ \underline{803} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$809 \div 13 = 62 \text{ remainder } 3$$

$$\begin{array}{r} 62 \\ 13 \overline{) 809} \\ \underline{806} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$809 \div 17 = 47 \text{ remainder } 10$$

$$\begin{array}{r} 47 \\ 17 \overline{) 809} \\ \underline{799} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$809 \div 19 = 42 \text{ remainder } 11$$

$$\begin{array}{r} 42 \\ 19 \overline{) 809} \\ \underline{798} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$809 \div 23 = 35 \text{ remainder } 4$$

$$\begin{array}{r} 35 \\ 23 \overline{) 809} \\ \underline{805} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>141</sub> 811**

$$811 \div 2 = 405 \text{ remainder } 1$$

$$\begin{array}{r} 405 \\ 2 \overline{) 811} \\ \underline{810} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$811 \div 3 = 270 \text{ remainder } 1$$

$$\begin{array}{r} 270 \\ 3 \overline{) 811} \\ \underline{810} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$811 \div 5 = 162 \text{ remainder } 1$$

$$\begin{array}{r} 162 \\ 5 \overline{) 811} \\ \underline{810} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$811 \div 7 = 115 \text{ remainder } 6$$

$$\begin{array}{r} 115 \\ 7 \overline{) 811} \\ \underline{805} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$811 \div 11 = 73 \text{ remainder } 8$$

$$\begin{array}{r} 73 \\ 11 \overline{) 811} \\ \underline{803} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$811 \div 13 = 62 \text{ remainder } 5$$

$$\begin{array}{r} 62 \\ 13 \overline{) 811} \\ \underline{806} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$811 \div 17 = 47 \text{ remainder } 12$$

$$\begin{array}{r} 47 \\ 17 \overline{) 811} \\ \underline{799} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$811 \div 19 = 42 \text{ remainder } 13$$

$$\begin{array}{r} 42 \\ 19 \overline{) 811} \\ \underline{798} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$811 \div 23 = 35 \text{ remainder } 6$$

$$\begin{array}{r} 35 \\ 23 \overline{) 811} \\ \underline{805} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>142</sub> 821**

$$821 \div 2 = 410 \text{ remainder } 1$$

$$\begin{array}{r} 410 \\ 2 \overline{) 821} \\ \underline{820} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$821 \div 3 = 273 \text{ remainder } 2$$

$$\begin{array}{r} 273 \\ 3 \overline{) 821} \\ \underline{819} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$821 \div 5 = 164 \text{ remainder } 1$$

$$\begin{array}{r} 164 \\ 5 \overline{) 821} \\ \underline{820} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$821 \div 7 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 7 \overline{) 821} \\ \underline{819} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$821 \div 11 = 74 \text{ remainder } 7$$

$$\begin{array}{r} 74 \\ 11 \overline{) 821} \\ \underline{814} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$821 \div 13 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 13 \overline{) 821} \\ \underline{819} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$821 \div 17 = 48 \text{ remainder } 5$$

$$\begin{array}{r} 48 \\ 17 \overline{) 821} \\ \underline{816} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$821 \div 19 = 43 \text{ remainder } 4$$

$$\begin{array}{r} 43 \\ 19 \overline{) 821} \\ \underline{817} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$821 \div 23 = 35 \text{ remainder } 16$$

$$\begin{array}{r} 35 \\ 23 \overline{) 821} \\ \underline{805} \\ 16 \end{array} \leftarrow \text{remainder}$$

## **P<sub>143</sub> 823**

$$823 \div 2 = 411 \text{ remainder } 1$$

$$\begin{array}{r} 411 \\ 2 \overline{) 823} \\ \underline{822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$823 \div 3 = 274 \text{ remainder } 1$$

$$\begin{array}{r} 274 \\ 3 \overline{) 823} \\ \underline{822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$823 \div 5 = 164 \text{ remainder } 3$$

$$\begin{array}{r} 164 \\ 5 \overline{) 823} \\ \underline{820} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$823 \div 7 = 117 \text{ remainder } 4$$

$$\begin{array}{r} 117 \\ 7 \overline{) 823} \\ \underline{819} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$823 \div 11 = 74 \text{ remainder } 9$$

$$\begin{array}{r} 74 \\ 11 \overline{) 823} \\ \underline{814} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$823 \div 13 = 63 \text{ remainder } 4$$

$$\begin{array}{r} 63 \\ 13 \overline{) 823} \\ \underline{819} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$823 \div 17 = 48 \text{ remainder } 7$$

$$\begin{array}{r} 48 \\ 17 \overline{) 823} \\ \underline{816} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$823 \div 19 = 43 \text{ remainder } 6$$

$$\begin{array}{r} 43 \\ 19 \overline{) 823} \\ \underline{817} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$823 \div 23 = 35 \text{ remainder } 18$$

$$\begin{array}{r} 35 \\ 23 \overline{) 823} \\ \underline{805} \\ 18 \end{array} \leftarrow \text{remainder}$$



## **P<sub>144</sub> 827**

$$827 \div 2 = 413 \text{ remainder } 1$$

$$\begin{array}{r} 413 \\ 2 \overline{) 827} \\ \underline{826} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$827 \div 3 = 275 \text{ remainder } 2$$

$$\begin{array}{r} 275 \\ 3 \overline{) 827} \\ \underline{825} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$827 \div 5 = 165 \text{ remainder } 2$$

$$\begin{array}{r} 165 \\ 5 \overline{) 827} \\ \underline{825} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$827 \div 7 = 118 \text{ remainder } 1$$

$$\begin{array}{r} 118 \\ 7 \overline{) 827} \\ \underline{826} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$827 \div 11 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 11 \overline{) 827} \\ \underline{825} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$827 \div 13 = 63 \text{ remainder } 8$$

$$\begin{array}{r} 63 \\ 13 \overline{) 827} \\ \underline{819} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$827 \div 17 = 48 \text{ remainder } 11$$

$$\begin{array}{r} 48 \\ 17 \overline{) 827} \\ \underline{816} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$827 \div 19 = 43 \text{ remainder } 10$$

$$\begin{array}{r} 43 \\ 19 \overline{) 827} \\ \underline{817} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$827 \div 23 = 35 \text{ remainder } 22$$

$$\begin{array}{r} 35 \\ 23 \overline{) 827} \\ \underline{805} \\ 22 \end{array} \leftarrow \text{remainder}$$

## **P<sub>145</sub> 829**

$$829 \div 2 = 414 \text{ remainder } 1$$

$$\begin{array}{r} 414 \\ 2 \overline{) 829} \\ \underline{828} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$829 \div 3 = 276 \text{ remainder } 1$$

$$\begin{array}{r} 276 \\ 3 \overline{) 829} \\ \underline{828} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$829 \div 5 = 165 \text{ remainder } 4$$

$$\begin{array}{r} 165 \\ 5 \overline{) 829} \\ \underline{825} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$829 \div 7 = 118 \text{ remainder } 3$$

$$\begin{array}{r} 118 \\ 7 \overline{) 829} \\ \underline{826} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$829 \div 11 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 11 \overline{) 829} \\ \underline{825} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$829 \div 13 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 13 \overline{) 829} \\ \underline{819} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$829 \div 17 = 48 \text{ remainder } 13$$

$$\begin{array}{r} 48 \\ 17 \overline{) 829} \\ \underline{816} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$829 \div 19 = 43 \text{ remainder } 12$$

$$\begin{array}{r} 43 \\ 19 \overline{) 829} \\ \underline{817} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$829 \div 23 = 36 \text{ remainder } 1$$

$$\begin{array}{r} 36 \\ 23 \overline{) 829} \\ \underline{828} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>146</sub> 839**

$$839 \div 2 = 419 \text{ remainder } 1$$

$$\begin{array}{r} 419 \\ 2 \overline{) 839} \\ \underline{838} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$839 \div 3 = 279 \text{ remainder } 2$$

$$\begin{array}{r} 279 \\ 3 \overline{) 839} \\ \underline{837} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$839 \div 5 = 167 \text{ remainder } 4$$

$$\begin{array}{r} 167 \\ 5 \overline{) 839} \\ \underline{835} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$839 \div 7 = 119 \text{ remainder } 6$$

$$\begin{array}{r} 119 \\ 7 \overline{) 839} \\ \underline{833} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$839 \div 11 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 11 \overline{) 839} \\ \underline{836} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$839 \div 13 = 64 \text{ remainder } 7$$

$$\begin{array}{r} 64 \\ 13 \overline{) 839} \\ \underline{832} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$839 \div 17 = 49 \text{ remainder } 6$$

$$\begin{array}{r} 49 \\ 17 \overline{) 839} \\ \underline{833} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$839 \div 19 = 44 \text{ remainder } 3$$

$$\begin{array}{r} 44 \\ 19 \overline{) 839} \\ \underline{836} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$839 \div 23 = 36 \text{ remainder } 11$$

$$\begin{array}{r} 36 \\ 23 \overline{) 839} \\ \underline{828} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>147</sub> 853**

$$853 \div 2 = 426 \text{ remainder } 1$$

$$\begin{array}{r} 426 \\ 2 \overline{) 853} \\ \underline{852} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$853 \div 3 = 284 \text{ remainder } 1$$

$$\begin{array}{r} 284 \\ 3 \overline{) 853} \\ \underline{852} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$853 \div 5 = 170 \text{ remainder } 3$$

$$\begin{array}{r} 170 \\ 5 \overline{) 853} \\ \underline{850} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$853 \div 7 = 121 \text{ remainder } 6$$

$$\begin{array}{r} 121 \\ 7 \overline{) 853} \\ \underline{847} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$853 \div 11 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 11 \overline{) 853} \\ \underline{847} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$853 \div 13 = 65 \text{ remainder } 8$$

$$\begin{array}{r} 65 \\ 13 \overline{) 853} \\ \underline{845} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$853 \div 17 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 17 \overline{) 853} \\ \underline{850} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$853 \div 19 = 44 \text{ remainder } 17$$

$$\begin{array}{r} 44 \\ 19 \overline{) 853} \\ \underline{836} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$853 \div 23 = 37 \text{ remainder } 2$$

$$\begin{array}{r} 37 \\ 23 \overline{) 853} \\ \underline{851} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$853 \div 29 = 29 \text{ remainder } 12$$

$$\begin{array}{r} 29 \\ 29 \overline{) 853} \\ \underline{841} \\ 12 \end{array} \leftarrow \text{remainder}$$



## **P<sub>148</sub> 857**

$$857 \div 2 = 428 \text{ remainder } 1$$

$$\begin{array}{r} 428 \\ 2 \overline{) 857} \\ \underline{856} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$857 \div 3 = 285 \text{ remainder } 2$$

$$\begin{array}{r} 285 \\ 3 \overline{) 857} \\ \underline{855} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$857 \div 5 = 171 \text{ remainder } 2$$

$$\begin{array}{r} 171 \\ 5 \overline{) 857} \\ \underline{855} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$857 \div 7 = 122 \text{ remainder } 3$$

$$\begin{array}{r} 122 \\ 7 \overline{) 857} \\ \underline{854} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$857 \div 11 = 77 \text{ remainder } 10$$

$$\begin{array}{r} 77 \\ 11 \overline{) 857} \\ \underline{847} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$857 \div 13 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 13 \overline{) 857} \\ \underline{845} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$857 \div 17 = 50 \text{ remainder } 7$$

$$\begin{array}{r} 50 \\ 17 \overline{) 857} \\ \underline{850} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$857 \div 19 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 19 \overline{) 857} \\ \underline{855} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$857 \div 23 = 37 \text{ remainder } 6$$

$$\begin{array}{r} 37 \\ 23 \overline{) 857} \\ \underline{851} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$857 \div 29 = 29 \text{ remainder } 16$$

$$\begin{array}{r} 29 \\ 29 \overline{) 857} \\ \underline{841} \\ 16 \end{array} \leftarrow \text{remainder}$$

## **P<sub>149</sub> 859**

$$859 \div 2 = 429 \text{ remainder } 1$$

$$\begin{array}{r} 429 \\ 2 \overline{) 859} \\ \underline{858} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$859 \div 3 = 286 \text{ remainder } 1$$

$$\begin{array}{r} 286 \\ 3 \overline{) 859} \\ \underline{858} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$859 \div 5 = 171 \text{ remainder } 4$$

$$\begin{array}{r} 171 \\ 5 \overline{) 859} \\ \underline{855} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$859 \div 7 = 122 \text{ remainder } 5$$

$$\begin{array}{r} 122 \\ 7 \overline{) 859} \\ \underline{854} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$859 \div 11 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 11 \overline{) 859} \\ \underline{858} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$859 \div 13 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 13 \overline{) 859} \\ \underline{858} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$859 \div 17 = 50 \text{ remainder } 9$$

$$\begin{array}{r} 50 \\ 17 \overline{) 859} \\ \underline{850} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$859 \div 19 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 19 \overline{) 859} \\ \underline{855} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$859 \div 23 = 37 \text{ remainder } 8$$

$$\begin{array}{r} 37 \\ 23 \overline{) 859} \\ \underline{851} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$859 \div 29 = 29 \text{ remainder } 18$$

$$\begin{array}{r} 29 \\ 29 \overline{) 859} \\ \underline{841} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>150</sub> 863**

$$863 \div 2 = 431 \text{ remainder } 1$$

$$\begin{array}{r} 431 \\ 2 \overline{) 863} \\ \underline{862} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$863 \div 3 = 287 \text{ remainder } 2$$

$$\begin{array}{r} 287 \\ 3 \overline{) 863} \\ \underline{861} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$863 \div 5 = 172 \text{ remainder } 3$$

$$\begin{array}{r} 172 \\ 5 \overline{) 863} \\ \underline{860} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$863 \div 7 = 123 \text{ remainder } 2$$

$$\begin{array}{r} 123 \\ 7 \overline{) 863} \\ \underline{861} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$863 \div 11 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 11 \overline{) 863} \\ \underline{858} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$863 \div 13 = 66 \text{ remainder } 5$$

$$\begin{array}{r} 66 \\ 13 \overline{) 863} \\ \underline{858} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$863 \div 17 = 50 \text{ remainder } 13$$

$$\begin{array}{r} 50 \\ 17 \overline{) 863} \\ \underline{850} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$863 \div 19 = 45 \text{ remainder } 8$$

$$\begin{array}{r} 45 \\ 19 \overline{) 863} \\ \underline{855} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$863 \div 23 = 37 \text{ remainder } 12$$

$$\begin{array}{r} 37 \\ 23 \overline{) 863} \\ \underline{851} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$863 \div 29 = 29 \text{ remainder } 22$$

$$\begin{array}{r} 29 \\ 29 \overline{) 863} \\ \underline{841} \\ 22 \end{array} \leftarrow \text{remainder}$$

## **P<sub>151</sub> 877**

$$877 \div 2 = 438 \text{ remainder } 1$$

$$\begin{array}{r} 438 \\ 2 \overline{) 877} \\ \underline{876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$877 \div 3 = 292 \text{ remainder } 1$$

$$\begin{array}{r} 292 \\ 3 \overline{) 877} \\ \underline{876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$877 \div 5 = 175 \text{ remainder } 2$$

$$\begin{array}{r} 175 \\ 5 \overline{) 877} \\ \underline{875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$877 \div 7 = 125 \text{ remainder } 2$$

$$\begin{array}{r} 125 \\ 7 \overline{) 877} \\ \underline{875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$877 \div 11 = 79 \text{ remainder } 8$$

$$\begin{array}{r} 79 \\ 11 \overline{) 877} \\ \underline{869} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$877 \div 13 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 13 \overline{) 877} \\ \underline{871} \phantom{0} \\ 6 \phantom{0} \end{array} \leftarrow \text{remainder}$$

$$877 \div 17 = 51 \text{ remainder } 10$$

$$\begin{array}{r} 51 \\ 17 \overline{) 877} \\ \underline{867} \phantom{0} \\ 10 \phantom{0} \end{array} \leftarrow \text{remainder}$$

$$877 \div 19 = 46 \text{ remainder } 3$$

$$\begin{array}{r} 46 \\ 19 \overline{) 877} \\ \underline{874} \phantom{0} \\ 3 \phantom{0} \end{array} \leftarrow \text{remainder}$$

$$877 \div 23 = 38 \text{ remainder } 3$$

$$\begin{array}{r} 38 \\ 23 \overline{) 877} \\ \underline{874} \phantom{0} \\ 3 \phantom{0} \end{array} \leftarrow \text{remainder}$$

$$877 \div 29 = 30 \text{ remainder } 7$$

$$\begin{array}{r} 30 \\ 29 \overline{) 877} \\ \underline{870} \phantom{0} \\ 7 \phantom{0} \end{array} \leftarrow \text{remainder}$$



## **P<sub>152</sub> 881**

$$881 \div 2 = 440 \text{ remainder } 1$$

$$\begin{array}{r} 440 \\ 2 \overline{) 881} \\ \underline{880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$881 \div 3 = 293 \text{ remainder } 2$$

$$\begin{array}{r} 293 \\ 3 \overline{) 881} \\ \underline{879} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$881 \div 5 = 176 \text{ remainder } 1$$

$$\begin{array}{r} 176 \\ 5 \overline{) 881} \\ \underline{880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$881 \div 7 = 125 \text{ remainder } 6$$

$$\begin{array}{r} 125 \\ 7 \overline{) 881} \\ \underline{875} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$881 \div 11 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 11 \overline{) 881} \\ \underline{880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$881 \div 13 = 67 \text{ remainder } 10$$

$$\begin{array}{r} 67 \\ 13 \overline{) 881} \\ \underline{871} \phantom{0} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$881 \div 17 = 51 \text{ remainder } 14$$

$$\begin{array}{r} 51 \\ 17 \overline{) 881} \\ \underline{867} \phantom{0} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$881 \div 19 = 46 \text{ remainder } 7$$

$$\begin{array}{r} 46 \\ 19 \overline{) 881} \\ \underline{874} \phantom{0} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$881 \div 23 = 38 \text{ remainder } 7$$

$$\begin{array}{r} 38 \\ 23 \overline{) 881} \\ \underline{874} \phantom{0} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$881 \div 29 = 30 \text{ remainder } 11$$

$$\begin{array}{r} 30 \\ 29 \overline{) 881} \\ \underline{870} \phantom{0} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>153</sub> 883**

$$883 \div 2 = 441 \text{ remainder } 1$$

$$\begin{array}{r} 441 \\ 2 \overline{) 883} \\ \underline{882} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$883 \div 3 = 294 \text{ remainder } 1$$

$$\begin{array}{r} 294 \\ 3 \overline{) 883} \\ \underline{882} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$883 \div 5 = 176 \text{ remainder } 3$$

$$\begin{array}{r} 176 \\ 5 \overline{) 883} \\ \underline{880} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$883 \div 7 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 7 \overline{) 883} \\ \underline{882} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$883 \div 11 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 11 \overline{) 883} \\ \underline{880} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$883 \div 13 = 67 \text{ remainder } 12$$

$$\begin{array}{r} 67 \\ 13 \overline{) 883} \\ \underline{871} \phantom{0} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$883 \div 17 = 51 \text{ remainder } 16$$

$$\begin{array}{r} 51 \\ 17 \overline{) 883} \\ \underline{867} \phantom{0} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$883 \div 19 = 46 \text{ remainder } 9$$

$$\begin{array}{r} 46 \\ 19 \overline{) 883} \\ \underline{874} \phantom{0} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$883 \div 23 = 38 \text{ remainder } 9$$

$$\begin{array}{r} 38 \\ 23 \overline{) 883} \\ \underline{874} \phantom{0} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$883 \div 29 = 30 \text{ remainder } 13$$

$$\begin{array}{r} 30 \\ 29 \overline{) 883} \\ \underline{870} \phantom{0} \\ 13 \end{array} \leftarrow \text{remainder}$$

## **P<sub>154</sub> 887**

$$887 \div 2 = 443 \text{ remainder } 1$$

$$\begin{array}{r} 443 \\ 2 \overline{) 887} \\ \underline{886} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$887 \div 3 = 295 \text{ remainder } 2$$

$$\begin{array}{r} 295 \\ 3 \overline{) 887} \\ \underline{885} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$887 \div 5 = 177 \text{ remainder } 2$$

$$\begin{array}{r} 177 \\ 5 \overline{) 887} \\ \underline{885} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$887 \div 7 = 126 \text{ remainder } 5$$

$$\begin{array}{r} 126 \\ 7 \overline{) 887} \\ \underline{882} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$887 \div 11 = 80 \text{ remainder } 7$$

$$\begin{array}{r} 80 \\ 11 \overline{) 887} \\ \underline{880} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$887 \div 13 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 13 \overline{) 887} \\ \underline{884} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$887 \div 17 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 17 \overline{) 887} \\ \underline{884} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$887 \div 19 = 46 \text{ remainder } 13$$

$$\begin{array}{r} 46 \\ 19 \overline{) 887} \\ \underline{874} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$887 \div 23 = 38 \text{ remainder } 13$$

$$\begin{array}{r} 38 \\ 23 \overline{) 887} \\ \underline{874} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$887 \div 29 = 30 \text{ remainder } 17$$

$$\begin{array}{r} 30 \\ 29 \overline{) 887} \\ \underline{870} \\ 17 \end{array} \leftarrow \text{remainder}$$

## **P<sub>155</sub> 907**

$$907 \div 2 = 453 \text{ remainder } 1$$

$$\begin{array}{r} 453 \\ 2 \overline{) 907} \\ \underline{906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$907 \div 3 = 302 \text{ remainder } 1$$

$$\begin{array}{r} 302 \\ 3 \overline{) 907} \\ \underline{906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$907 \div 5 = 181 \text{ remainder } 2$$

$$\begin{array}{r} 181 \\ 5 \overline{) 907} \\ \underline{905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$907 \div 7 = 129 \text{ remainder } 4$$

$$\begin{array}{r} 129 \\ 7 \overline{) 907} \\ \underline{903} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$907 \div 11 = 82 \text{ remainder } 5$$

$$\begin{array}{r} 82 \\ 11 \overline{) 907} \\ \underline{902} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$907 \div 13 = 69 \text{ remainder } 10$$

$$\begin{array}{r} 69 \\ 13 \overline{) 907} \\ \underline{897} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$907 \div 17 = 53 \text{ remainder } 6$$

$$\begin{array}{r} 53 \\ 17 \overline{) 907} \\ \underline{901} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$907 \div 19 = 47 \text{ remainder } 14$$

$$\begin{array}{r} 47 \\ 19 \overline{) 907} \\ \underline{893} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$907 \div 23 = 39 \text{ remainder } 10$$

$$\begin{array}{r} 39 \\ 23 \overline{) 907} \\ \underline{897} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$907 \div 29 = 31 \text{ remainder } 8$$

$$\begin{array}{r} 31 \\ 29 \overline{) 907} \\ \underline{899} \\ 8 \end{array} \leftarrow \text{remainder}$$



## **P<sub>156</sub> 911**

$$911 \div 2 = 455 \text{ remainder } 1$$

$$\begin{array}{r} 455 \\ 2 \overline{) 911} \\ \underline{910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$911 \div 3 = 303 \text{ remainder } 2$$

$$\begin{array}{r} 303 \\ 3 \overline{) 911} \\ \underline{909} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$911 \div 5 = 182 \text{ remainder } 1$$

$$\begin{array}{r} 182 \\ 5 \overline{) 911} \\ \underline{910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$911 \div 7 = 130 \text{ remainder } 1$$

$$\begin{array}{r} 130 \\ 7 \overline{) 911} \\ \underline{910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$911 \div 11 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 11 \overline{) 911} \\ \underline{902} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$911 \div 13 = 70 \text{ remainder } 1$$

$$\begin{array}{r} 70 \\ 13 \overline{) 911} \\ \underline{910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$911 \div 17 = 53 \text{ remainder } 10$$

$$\begin{array}{r} 53 \\ 17 \overline{) 911} \\ \underline{901} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$911 \div 19 = 47 \text{ remainder } 18$$

$$\begin{array}{r} 47 \\ 19 \overline{) 911} \\ \underline{893} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$911 \div 23 = 39 \text{ remainder } 14$$

$$\begin{array}{r} 39 \\ 23 \overline{) 911} \\ \underline{897} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$911 \div 29 = 31 \text{ remainder } 12$$

$$\begin{array}{r} 31 \\ 29 \overline{) 911} \\ \underline{899} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>157</sub> 919**

$$919 \div 2 = 459 \text{ remainder } 1$$

$$\begin{array}{r} 459 \\ 2 \overline{) 919} \\ \underline{918} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$919 \div 3 = 306 \text{ remainder } 1$$

$$\begin{array}{r} 306 \\ 3 \overline{) 919} \\ \underline{918} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$919 \div 5 = 183 \text{ remainder } 4$$

$$\begin{array}{r} 183 \\ 5 \overline{) 919} \\ \underline{915} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$919 \div 7 = 131 \text{ remainder } 2$$

$$\begin{array}{r} 131 \\ 7 \overline{) 919} \\ \underline{917} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$919 \div 11 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 11 \overline{) 919} \\ \underline{913} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$919 \div 13 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 13 \overline{) 919} \\ \underline{910} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$919 \div 17 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 17 \overline{) 919} \\ \underline{918} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$919 \div 19 = 48 \text{ remainder } 7$$

$$\begin{array}{r} 48 \\ 19 \overline{) 919} \\ \underline{912} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$919 \div 23 = 39 \text{ remainder } 22$$

$$\begin{array}{r} 39 \\ 23 \overline{) 919} \\ \underline{897} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$919 \div 29 = 31 \text{ remainder } 20$$

$$\begin{array}{r} 31 \\ 29 \overline{) 919} \\ \underline{899} \\ 20 \end{array} \leftarrow \text{remainder}$$

## **P<sub>158</sub> 929**

$$929 \div 2 = 464 \text{ remainder } 1$$

$$\begin{array}{r} 464 \\ 2 \overline{) 929} \\ \underline{928} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$929 \div 3 = 309 \text{ remainder } 2$$

$$\begin{array}{r} 309 \\ 3 \overline{) 929} \\ \underline{927} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$929 \div 5 = 185 \text{ remainder } 4$$

$$\begin{array}{r} 185 \\ 5 \overline{) 929} \\ \underline{925} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$929 \div 7 = 132 \text{ remainder } 5$$

$$\begin{array}{r} 132 \\ 7 \overline{) 929} \\ \underline{924} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$929 \div 11 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 11 \overline{) 929} \\ \underline{924} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$929 \div 13 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 13 \overline{) 929} \\ \underline{923} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$929 \div 17 = 54 \text{ remainder } 11$$

$$\begin{array}{r} 54 \\ 17 \overline{) 929} \\ \underline{918} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$929 \div 19 = 48 \text{ remainder } 17$$

$$\begin{array}{r} 48 \\ 19 \overline{) 929} \\ \underline{912} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$929 \div 23 = 40 \text{ remainder } 9$$

$$\begin{array}{r} 40 \\ 23 \overline{) 929} \\ \underline{920} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$929 \div 29 = 32 \text{ remainder } 1$$

$$\begin{array}{r} 32 \\ 29 \overline{) 929} \\ \underline{928} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>159</sub> 937**

$$937 \div 2 = 468 \text{ remainder } 1$$

$$\begin{array}{r} 468 \\ 2 \overline{) 937} \\ \underline{936} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$937 \div 3 = 312 \text{ remainder } 1$$

$$\begin{array}{r} 312 \\ 3 \overline{) 937} \\ \underline{936} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$937 \div 5 = 187 \text{ remainder } 2$$

$$\begin{array}{r} 187 \\ 5 \overline{) 937} \\ \underline{935} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$937 \div 7 = 133 \text{ remainder } 6$$

$$\begin{array}{r} 133 \\ 7 \overline{) 937} \\ \underline{931} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$937 \div 11 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 11 \overline{) 937} \\ \underline{935} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$937 \div 13 = 72 \text{ remainder } 1$$

$$\begin{array}{r} 72 \\ 13 \overline{) 937} \\ \underline{936} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$937 \div 17 = 55 \text{ remainder } 2$$

$$\begin{array}{r} 55 \\ 17 \overline{) 937} \\ \underline{935} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$937 \div 19 = 49 \text{ remainder } 6$$

$$\begin{array}{r} 49 \\ 19 \overline{) 937} \\ \underline{931} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$937 \div 23 = 40 \text{ remainder } 17$$

$$\begin{array}{r} 40 \\ 23 \overline{) 937} \\ \underline{920} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$937 \div 29 = 32 \text{ remainder } 9$$

$$\begin{array}{r} 32 \\ 29 \overline{) 937} \\ \underline{928} \\ 9 \end{array} \leftarrow \text{remainder}$$



## **P<sub>160</sub> 941**

$$941 \div 2 = 470 \text{ remainder } 1$$

$$\begin{array}{r} 470 \\ 2 \overline{) 941} \\ \underline{940} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$941 \div 3 = 313 \text{ remainder } 2$$

$$\begin{array}{r} 313 \\ 3 \overline{) 941} \\ \underline{939} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$941 \div 5 = 188 \text{ remainder } 1$$

$$\begin{array}{r} 188 \\ 5 \overline{) 941} \\ \underline{940} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$941 \div 7 = 134 \text{ remainder } 3$$

$$\begin{array}{r} 134 \\ 7 \overline{) 941} \\ \underline{938} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$941 \div 11 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 11 \overline{) 941} \\ \underline{935} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$941 \div 13 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 13 \overline{) 941} \\ \underline{936} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$941 \div 17 = 55 \text{ remainder } 6$$

$$\begin{array}{r} 55 \\ 17 \overline{) 941} \\ \underline{935} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$941 \div 19 = 49 \text{ remainder } 10$$

$$\begin{array}{r} 49 \\ 19 \overline{) 941} \\ \underline{931} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$941 \div 23 = 40 \text{ remainder } 21$$

$$\begin{array}{r} 40 \\ 23 \overline{) 941} \\ \underline{920} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$941 \div 29 = 32 \text{ remainder } 13$$

$$\begin{array}{r} 32 \\ 29 \overline{) 941} \\ \underline{928} \\ 13 \end{array} \leftarrow \text{remainder}$$

## **P<sub>161</sub> 947**

$$947 \div 2 = 473 \text{ remainder } 1$$

$$\begin{array}{r} 473 \\ 2 \overline{) 947} \\ \underline{946} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$947 \div 3 = 315 \text{ remainder } 2$$

$$\begin{array}{r} 315 \\ 3 \overline{) 947} \\ \underline{945} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$947 \div 5 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 5 \overline{) 947} \\ \underline{945} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$947 \div 7 = 135 \text{ remainder } 2$$

$$\begin{array}{r} 135 \\ 7 \overline{) 947} \\ \underline{945} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$947 \div 11 = 86 \text{ remainder } 1$$

$$\begin{array}{r} 86 \\ 11 \overline{) 947} \\ \underline{946} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$947 \div 13 = 72 \text{ remainder } 11$$

$$\begin{array}{r} 72 \\ 13 \overline{) 947} \\ \underline{936} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$947 \div 17 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 17 \overline{) 947} \\ \underline{935} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$947 \div 19 = 49 \text{ remainder } 16$$

$$\begin{array}{r} 49 \\ 19 \overline{) 947} \\ \underline{931} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$947 \div 23 = 41 \text{ remainder } 4$$

$$\begin{array}{r} 41 \\ 23 \overline{) 947} \\ \underline{943} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$947 \div 29 = 32 \text{ remainder } 19$$

$$\begin{array}{r} 32 \\ 29 \overline{) 947} \\ \underline{928} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>162</sub> 953**

$$953 \div 2 = 476 \text{ remainder } 1$$

$$\begin{array}{r} 476 \\ 2 \overline{) 953} \\ \underline{952} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$953 \div 3 = 317 \text{ remainder } 2$$

$$\begin{array}{r} 317 \\ 3 \overline{) 953} \\ \underline{951} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$953 \div 5 = 190 \text{ remainder } 3$$

$$\begin{array}{r} 190 \\ 5 \overline{) 953} \\ \underline{950} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$953 \div 7 = 136 \text{ remainder } 1$$

$$\begin{array}{r} 136 \\ 7 \overline{) 953} \\ \underline{952} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$953 \div 11 = 86 \text{ remainder } 7$$

$$\begin{array}{r} 86 \\ 11 \overline{) 953} \\ \underline{946} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$953 \div 13 = 73 \text{ remainder } 4$$

$$\begin{array}{r} 73 \\ 13 \overline{) 953} \\ \underline{949} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$953 \div 17 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 17 \overline{) 953} \\ \underline{952} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$953 \div 19 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 19 \overline{) 953} \\ \underline{950} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$953 \div 23 = 41 \text{ remainder } 10$$

$$\begin{array}{r} 41 \\ 23 \overline{) 953} \\ \underline{943} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$953 \div 29 = 32 \text{ remainder } 25$$

$$\begin{array}{r} 32 \\ 29 \overline{) 953} \\ \underline{928} \\ 25 \end{array} \leftarrow \text{remainder}$$

## **P<sub>163</sub> 967**

$$967 \div 2 = 483 \text{ remainder } 1$$

$$\begin{array}{r} 483 \\ 2 \overline{) 967} \\ \underline{966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$967 \div 3 = 322 \text{ remainder } 1$$

$$\begin{array}{r} 322 \\ 3 \overline{) 967} \\ \underline{966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$967 \div 5 = 193 \text{ remainder } 2$$

$$\begin{array}{r} 193 \\ 5 \overline{) 967} \\ \underline{965} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$967 \div 7 = 138 \text{ remainder } 1$$

$$\begin{array}{r} 138 \\ 7 \overline{) 967} \\ \underline{966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$967 \div 11 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 11 \overline{) 967} \\ \underline{957} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$967 \div 13 = 74 \text{ remainder } 5$$

$$\begin{array}{r} 74 \\ 13 \overline{) 967} \\ \underline{962} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$967 \div 17 = 56 \text{ remainder } 15$$

$$\begin{array}{r} 56 \\ 17 \overline{) 967} \\ \underline{952} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$967 \div 19 = 50 \text{ remainder } 17$$

$$\begin{array}{r} 50 \\ 19 \overline{) 967} \\ \underline{950} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$967 \div 23 = 42 \text{ remainder } 1$$

$$\begin{array}{r} 42 \\ 23 \overline{) 967} \\ \underline{966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$967 \div 29 = 33 \text{ remainder } 10$$

$$\begin{array}{r} 33 \\ 29 \overline{) 967} \\ \underline{957} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$967 \div 31 = 31 \text{ remainder } 6$$

$$\begin{array}{r} 31 \\ 31 \overline{) 967} \end{array}$$



961

---

6 ← remainder

## **P<sub>164</sub> 971**

$$971 \div 2 = 485 \text{ remainder } 1$$

$$\begin{array}{r} 485 \\ 2 \overline{) 971} \\ \underline{970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$971 \div 3 = 323 \text{ remainder } 2$$

$$\begin{array}{r} 323 \\ 3 \overline{) 971} \\ \underline{969} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$971 \div 5 = 194 \text{ remainder } 1$$

$$\begin{array}{r} 194 \\ 5 \overline{) 971} \\ \underline{970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$971 \div 7 = 138 \text{ remainder } 5$$

$$\begin{array}{r} 138 \\ 7 \overline{) 971} \\ \underline{966} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$971 \div 11 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 11 \overline{) 971} \\ \underline{968} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$971 \div 13 = 74 \text{ remainder } 9$$

$$\begin{array}{r} 74 \\ 13 \overline{) 971} \\ \underline{962} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$971 \div 17 = 57 \text{ remainder } 2$$

$$\begin{array}{r} 57 \\ 17 \overline{) 971} \\ \underline{969} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$971 \div 19 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 19 \overline{) 971} \\ \underline{969} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$971 \div 23 = 42 \text{ remainder } 5$$

$$\begin{array}{r} 42 \\ 23 \overline{) 971} \\ \underline{966} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$971 \div 29 = 33 \text{ remainder } 14$$

$$\begin{array}{r} 33 \\ 29 \overline{) 971} \\ \underline{957} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$971 \div 31 = 31 \text{ remainder } 10$$

$$\begin{array}{r} 31 \\ 31 \overline{) 971} \end{array}$$

961

---

10 ← remainder

## **P<sub>165</sub> 977**

$$977 \div 2 = 488 \text{ remainder } 1$$

$$\begin{array}{r} 488 \\ 2 \overline{) 977} \\ \underline{976} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$977 \div 3 = 325 \text{ remainder } 2$$

$$\begin{array}{r} 325 \\ 3 \overline{) 977} \\ \underline{975} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$977 \div 5 = 195 \text{ remainder } 2$$

$$\begin{array}{r} 195 \\ 5 \overline{) 977} \\ \underline{975} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$977 \div 7 = 139 \text{ remainder } 4$$

$$\begin{array}{r} 139 \\ 7 \overline{) 977} \\ \underline{973} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$977 \div 11 = 88 \text{ remainder } 9$$

$$\begin{array}{r} 88 \\ 11 \overline{) 977} \\ \underline{968} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$977 \div 13 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 13 \overline{) 977} \\ \underline{975} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$977 \div 17 = 57 \text{ remainder } 8$$

$$\begin{array}{r} 57 \\ 17 \overline{) 977} \\ \underline{969} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$977 \div 19 = 51 \text{ remainder } 8$$

$$\begin{array}{r} 51 \\ 19 \overline{) 977} \\ \underline{969} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$977 \div 23 = 42 \text{ remainder } 11$$

$$\begin{array}{r} 42 \\ 23 \overline{) 977} \\ \underline{966} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$977 \div 29 = 33 \text{ remainder } 20$$

$$\begin{array}{r} 33 \\ 29 \overline{) 977} \\ \underline{957} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$977 \div 31 = 31 \text{ remainder } 16$$

$$\begin{array}{r} 31 \\ 31 \overline{) 977} \end{array}$$

961

---

16 ← remainder

## **P<sub>166</sub> 983**

$$983 \div 2 = 491 \text{ remainder } 1$$

$$\begin{array}{r} 491 \\ 2 \overline{) 983} \\ \underline{982} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$983 \div 3 = 327 \text{ remainder } 2$$

$$\begin{array}{r} 327 \\ 3 \overline{) 983} \\ \underline{981} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$983 \div 5 = 196 \text{ remainder } 3$$

$$\begin{array}{r} 196 \\ 5 \overline{) 983} \\ \underline{980} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$983 \div 7 = 140 \text{ remainder } 3$$

$$\begin{array}{r} 140 \\ 7 \overline{) 983} \\ \underline{980} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$983 \div 11 = 89 \text{ remainder } 4$$

$$\begin{array}{r} 89 \\ 11 \overline{) 983} \\ \underline{979} \\ 4 \end{array} \leftarrow \text{remainder}$$



$$983 \div 13 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 13 \overline{) 983} \\ \underline{975} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$983 \div 17 = 57 \text{ remainder } 14$$

$$\begin{array}{r} 57 \\ 17 \overline{) 983} \\ \underline{969} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$983 \div 19 = 51 \text{ remainder } 14$$

$$\begin{array}{r} 51 \\ 19 \overline{) 983} \\ \underline{969} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$983 \div 23 = 42 \text{ remainder } 17$$

$$\begin{array}{r} 42 \\ 23 \overline{) 983} \\ \underline{966} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$983 \div 29 = 33 \text{ remainder } 26$$

$$\begin{array}{r} 33 \\ 29 \overline{) 983} \\ \underline{957} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$983 \div 31 = 31 \text{ remainder } 22$$

$$\begin{array}{r} 31 \\ 31 \overline{) 983} \end{array}$$

961

---

22 ← remainder

## **P<sub>167</sub> 991**

$$991 \div 2 = 495 \text{ remainder } 1$$

$$\begin{array}{r} 495 \\ 2 \overline{) 991} \\ \underline{990} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$991 \div 3 = 330 \text{ remainder } 1$$

$$\begin{array}{r} 330 \\ 3 \overline{) 991} \\ \underline{990} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$991 \div 5 = 198 \text{ remainder } 1$$

$$\begin{array}{r} 198 \\ 5 \overline{) 991} \\ \underline{990} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$991 \div 7 = 141 \text{ remainder } 4$$

$$\begin{array}{r} 141 \\ 7 \overline{) 991} \\ \underline{987} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$991 \div 11 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 11 \overline{) 991} \\ \underline{990} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$991 \div 13 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 13 \overline{) 991} \\ \underline{988} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$991 \div 17 = 58 \text{ remainder } 5$$

$$\begin{array}{r} 58 \\ 17 \overline{) 991} \\ \underline{986} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$991 \div 19 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 19 \overline{) 991} \\ \underline{988} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$991 \div 23 = 43 \text{ remainder } 2$$

$$\begin{array}{r} 43 \\ 23 \overline{) 991} \\ \underline{989} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$991 \div 29 = 34 \text{ remainder } 5$$

$$\begin{array}{r} 34 \\ 29 \overline{) 991} \\ \underline{986} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$991 \div 31 = 31 \text{ remainder } 30$$

$$\begin{array}{r} 31 \\ 31 \overline{) 991} \end{array}$$

961

---

30 ← remainder

## **P<sub>168</sub> 997**

$$997 \div 2 = 498 \text{ remainder } 1$$

$$\begin{array}{r} 498 \\ 2 \overline{) 997} \\ \underline{996} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$997 \div 3 = 332 \text{ remainder } 1$$

$$\begin{array}{r} 332 \\ 3 \overline{) 997} \\ \underline{996} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$997 \div 5 = 199 \text{ remainder } 2$$

$$\begin{array}{r} 199 \\ 5 \overline{) 997} \\ \underline{995} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$997 \div 7 = 142 \text{ remainder } 3$$

$$\begin{array}{r} 142 \\ 7 \overline{) 997} \\ \underline{994} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$997 \div 11 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 11 \overline{) 997} \\ \underline{990} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$997 \div 13 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 13 \overline{) 997} \\ \underline{988} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$997 \div 17 = 58 \text{ remainder } 11$$

$$\begin{array}{r} 58 \\ 17 \overline{) 997} \\ \underline{986} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$997 \div 19 = 52 \text{ remainder } 9$$

$$\begin{array}{r} 52 \\ 19 \overline{) 997} \\ \underline{988} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$997 \div 23 = 43 \text{ remainder } 8$$

$$\begin{array}{r} 43 \\ 23 \overline{) 997} \\ \underline{989} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$997 \div 29 = 34 \text{ remainder } 11$$

$$\begin{array}{r} 34 \\ 29 \overline{) 997} \\ \underline{986} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$997 \div 31 = 32 \text{ remainder } 5$$

$$\begin{array}{r} 32 \\ 31 \overline{) 997} \end{array}$$

992

---

5 ← remainder



## **P<sub>169</sub> 1009**

$$1009 \div 2 = 504 \text{ remainder } 1$$

$$\begin{array}{r} 504 \\ 2 \overline{) 1009} \\ \underline{1008} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 3 = 336 \text{ remainder } 1$$

$$\begin{array}{r} 336 \\ 3 \overline{) 1009} \\ \underline{1008} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 5 = 201 \text{ remainder } 4$$

$$\begin{array}{r} 201 \\ 5 \overline{) 1009} \\ \underline{1005} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 7 = 144 \text{ remainder } 1$$

$$\begin{array}{r} 144 \\ 7 \overline{) 1009} \\ \underline{1008} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 11 = 91 \text{ remainder } 8$$

$$\begin{array}{r} 91 \\ 11 \overline{) 1009} \\ \underline{1001} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 13 = 77 \text{ remainder } 8$$

$$\begin{array}{r} 77 \\ 13 \overline{) 1009} \\ \underline{1001} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 17 = 59 \text{ remainder } 6$$

$$\begin{array}{r} 59 \\ 17 \overline{) 1009} \\ \underline{1003} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 19 = 53 \text{ remainder } 2$$

$$\begin{array}{r} 53 \\ 19 \overline{) 1009} \\ \underline{1007} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 23 = 43 \text{ remainder } 20$$

$$\begin{array}{r} 43 \\ 23 \overline{) 1009} \\ \underline{989} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 29 = 34 \text{ remainder } 23$$

$$\begin{array}{r} 34 \\ 29 \overline{) 1009} \\ \underline{986} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$1009 \div 31 = 32 \text{ remainder } 17$$

$$\begin{array}{r} 32 \\ 31 \overline{) 1009} \end{array}$$

992

-----

17 ← remainder

## **P<sub>170</sub> 1013**

$$1013 \div 2 = 506 \text{ remainder } 1$$

$$\begin{array}{r} 506 \\ 2 \overline{) 1013} \\ \underline{1012} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 3 = 337 \text{ remainder } 2$$

$$\begin{array}{r} 337 \\ 3 \overline{) 1013} \\ \underline{1011} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 5 = 202 \text{ remainder } 3$$

$$\begin{array}{r} 202 \\ 5 \overline{) 1013} \\ \underline{1010} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 7 = 144 \text{ remainder } 5$$

$$\begin{array}{r} 144 \\ 7 \overline{) 1013} \\ \underline{1008} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 11 = 92 \text{ remainder } 1$$

$$\begin{array}{r} 92 \\ 11 \overline{) 1013} \\ \underline{1012} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 13 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 13 \overline{) 1013} \\ \underline{1001} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 17 = 59 \text{ remainder } 10$$

$$\begin{array}{r} 59 \\ 17 \overline{) 1013} \\ \underline{1003} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 19 = 53 \text{ remainder } 6$$

$$\begin{array}{r} 53 \\ 19 \overline{) 1013} \\ \underline{1007} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 23 = 44 \text{ remainder } 1$$

$$\begin{array}{r} 44 \\ 23 \overline{) 1013} \\ \underline{1012} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 29 = 34 \text{ remainder } 27$$

$$\begin{array}{r} 34 \\ 29 \overline{) 1013} \\ \underline{986} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$1013 \div 31 = 32 \text{ remainder } 21$$

$$\begin{array}{r} 32 \\ 31 \overline{) 1013} \end{array}$$

992

-----

21 ← remainder

## **P<sub>171</sub> 1019**

$$1019 \div 2 = 509 \text{ remainder } 1$$

$$\begin{array}{r} 509 \\ 2 \overline{) 1019} \\ \underline{1018} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 3 = 339 \text{ remainder } 2$$

$$\begin{array}{r} 339 \\ 3 \overline{) 1019} \\ \underline{1017} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 5 = 203 \text{ remainder } 4$$

$$\begin{array}{r} 203 \\ 5 \overline{) 1019} \\ \underline{1015} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 7 = 145 \text{ remainder } 4$$

$$\begin{array}{r} 145 \\ 7 \overline{) 1019} \\ \underline{1015} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 11 = 92 \text{ remainder } 7$$

$$\begin{array}{r} 92 \\ 11 \overline{) 1019} \\ \underline{1012} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 13 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 13 \overline{) 1019} \\ \underline{1014} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 17 = 59 \text{ remainder } 16$$

$$\begin{array}{r} 59 \\ 17 \overline{) 1019} \\ \underline{1003} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 19 = 53 \text{ remainder } 12$$

$$\begin{array}{r} 53 \\ 19 \overline{) 1019} \\ \underline{1007} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 23 = 44 \text{ remainder } 7$$

$$\begin{array}{r} 44 \\ 23 \overline{) 1019} \\ \underline{1012} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 29 = 35 \text{ remainder } 4$$

$$\begin{array}{r} 35 \\ 29 \overline{) 1019} \\ \underline{1015} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1019 \div 31 = 32 \text{ remainder } 27$$

$$\begin{array}{r} 32 \\ 31 \overline{) 1019} \end{array}$$



992

-----

27 ← remainder

## **P<sub>172</sub> 1021**

$$1021 \div 2 = 510 \text{ remainder } 1$$

$$\begin{array}{r} 510 \\ 2 \mid \overline{1021} \\ \underline{1020} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1021 \div 3 = 340 \text{ remainder } 1$$

$$\begin{array}{r} 340 \\ 3 \mid \overline{1021} \\ \underline{1020} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1021 \div 5 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 204 \\ 5 \mid \overline{1021} \\ \underline{1020} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1021 \div 7 = 145 \text{ remainder } 6$$

$$\begin{array}{r} 145 \\ 7 \mid \overline{1021} \\ \underline{1015} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1021 \div 11 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 11 \mid \overline{1021} \\ \underline{1012} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1021 \div 13 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 13 \overline{) 1021} \\ \underline{1014} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1021 \div 17 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 17 \overline{) 1021} \\ \underline{1020} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1021 \div 19 = 53 \text{ remainder } 14$$

$$\begin{array}{r} 53 \\ 19 \overline{) 1021} \\ \underline{1007} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1021 \div 23 = 44 \text{ remainder } 9$$

$$\begin{array}{r} 44 \\ 23 \overline{) 1021} \\ \underline{1012} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1021 \div 29 = 35 \text{ remainder } 6$$

$$\begin{array}{r} 35 \\ 29 \overline{) 1021} \\ \underline{1015} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1021 \div 31 = 32 \text{ remainder } 29$$

$$\begin{array}{r} 32 \\ 31 \overline{) 1021} \end{array}$$

992

-----

29 ← remainder

## **P<sub>173</sub> 1031**

$$1031 \div 2 = 515 \text{ remainder } 1$$

$$\begin{array}{r} 515 \\ 2 \overline{) 1031} \\ \underline{1030} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 3 = 343 \text{ remainder } 2$$

$$\begin{array}{r} 343 \\ 3 \overline{) 1031} \\ \underline{1029} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 5 = 206 \text{ remainder } 1$$

$$\begin{array}{r} 206 \\ 5 \overline{) 1031} \\ \underline{1030} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 7 = 147 \text{ remainder } 2$$

$$\begin{array}{r} 147 \\ 7 \overline{) 1031} \\ \underline{1029} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 11 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 11 \overline{) 1031} \\ \underline{1023} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 13 = 79 \text{ remainder } 4$$

$$\begin{array}{r} 79 \\ 13 \overline{) 1031} \\ \underline{1027} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 17 = 60 \text{ remainder } 11$$

$$\begin{array}{r} 60 \\ 17 \overline{) 1031} \\ \underline{1020} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 19 = 54 \text{ remainder } 5$$

$$\begin{array}{r} 54 \\ 19 \overline{) 1031} \\ \underline{1026} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 23 = 44 \text{ remainder } 19$$

$$\begin{array}{r} 44 \\ 23 \overline{) 1031} \\ \underline{1012} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 29 = 35 \text{ remainder } 16$$

$$\begin{array}{r} 35 \\ 29 \overline{) 1031} \\ \underline{1015} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1031 \div 31 = 33 \text{ remainder } 8$$

$$\begin{array}{r} 33 \\ 31 \overline{) 1031} \end{array}$$

1023

----

8 ← remainder

## **P<sub>174</sub> 1033**

$$1033 \div 2 = 516 \text{ remainder } 1$$

$$\begin{array}{r} 516 \\ 2 \overline{) 1033} \\ \underline{1032} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 3 = 344 \text{ remainder } 1$$

$$\begin{array}{r} 344 \\ 3 \overline{) 1033} \\ \underline{1032} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 5 = 206 \text{ remainder } 3$$

$$\begin{array}{r} 206 \\ 5 \overline{) 1033} \\ \underline{1030} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 7 = 147 \text{ remainder } 4$$

$$\begin{array}{r} 147 \\ 7 \overline{) 1033} \\ \underline{1029} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 11 = 93 \text{ remainder } 10$$

$$\begin{array}{r} 93 \\ 11 \overline{) 1033} \\ \underline{1023} \\ 10 \end{array} \leftarrow \text{remainder}$$



$$1033 \div 13 = 79 \text{ remainder } 6$$

$$\begin{array}{r} 79 \\ 13 \overline{) 1033} \\ \underline{1027} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 17 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 17 \overline{) 1033} \\ \underline{1020} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 19 = 54 \text{ remainder } 7$$

$$\begin{array}{r} 54 \\ 19 \overline{) 1033} \\ \underline{1026} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 23 = 44 \text{ remainder } 21$$

$$\begin{array}{r} 44 \\ 23 \overline{) 1033} \\ \underline{1012} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 29 = 35 \text{ remainder } 18$$

$$\begin{array}{r} 35 \\ 29 \overline{) 1033} \\ \underline{1015} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1033 \div 31 = 33 \text{ remainder } 10$$

$$\begin{array}{r} 33 \\ 31 \overline{) 1033} \end{array}$$

1023

----

10 ← remainder

## **P<sub>175</sub> 1039**

$$1039 \div 2 = 519 \text{ remainder } 1$$

$$\begin{array}{r} 519 \\ 2 \overline{) 1039} \\ \underline{1038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 3 = 346 \text{ remainder } 1$$

$$\begin{array}{r} 346 \\ 3 \overline{) 1039} \\ \underline{1038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 5 = 207 \text{ remainder } 4$$

$$\begin{array}{r} 207 \\ 5 \overline{) 1039} \\ \underline{1035} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 7 = 148 \text{ remainder } 3$$

$$\begin{array}{r} 148 \\ 7 \overline{) 1039} \\ \underline{1036} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 11 = 94 \text{ remainder } 5$$

$$\begin{array}{r} 94 \\ 11 \overline{) 1039} \\ \underline{1034} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 13 = 79 \text{ remainder } 12$$

$$\begin{array}{r} 79 \\ 13 \overline{) 1039} \\ \underline{1027} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 17 = 61 \text{ remainder } 2$$

$$\begin{array}{r} 61 \\ 17 \overline{) 1039} \\ \underline{1037} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 19 = 54 \text{ remainder } 13$$

$$\begin{array}{r} 54 \\ 19 \overline{) 1039} \\ \underline{1026} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 23 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 23 \overline{) 1039} \\ \underline{1035} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 29 = 35 \text{ remainder } 24$$

$$\begin{array}{r} 35 \\ 29 \overline{) 1039} \\ \underline{1015} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$1039 \div 31 = 33 \text{ remainder } 16$$

$$\begin{array}{r} 33 \\ 31 \overline{) 1039} \end{array}$$

1023

----

16 ← remainder

## **P<sub>176</sub> 1049**

$$1049 \div 2 = 524 \text{ remainder } 1$$

$$\begin{array}{r} 524 \\ 2 \overline{) 1049} \\ \underline{1048} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 3 = 349 \text{ remainder } 2$$

$$\begin{array}{r} 349 \\ 3 \overline{) 1049} \\ \underline{1047} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 5 = 209 \text{ remainder } 4$$

$$\begin{array}{r} 209 \\ 5 \overline{) 1049} \\ \underline{1045} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 7 = 149 \text{ remainder } 6$$

$$\begin{array}{r} 149 \\ 7 \overline{) 1049} \\ \underline{1043} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 11 = 95 \text{ remainder } 4$$

$$\begin{array}{r} 95 \\ 11 \overline{) 1049} \\ \underline{1045} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 13 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 13 \overline{) 1049} \\ \underline{1040} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 17 = 61 \text{ remainder } 12$$

$$\begin{array}{r} 61 \\ 17 \overline{) 1049} \\ \underline{1037} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 19 = 55 \text{ remainder } 4$$

$$\begin{array}{r} 55 \\ 19 \overline{) 1049} \\ \underline{1045} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 23 = 45 \text{ remainder } 14$$

$$\begin{array}{r} 45 \\ 23 \overline{) 1049} \\ \underline{1035} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 29 = 36 \text{ remainder } 5$$

$$\begin{array}{r} 36 \\ 29 \overline{) 1049} \\ \underline{1044} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1049 \div 31 = 33 \text{ remainder } 26$$

$$\begin{array}{r} 33 \\ 31 \overline{) 1049} \end{array}$$

1023

----

26 ← remainder



## **P<sub>177</sub> 1051**

$$1051 \div 2 = 525 \text{ remainder } 1$$

$$\begin{array}{r} 525 \\ 2 \overline{) 1051} \\ \underline{1050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 3 = 350 \text{ remainder } 1$$

$$\begin{array}{r} 350 \\ 3 \overline{) 1051} \\ \underline{1050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 5 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 5 \overline{) 1051} \\ \underline{1050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 7 = 150 \text{ remainder } 1$$

$$\begin{array}{r} 150 \\ 7 \overline{) 1051} \\ \underline{1050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 11 = 95 \text{ remainder } 6$$

$$\begin{array}{r} 95 \\ 11 \overline{) 1051} \\ \underline{1045} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 13 = 80 \text{ remainder } 11$$

$$\begin{array}{r} 80 \\ 13 \overline{) 1051} \\ \underline{1040} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 17 = 61 \text{ remainder } 14$$

$$\begin{array}{r} 61 \\ 17 \overline{) 1051} \\ \underline{1037} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 19 = 55 \text{ remainder } 6$$

$$\begin{array}{r} 55 \\ 19 \overline{) 1051} \\ \underline{1045} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 23 = 45 \text{ remainder } 16$$

$$\begin{array}{r} 45 \\ 23 \overline{) 1051} \\ \underline{1035} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 29 = 36 \text{ remainder } 7$$

$$\begin{array}{r} 36 \\ 29 \overline{) 1051} \\ \underline{1044} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1051 \div 31 = 33 \text{ remainder } 28$$

$$\begin{array}{r} 33 \\ 31 \overline{) 1051} \end{array}$$

1023

----

28 ← remainder

## **P<sub>178</sub> 1061**

$$1061 \div 2 = 530 \text{ remainder } 1$$

$$\begin{array}{r} 530 \\ 2 \overline{) 1061} \\ \underline{1060} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 3 = 353 \text{ remainder } 2$$

$$\begin{array}{r} 353 \\ 3 \overline{) 1061} \\ \underline{1059} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 5 = 212 \text{ remainder } 1$$

$$\begin{array}{r} 212 \\ 5 \overline{) 1061} \\ \underline{1060} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 7 = 151 \text{ remainder } 4$$

$$\begin{array}{r} 151 \\ 7 \overline{) 1061} \\ \underline{1057} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 11 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 11 \overline{) 1061} \\ \underline{1056} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 13 = 81 \text{ remainder } 8$$

$$\begin{array}{r} 81 \\ 13 \overline{) 1061} \\ \underline{1053} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 17 = 62 \text{ remainder } 7$$

$$\begin{array}{r} 62 \\ 17 \overline{) 1061} \\ \underline{1054} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 19 = 55 \text{ remainder } 16$$

$$\begin{array}{r} 55 \\ 19 \overline{) 1061} \\ \underline{1045} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 23 = 46 \text{ remainder } 3$$

$$\begin{array}{r} 46 \\ 23 \overline{) 1061} \\ \underline{1058} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 29 = 36 \text{ remainder } 17$$

$$\begin{array}{r} 36 \\ 29 \overline{) 1061} \\ \underline{1044} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1061 \div 31 = 34 \text{ remainder } 7$$

$$\begin{array}{r} 34 \\ 31 \overline{) 1061} \end{array}$$

1054

----

7 ← remainder

## **P<sub>179</sub> 1063**

$$1063 \div 2 = 531 \text{ remainder } 1$$

$$\begin{array}{r} 531 \\ 2 \overline{) 1063} \\ \underline{1062} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 3 = 354 \text{ remainder } 1$$

$$\begin{array}{r} 354 \\ 3 \overline{) 1063} \\ \underline{1062} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 5 = 212 \text{ remainder } 3$$

$$\begin{array}{r} 212 \\ 5 \overline{) 1063} \\ \underline{1060} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 7 = 151 \text{ remainder } 6$$

$$\begin{array}{r} 151 \\ 7 \overline{) 1063} \\ \underline{1057} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 11 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 11 \overline{) 1063} \\ \underline{1056} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 13 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 13 \overline{) 1063} \\ \underline{1053} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 17 = 62 \text{ remainder } 9$$

$$\begin{array}{r} 62 \\ 17 \overline{) 1063} \\ \underline{1054} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 19 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 19 \overline{) 1063} \\ \underline{1045} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 23 = 46 \text{ remainder } 5$$

$$\begin{array}{r} 46 \\ 23 \overline{) 1063} \\ \underline{1058} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 29 = 36 \text{ remainder } 19$$

$$\begin{array}{r} 36 \\ 29 \overline{) 1063} \\ \underline{1044} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1063 \div 31 = 34 \text{ remainder } 9$$

$$\begin{array}{r} 34 \\ 31 \overline{) 1063} \end{array}$$



1054

----

9 ← remainder

## **P<sub>180</sub> 1069**

$$1069 \div 2 = 534 \text{ remainder } 1$$

$$\begin{array}{r} 534 \\ 2 \overline{) 1069} \\ \underline{1068} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 3 = 356 \text{ remainder } 1$$

$$\begin{array}{r} 356 \\ 3 \overline{) 1069} \\ \underline{1068} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 5 = 213 \text{ remainder } 4$$

$$\begin{array}{r} 213 \\ 5 \overline{) 1069} \\ \underline{1065} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 7 = 152 \text{ remainder } 5$$

$$\begin{array}{r} 152 \\ 7 \overline{) 1069} \\ \underline{1064} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 11 = 97 \text{ remainder } 2$$

$$\begin{array}{r} 97 \\ 11 \overline{) 1069} \\ \underline{1067} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 13 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 13 \overline{) 1069} \\ \underline{1066} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 17 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 17 \overline{) 1069} \\ \underline{1054} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 19 = 56 \text{ remainder } 5$$

$$\begin{array}{r} 56 \\ 19 \overline{) 1069} \\ \underline{1064} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 23 = 46 \text{ remainder } 11$$

$$\begin{array}{r} 46 \\ 23 \overline{) 1069} \\ \underline{1058} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 29 = 36 \text{ remainder } 25$$

$$\begin{array}{r} 36 \\ 29 \overline{) 1069} \\ \underline{1044} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$1069 \div 31 = 34 \text{ remainder } 15$$

$$\begin{array}{r} 34 \\ 31 \overline{) 1069} \end{array}$$

1054

----

15 ← remainder

## **P<sub>181</sub> 1087**

$$1087 \div 2 = 543 \text{ remainder } 1$$

$$\begin{array}{r} 543 \\ 2 \overline{) 1087} \\ \underline{1086} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 3 = 362 \text{ remainder } 1$$

$$\begin{array}{r} 362 \\ 3 \overline{) 1087} \\ \underline{1086} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 5 = 217 \text{ remainder } 2$$

$$\begin{array}{r} 217 \\ 5 \overline{) 1087} \\ \underline{1085} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 7 = 155 \text{ remainder } 2$$

$$\begin{array}{r} 155 \\ 7 \overline{) 1087} \\ \underline{1085} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 11 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 11 \overline{) 1087} \\ \underline{1078} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 13 = 83 \text{ remainder } 8$$

$$\begin{array}{r} 83 \\ 13 \overline{) 1087} \\ \underline{1079} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 17 = 63 \text{ remainder } 16$$

$$\begin{array}{r} 63 \\ 17 \overline{) 1087} \\ \underline{1071} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 19 = 57 \text{ remainder } 4$$

$$\begin{array}{r} 57 \\ 19 \overline{) 1087} \\ \underline{1083} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 23 = 47 \text{ remainder } 6$$

$$\begin{array}{r} 47 \\ 23 \overline{) 1087} \\ \underline{1081} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 29 = 37 \text{ remainder } 14$$

$$\begin{array}{r} 37 \\ 29 \overline{) 1087} \\ \underline{1073} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1087 \div 31 = 35 \text{ remainder } 2$$

$$\begin{array}{r} 35 \\ 31 \overline{) 1087} \end{array}$$

1085

----

2 ← remainder

## **P<sub>182</sub> 1091**

$$1091 \div 2 = 545 \text{ remainder } 1$$

$$\begin{array}{r} 545 \\ 2 \overline{) 1091} \\ \underline{1090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 3 = 363 \text{ remainder } 2$$

$$\begin{array}{r} 363 \\ 3 \overline{) 1091} \\ \underline{1089} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 5 = 218 \text{ remainder } 1$$

$$\begin{array}{r} 218 \\ 5 \overline{) 1091} \\ \underline{1090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 7 = 155 \text{ remainder } 6$$

$$\begin{array}{r} 155 \\ 7 \overline{) 1091} \\ \underline{1085} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 11 = 99 \text{ remainder } 2$$

$$\begin{array}{r} 99 \\ 11 \overline{) 1091} \\ \underline{1089} \\ 2 \end{array} \leftarrow \text{remainder}$$



$$1091 \div 13 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 13 \overline{) 1091} \\ \underline{1079} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 17 = 64 \text{ remainder } 3$$

$$\begin{array}{r} 64 \\ 17 \overline{) 1091} \\ \underline{1088} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 19 = 57 \text{ remainder } 8$$

$$\begin{array}{r} 57 \\ 19 \overline{) 1091} \\ \underline{1083} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 23 = 47 \text{ remainder } 10$$

$$\begin{array}{r} 47 \\ 23 \overline{) 1091} \\ \underline{1081} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 29 = 37 \text{ remainder } 18$$

$$\begin{array}{r} 37 \\ 29 \overline{) 1091} \\ \underline{1073} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1091 \div 31 = 35 \text{ remainder } 6$$

$$\begin{array}{r} 35 \\ 31 \overline{) 1091} \end{array}$$

1085

----

6 ← remainder

## **P<sub>183</sub> 1093**

$$1093 \div 2 = 546 \text{ remainder } 1$$

$$\begin{array}{r} 546 \\ 2 \overline{) 1093} \\ \underline{1092} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 3 = 364 \text{ remainder } 1$$

$$\begin{array}{r} 364 \\ 3 \overline{) 1093} \\ \underline{1092} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 5 = 218 \text{ remainder } 3$$

$$\begin{array}{r} 218 \\ 5 \overline{) 1093} \\ \underline{1090} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 7 = 156 \text{ remainder } 1$$

$$\begin{array}{r} 156 \\ 7 \overline{) 1093} \\ \underline{1092} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 11 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 11 \overline{) 1093} \\ \underline{1089} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 13 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 13 \overline{) 1093} \\ \underline{1092} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 17 = 64 \text{ remainder } 5$$

$$\begin{array}{r} 64 \\ 17 \overline{) 1093} \\ \underline{1088} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 19 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 19 \overline{) 1093} \\ \underline{1083} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 23 = 47 \text{ remainder } 12$$

$$\begin{array}{r} 47 \\ 23 \overline{) 1093} \\ \underline{1081} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 29 = 37 \text{ remainder } 20$$

$$\begin{array}{r} 37 \\ 29 \overline{) 1093} \\ \underline{1073} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1093 \div 31 = 35 \text{ remainder } 8$$

$$\begin{array}{r} 35 \\ 31 \overline{) 1093} \end{array}$$

1085

----

8 ← remainder

## **P<sub>184</sub> 1097**

$$1097 \div 2 = 548 \text{ remainder } 1$$

$$\begin{array}{r} 548 \\ 2 \overline{) 1097} \\ \underline{1096} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 3 = 365 \text{ remainder } 2$$

$$\begin{array}{r} 365 \\ 3 \overline{) 1097} \\ \underline{1095} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 5 = 219 \text{ remainder } 2$$

$$\begin{array}{r} 219 \\ 5 \overline{) 1097} \\ \underline{1095} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 7 = 156 \text{ remainder } 5$$

$$\begin{array}{r} 156 \\ 7 \overline{) 1097} \\ \underline{1092} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 11 = 99 \text{ remainder } 8$$

$$\begin{array}{r} 99 \\ 11 \overline{) 1097} \\ \underline{1089} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 13 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 13 \overline{) 1097} \\ \underline{1092} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 17 = 64 \text{ remainder } 9$$

$$\begin{array}{r} 64 \\ 17 \overline{) 1097} \\ \underline{1088} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 19 = 57 \text{ remainder } 14$$

$$\begin{array}{r} 57 \\ 19 \overline{) 1097} \\ \underline{1083} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 23 = 47 \text{ remainder } 16$$

$$\begin{array}{r} 47 \\ 23 \overline{) 1097} \\ \underline{1081} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 29 = 37 \text{ remainder } 24$$

$$\begin{array}{r} 37 \\ 29 \overline{) 1097} \\ \underline{1073} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$1097 \div 31 = 35 \text{ remainder } 12$$

$$\begin{array}{r} 35 \\ 31 \overline{) 1097} \end{array}$$

1085

-----

12 ← remainder



## **P<sub>185</sub> 1103**

$$1103 \div 2 = 551 \text{ remainder } 1$$

$$\begin{array}{r} 551 \\ 2 \overline{) 1103} \\ \underline{1102} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 3 = 367 \text{ remainder } 2$$

$$\begin{array}{r} 367 \\ 3 \overline{) 1103} \\ \underline{1101} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 5 = 220 \text{ remainder } 3$$

$$\begin{array}{r} 220 \\ 5 \overline{) 1103} \\ \underline{1100} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 7 = 157 \text{ remainder } 4$$

$$\begin{array}{r} 157 \\ 7 \overline{) 1103} \\ \underline{1099} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 11 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 11 \overline{) 1103} \\ \underline{1100} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 13 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 13 \overline{) 1103} \\ \underline{1092} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 17 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 17 \overline{) 1103} \\ \underline{1088} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 19 = 58 \text{ remainder } 1$$

$$\begin{array}{r} 58 \\ 19 \overline{) 1103} \\ \underline{1102} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 23 = 47 \text{ remainder } 22$$

$$\begin{array}{r} 47 \\ 23 \overline{) 1103} \\ \underline{1081} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 29 = 38 \text{ remainder } 1$$

$$\begin{array}{r} 38 \\ 29 \overline{) 1103} \\ \underline{1102} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1103 \div 31 = 35 \text{ remainder } 18$$

$$\begin{array}{r} 35 \\ 31 \overline{) 1103} \end{array}$$

1085

-----

18 ← remainder

## **P<sub>186</sub> 1109**

$$1109 \div 2 = 554 \text{ remainder } 1$$

$$\begin{array}{r} 554 \\ 2 \overline{) 1109} \\ \underline{1108} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 3 = 369 \text{ remainder } 2$$

$$\begin{array}{r} 369 \\ 3 \overline{) 1109} \\ \underline{1107} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 5 = 221 \text{ remainder } 4$$

$$\begin{array}{r} 221 \\ 5 \overline{) 1109} \\ \underline{1105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 7 = 158 \text{ remainder } 3$$

$$\begin{array}{r} 158 \\ 7 \overline{) 1109} \\ \underline{1106} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 11 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 11 \overline{) 1109} \\ \underline{1100} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 13 = 85 \text{ remainder } 4$$

$$\begin{array}{r} 85 \\ 13 \overline{) 1109} \\ \underline{1105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 17 = 65 \text{ remainder } 4$$

$$\begin{array}{r} 65 \\ 17 \overline{) 1109} \\ \underline{1105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 19 = 58 \text{ remainder } 7$$

$$\begin{array}{r} 58 \\ 19 \overline{) 1109} \\ \underline{1102} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 23 = 48 \text{ remainder } 5$$

$$\begin{array}{r} 48 \\ 23 \overline{) 1109} \\ \underline{1104} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 29 = 38 \text{ remainder } 7$$

$$\begin{array}{r} 38 \\ 29 \overline{) 1109} \\ \underline{1102} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1109 \div 31 = 35 \text{ remainder } 24$$

$$\begin{array}{r} 35 \\ 31 \overline{) 1109} \end{array}$$

1085

-----

24 ← remainder

## **P<sub>187</sub> 1117**

$$1117 \div 2 = 558 \text{ remainder } 1$$

$$\begin{array}{r} 558 \\ 2 \overline{) 1117} \\ \underline{1116} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 3 = 372 \text{ remainder } 1$$

$$\begin{array}{r} 372 \\ 3 \overline{) 1117} \\ \underline{1116} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 5 = 223 \text{ remainder } 2$$

$$\begin{array}{r} 223 \\ 5 \overline{) 1117} \\ \underline{1115} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 7 = 159 \text{ remainder } 4$$

$$\begin{array}{r} 159 \\ 7 \overline{) 1117} \\ \underline{1113} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 11 = 101 \text{ remainder } 6$$

$$\begin{array}{r} 101 \\ 11 \overline{) 1117} \\ \underline{1111} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 13 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 13 \overline{) 1117} \\ \underline{1105} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 17 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 17 \overline{) 1117} \\ \underline{1105} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 19 = 58 \text{ remainder } 15$$

$$\begin{array}{r} 58 \\ 19 \overline{) 1117} \\ \underline{1102} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 23 = 48 \text{ remainder } 13$$

$$\begin{array}{r} 48 \\ 23 \overline{) 1117} \\ \underline{1104} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 29 = 38 \text{ remainder } 15$$

$$\begin{array}{r} 38 \\ 29 \overline{) 1117} \\ \underline{1102} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1117 \div 31 = 36 \text{ remainder } 1$$

$$\begin{array}{r} 36 \\ 31 \overline{) 1117} \end{array}$$



1116

----

1 ← remainder

## **P<sub>188</sub> 1123**

$$1123 \div 2 = 561 \text{ remainder } 1$$

$$\begin{array}{r} 2 \mid \overline{1123} \overline{\phantom{00}} \\ \phantom{2 \mid } \overline{561} \overline{\phantom{00}} \\ \phantom{2 \mid } \underline{1122} \\ \phantom{2 \mid } \phantom{00} \text{----} \\ \phantom{2 \mid } 1 \leftarrow \text{remainder} \end{array}$$

$$1123 \div 3 = 374 \text{ remainder } 1$$

$$\begin{array}{r} 3 \mid \overline{1123} \overline{\phantom{00}} \\ \phantom{3 \mid } \overline{374} \overline{\phantom{00}} \\ \phantom{3 \mid } \underline{1122} \\ \phantom{3 \mid } \phantom{00} \text{----} \\ \phantom{3 \mid } 1 \leftarrow \text{remainder} \end{array}$$

$$1123 \div 5 = 224 \text{ remainder } 3$$

$$\begin{array}{r} 5 \mid \overline{1123} \overline{\phantom{00}} \\ \phantom{5 \mid } \overline{224} \overline{\phantom{00}} \\ \phantom{5 \mid } \underline{1120} \\ \phantom{5 \mid } \phantom{00} \text{----} \\ \phantom{5 \mid } 3 \leftarrow \text{remainder} \end{array}$$

$$1123 \div 7 = 160 \text{ remainder } 3$$

$$\begin{array}{r} 7 \mid \overline{1123} \overline{\phantom{00}} \\ \phantom{7 \mid } \overline{160} \overline{\phantom{00}} \\ \phantom{7 \mid } \underline{1120} \\ \phantom{7 \mid } \phantom{00} \text{----} \\ \phantom{7 \mid } 3 \leftarrow \text{remainder} \end{array}$$

$$1123 \div 11 = 102 \text{ remainder } 1$$

$$\begin{array}{r} 11 \mid \overline{1123} \overline{\phantom{00}} \\ \phantom{11 \mid } \overline{102} \overline{\phantom{00}} \\ \phantom{11 \mid } \underline{1122} \\ \phantom{11 \mid } \phantom{00} \text{----} \\ \phantom{11 \mid } 1 \leftarrow \text{remainder} \end{array}$$

$$1123 \div 13 = 86 \text{ remainder } 5$$

$$\begin{array}{r} 86 \\ 13 \overline{) 1123} \\ \underline{1118} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1123 \div 17 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 17 \overline{) 1123} \\ \underline{1122} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1123 \div 19 = 59 \text{ remainder } 2$$

$$\begin{array}{r} 59 \\ 19 \overline{) 1123} \\ \underline{1121} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1123 \div 23 = 48 \text{ remainder } 19$$

$$\begin{array}{r} 48 \\ 23 \overline{) 1123} \\ \underline{1104} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1123 \div 29 = 38 \text{ remainder } 21$$

$$\begin{array}{r} 38 \\ 29 \overline{) 1123} \\ \underline{1102} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1123 \div 31 = 36 \text{ remainder } 7$$

$$\begin{array}{r} 36 \\ 31 \overline{) 1123} \end{array}$$

1116

----

7 ← remainder

## **P<sub>189</sub> 1129**

$$1129 \div 2 = 564 \text{ remainder } 1$$

$$\begin{array}{r} 564 \\ 2 \overline{) 1129} \\ \underline{1128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 3 = 376 \text{ remainder } 1$$

$$\begin{array}{r} 376 \\ 3 \overline{) 1129} \\ \underline{1128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 5 = 225 \text{ remainder } 4$$

$$\begin{array}{r} 225 \\ 5 \overline{) 1129} \\ \underline{1125} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 7 = 161 \text{ remainder } 2$$

$$\begin{array}{r} 161 \\ 7 \overline{) 1129} \\ \underline{1127} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 11 = 102 \text{ remainder } 7$$

$$\begin{array}{r} 102 \\ 11 \overline{) 1129} \\ \underline{1122} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 13 = 86 \text{ remainder } 11$$

$$\begin{array}{r} 86 \\ 13 \overline{) 1129} \\ \underline{1118} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 17 = 66 \text{ remainder } 7$$

$$\begin{array}{r} 66 \\ 17 \overline{) 1129} \\ \underline{1122} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 19 = 59 \text{ remainder } 8$$

$$\begin{array}{r} 59 \\ 19 \overline{) 1129} \\ \underline{1121} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 23 = 49 \text{ remainder } 2$$

$$\begin{array}{r} 49 \\ 23 \overline{) 1129} \\ \underline{1127} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 29 = 38 \text{ remainder } 27$$

$$\begin{array}{r} 38 \\ 29 \overline{) 1129} \\ \underline{1102} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$1129 \div 31 = 36 \text{ remainder } 13$$

$$\begin{array}{r} 36 \\ 31 \overline{) 1129} \end{array}$$

1116

----

13 ← remainder

## **P<sub>190</sub> 1151**

$$1151 \div 2 = 575 \text{ remainder } 1$$

$$\begin{array}{r} 575 \\ 2 \overline{) 1151} \\ \underline{1150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 3 = 383 \text{ remainder } 2$$

$$\begin{array}{r} 383 \\ 3 \overline{) 1151} \\ \underline{1149} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 5 = 230 \text{ remainder } 1$$

$$\begin{array}{r} 230 \\ 5 \overline{) 1151} \\ \underline{1150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 7 = 164 \text{ remainder } 3$$

$$\begin{array}{r} 164 \\ 7 \overline{) 1151} \\ \underline{1148} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 11 = 104 \text{ remainder } 7$$

$$\begin{array}{r} 104 \\ 11 \overline{) 1151} \\ \underline{1144} \\ 7 \end{array} \leftarrow \text{remainder}$$



$$1151 \div 13 = 88 \text{ remainder } 7$$

$$\begin{array}{r} 88 \\ 13 \overline{) 1151} \\ \underline{1144} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 17 = 67 \text{ remainder } 12$$

$$\begin{array}{r} 67 \\ 17 \overline{) 1151} \\ \underline{1139} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 19 = 60 \text{ remainder } 11$$

$$\begin{array}{r} 60 \\ 19 \overline{) 1151} \\ \underline{1140} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 23 = 50 \text{ remainder } 1$$

$$\begin{array}{r} 50 \\ 23 \overline{) 1151} \\ \underline{1150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 29 = 39 \text{ remainder } 20$$

$$\begin{array}{r} 39 \\ 29 \overline{) 1151} \\ \underline{1131} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1151 \div 31 = 37 \text{ remainder } 4$$

$$\begin{array}{r} 37 \\ 31 \overline{) 1151} \end{array}$$

1147

----

4 ← remainder

## **P<sub>191</sub> 1153**

$$1153 \div 2 = 576 \text{ remainder } 1$$

$$\begin{array}{r} 576 \\ 2 \overline{) 1153} \\ \underline{1152} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 3 = 384 \text{ remainder } 1$$

$$\begin{array}{r} 384 \\ 3 \overline{) 1153} \\ \underline{1152} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 5 = 230 \text{ remainder } 3$$

$$\begin{array}{r} 230 \\ 5 \overline{) 1153} \\ \underline{1150} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 7 = 164 \text{ remainder } 5$$

$$\begin{array}{r} 164 \\ 7 \overline{) 1153} \\ \underline{1148} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 11 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 11 \overline{) 1153} \\ \underline{1144} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 13 = 88 \text{ remainder } 9$$

$$\begin{array}{r} 88 \\ 13 \overline{) 1153} \\ \underline{1144} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 17 = 67 \text{ remainder } 14$$

$$\begin{array}{r} 67 \\ 17 \overline{) 1153} \\ \underline{1139} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 19 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 19 \overline{) 1153} \\ \underline{1140} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 23 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 23 \overline{) 1153} \\ \underline{1150} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 29 = 39 \text{ remainder } 22$$

$$\begin{array}{r} 39 \\ 29 \overline{) 1153} \\ \underline{1131} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1153 \div 31 = 37 \text{ remainder } 6$$

$$\begin{array}{r} 37 \\ 31 \overline{) 1153} \end{array}$$

1147

----

6 ← remainder

## **P<sub>192</sub> 1163**

$$1163 \div 2 = 581 \text{ remainder } 1$$

$$\begin{array}{r} 581 \\ 2 \overline{) 1163} \\ \underline{1162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 3 = 387 \text{ remainder } 2$$

$$\begin{array}{r} 387 \\ 3 \overline{) 1163} \\ \underline{1161} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 5 = 232 \text{ remainder } 3$$

$$\begin{array}{r} 232 \\ 5 \overline{) 1163} \\ \underline{1160} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 7 = 166 \text{ remainder } 1$$

$$\begin{array}{r} 166 \\ 7 \overline{) 1163} \\ \underline{1162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 11 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 11 \overline{) 1163} \\ \underline{1155} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 13 = 89 \text{ remainder } 6$$

$$\begin{array}{r} 89 \\ 13 \overline{) 1163} \\ \underline{1157} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 17 = 68 \text{ remainder } 7$$

$$\begin{array}{r} 68 \\ 17 \overline{) 1163} \\ \underline{1156} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 19 = 61 \text{ remainder } 4$$

$$\begin{array}{r} 61 \\ 19 \overline{) 1163} \\ \underline{1159} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 23 = 50 \text{ remainder } 13$$

$$\begin{array}{r} 50 \\ 23 \overline{) 1163} \\ \underline{1150} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 29 = 40 \text{ remainder } 3$$

$$\begin{array}{r} 40 \\ 29 \overline{) 1163} \\ \underline{1160} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1163 \div 31 = 37 \text{ remainder } 16$$

$$\begin{array}{r} 37 \\ 31 \overline{) 1163} \end{array}$$

1147

-----

16 ← remainder



## **P<sub>193</sub> 1171**

$$1171 \div 2 = 585 \text{ remainder } 1$$

$$\begin{array}{r} 585 \\ 2 \overline{) 1171} \\ \underline{1170} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 3 = 390 \text{ remainder } 1$$

$$\begin{array}{r} 390 \\ 3 \overline{) 1171} \\ \underline{1170} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 5 = 234 \text{ remainder } 1$$

$$\begin{array}{r} 234 \\ 5 \overline{) 1171} \\ \underline{1170} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 7 = 167 \text{ remainder } 2$$

$$\begin{array}{r} 167 \\ 7 \overline{) 1171} \\ \underline{1169} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 11 = 106 \text{ remainder } 5$$

$$\begin{array}{r} 106 \\ 11 \overline{) 1171} \\ \underline{1166} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 13 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 13 \overline{) 1171} \\ \underline{1170} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 17 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 17 \overline{) 1171} \\ \underline{1156} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 19 = 61 \text{ remainder } 12$$

$$\begin{array}{r} 61 \\ 19 \overline{) 1171} \\ \underline{1159} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 23 = 50 \text{ remainder } 21$$

$$\begin{array}{r} 50 \\ 23 \overline{) 1171} \\ \underline{1150} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 29 = 40 \text{ remainder } 11$$

$$\begin{array}{r} 40 \\ 29 \overline{) 1171} \\ \underline{1160} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1171 \div 31 = 37 \text{ remainder } 24$$

$$\begin{array}{r} 37 \\ 31 \overline{) 1171} \end{array}$$

1147

-----

24 ← remainder

## **P<sub>194</sub> 1181**

$$1181 \div 2 = 590 \text{ remainder } 1$$

$$\begin{array}{r} 590 \\ 2 \overline{) 1181} \\ \underline{1180} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 3 = 393 \text{ remainder } 2$$

$$\begin{array}{r} 393 \\ 3 \overline{) 1181} \\ \underline{1179} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 5 = 236 \text{ remainder } 1$$

$$\begin{array}{r} 236 \\ 5 \overline{) 1181} \\ \underline{1180} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 7 = 168 \text{ remainder } 5$$

$$\begin{array}{r} 168 \\ 7 \overline{) 1181} \\ \underline{1176} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 11 = 107 \text{ remainder } 4$$

$$\begin{array}{r} 107 \\ 11 \overline{) 1181} \\ \underline{1177} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 13 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 13 \overline{) 1181} \\ \underline{1170} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 17 = 69 \text{ remainder } 8$$

$$\begin{array}{r} 69 \\ 17 \overline{) 1181} \\ \underline{1173} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 19 = 62 \text{ remainder } 3$$

$$\begin{array}{r} 62 \\ 19 \overline{) 1181} \\ \underline{1178} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 23 = 51 \text{ remainder } 8$$

$$\begin{array}{r} 51 \\ 23 \overline{) 1181} \\ \underline{1173} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 29 = 40 \text{ remainder } 21$$

$$\begin{array}{r} 40 \\ 29 \overline{) 1181} \\ \underline{1160} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1181 \div 31 = 38 \text{ remainder } 3$$

$$\begin{array}{r} 38 \\ 31 \overline{) 1181} \end{array}$$

1178

----

3 ← remainder

## **P<sub>195</sub> 1187**

$$1187 \div 2 = 593 \text{ remainder } 1$$

$$\begin{array}{r} 593 \\ 2 \overline{) 1187} \\ \underline{1186} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 3 = 395 \text{ remainder } 2$$

$$\begin{array}{r} 395 \\ 3 \overline{) 1187} \\ \underline{1185} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 5 = 237 \text{ remainder } 2$$

$$\begin{array}{r} 237 \\ 5 \overline{) 1187} \\ \underline{1185} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 7 = 169 \text{ remainder } 4$$

$$\begin{array}{r} 169 \\ 7 \overline{) 1187} \\ \underline{1183} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 11 = 107 \text{ remainder } 10$$

$$\begin{array}{r} 107 \\ 11 \overline{) 1187} \\ \underline{1177} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 13 = 91 \text{ remainder } 4$$

$$\begin{array}{r} 91 \\ 13 \overline{) 1187} \\ \underline{1183} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 17 = 69 \text{ remainder } 14$$

$$\begin{array}{r} 69 \\ 17 \overline{) 1187} \\ \underline{1173} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 19 = 62 \text{ remainder } 9$$

$$\begin{array}{r} 62 \\ 19 \overline{) 1187} \\ \underline{1178} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 23 = 51 \text{ remainder } 14$$

$$\begin{array}{r} 51 \\ 23 \overline{) 1187} \\ \underline{1173} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 29 = 40 \text{ remainder } 27$$

$$\begin{array}{r} 40 \\ 29 \overline{) 1187} \\ \underline{1160} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$1187 \div 31 = 38 \text{ remainder } 9$$

$$\begin{array}{r} 38 \\ 31 \overline{) 1187} \end{array}$$



1178

----

9 ← remainder

## **P<sub>196</sub> 1193**

$$1193 \div 2 = 596 \text{ remainder } 1$$

$$\begin{array}{r} 596 \\ 2 \overline{) 1193} \\ \underline{1192} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 3 = 397 \text{ remainder } 2$$

$$\begin{array}{r} 397 \\ 3 \overline{) 1193} \\ \underline{1191} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 5 = 238 \text{ remainder } 3$$

$$\begin{array}{r} 238 \\ 5 \overline{) 1193} \\ \underline{1190} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 7 = 170 \text{ remainder } 3$$

$$\begin{array}{r} 170 \\ 7 \overline{) 1193} \\ \underline{1190} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 11 = 108 \text{ remainder } 5$$

$$\begin{array}{r} 108 \\ 11 \overline{) 1193} \\ \underline{1188} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 13 = 91 \text{ remainder } 10$$

$$\begin{array}{r} 91 \\ 13 \overline{) 1193} \\ \underline{1183} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 17 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 17 \overline{) 1193} \\ \underline{1190} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 19 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 19 \overline{) 1193} \\ \underline{1178} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 23 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 23 \overline{) 1193} \\ \underline{1173} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 29 = 41 \text{ remainder } 4$$

$$\begin{array}{r} 41 \\ 29 \overline{) 1193} \\ \underline{1189} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1193 \div 31 = 38 \text{ remainder } 15$$

$$\begin{array}{r} 38 \\ 31 \overline{) 1193} \end{array}$$

1178

----

15 ← remainder

## **P<sub>197</sub> 1201**

$$1201 \div 2 = 600 \text{ remainder } 1$$

$$\begin{array}{r} 600 \\ 2 \mid \overline{1201} \phantom{00} \\ \underline{1200} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1201 \div 3 = 400 \text{ remainder } 1$$

$$\begin{array}{r} 400 \\ 3 \mid \overline{1201} \phantom{00} \\ \underline{1200} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1201 \div 5 = 240 \text{ remainder } 1$$

$$\begin{array}{r} 240 \\ 5 \mid \overline{1201} \phantom{00} \\ \underline{1200} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1201 \div 7 = 171 \text{ remainder } 4$$

$$\begin{array}{r} 171 \\ 7 \mid \overline{1201} \phantom{00} \\ \underline{1197} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1201 \div 11 = 109 \text{ remainder } 2$$

$$\begin{array}{r} 109 \\ 11 \mid \overline{1201} \phantom{00} \\ \underline{1199} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1201 \div 13 = 92 \text{ remainder } 5$$

$$\begin{array}{r} 92 \\ 13 \overline{) 1201} \\ \underline{1196} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1201 \div 17 = 70 \text{ remainder } 11$$

$$\begin{array}{r} 70 \\ 17 \overline{) 1201} \\ \underline{1190} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1201 \div 19 = 63 \text{ remainder } 4$$

$$\begin{array}{r} 63 \\ 19 \overline{) 1201} \\ \underline{1197} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1201 \div 23 = 52 \text{ remainder } 5$$

$$\begin{array}{r} 52 \\ 23 \overline{) 1201} \\ \underline{1196} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1201 \div 29 = 41 \text{ remainder } 12$$

$$\begin{array}{r} 41 \\ 29 \overline{) 1201} \\ \underline{1189} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1201 \div 31 = 38 \text{ remainder } 23$$

$$\begin{array}{r} 38 \\ 31 \overline{) 1201} \end{array}$$

1178

-----

23 ← remainder

## **P<sub>198</sub> 1213**

$$1213 \div 2 = 606 \text{ remainder } 1$$

$$\begin{array}{r} 606 \\ 2 \overline{) 1213} \\ \underline{1212} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 3 = 404 \text{ remainder } 1$$

$$\begin{array}{r} 404 \\ 3 \overline{) 1213} \\ \underline{1212} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 5 = 242 \text{ remainder } 3$$

$$\begin{array}{r} 242 \\ 5 \overline{) 1213} \\ \underline{1210} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 7 = 173 \text{ remainder } 2$$

$$\begin{array}{r} 173 \\ 7 \overline{) 1213} \\ \underline{1211} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 11 = 110 \text{ remainder } 3$$

$$\begin{array}{r} 110 \\ 11 \overline{) 1213} \\ \underline{1210} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$1213 \div 13 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 13 \overline{) 1213} \\ \underline{1209} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 17 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 17 \overline{) 1213} \\ \underline{1207} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 19 = 63 \text{ remainder } 16$$

$$\begin{array}{r} 63 \\ 19 \overline{) 1213} \\ \underline{1197} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 23 = 52 \text{ remainder } 17$$

$$\begin{array}{r} 52 \\ 23 \overline{) 1213} \\ \underline{1196} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 29 = 41 \text{ remainder } 24$$

$$\begin{array}{r} 41 \\ 29 \overline{) 1213} \\ \underline{1189} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$1213 \div 31 = 39 \text{ remainder } 4$$

$$\begin{array}{r} 39 \\ 31 \overline{) 1213} \end{array}$$

1209

----

4 ← remainder

## **P<sub>199</sub> 1217**

$$1217 \div 2 = 608 \text{ remainder } 1$$

$$\begin{array}{r} 608 \\ 2 \mid \overline{1217} \phantom{00} \\ \underline{1216} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1217 \div 3 = 405 \text{ remainder } 2$$

$$\begin{array}{r} 405 \\ 3 \mid \overline{1217} \phantom{00} \\ \underline{1215} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1217 \div 5 = 243 \text{ remainder } 2$$

$$\begin{array}{r} 243 \\ 5 \mid \overline{1217} \phantom{00} \\ \underline{1215} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1217 \div 7 = 173 \text{ remainder } 6$$

$$\begin{array}{r} 173 \\ 7 \mid \overline{1217} \phantom{00} \\ \underline{1211} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1217 \div 11 = 110 \text{ remainder } 7$$

$$\begin{array}{r} 110 \\ 11 \mid \overline{1217} \phantom{00} \\ \underline{1210} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1217 \div 13 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 13 \overline{) 1217} \\ \underline{1209} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1217 \div 17 = 71 \text{ remainder } 10$$

$$\begin{array}{r} 71 \\ 17 \overline{) 1217} \\ \underline{1207} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1217 \div 19 = 64 \text{ remainder } 1$$

$$\begin{array}{r} 64 \\ 19 \overline{) 1217} \\ \underline{1216} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1217 \div 23 = 52 \text{ remainder } 21$$

$$\begin{array}{r} 52 \\ 23 \overline{) 1217} \\ \underline{1196} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1217 \div 29 = 41 \text{ remainder } 28$$

$$\begin{array}{r} 41 \\ 29 \overline{) 1217} \\ \underline{1189} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$1217 \div 31 = 39 \text{ remainder } 8$$

$$\begin{array}{r} 39 \\ 31 \overline{) 1217} \end{array}$$

1209

----

8 ← remainder

## **P<sub>200</sub> 1223**

$$1223 \div 2 = 611 \text{ remainder } 1$$

$$\begin{array}{r} 611 \\ 2 \overline{) 1223} \\ \underline{1222} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 3 = 407 \text{ remainder } 2$$

$$\begin{array}{r} 407 \\ 3 \overline{) 1223} \\ \underline{1221} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 5 = 244 \text{ remainder } 3$$

$$\begin{array}{r} 244 \\ 5 \overline{) 1223} \\ \underline{1220} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 7 = 174 \text{ remainder } 5$$

$$\begin{array}{r} 174 \\ 7 \overline{) 1223} \\ \underline{1218} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 11 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 11 \overline{) 1223} \\ \underline{1221} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 13 = 94 \text{ remainder } 1$$

$$\begin{array}{r} 94 \\ 13 \overline{) 1223} \\ \underline{1222} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 17 = 71 \text{ remainder } 16$$

$$\begin{array}{r} 71 \\ 17 \overline{) 1223} \\ \underline{1207} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 19 = 64 \text{ remainder } 7$$

$$\begin{array}{r} 64 \\ 19 \overline{) 1223} \\ \underline{1216} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 23 = 53 \text{ remainder } 4$$

$$\begin{array}{r} 53 \\ 23 \overline{) 1223} \\ \underline{1219} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 29 = 42 \text{ remainder } 5$$

$$\begin{array}{r} 42 \\ 29 \overline{) 1223} \\ \underline{1218} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1223 \div 31 = 39 \text{ remainder } 14$$

$$\begin{array}{r} 39 \\ 31 \overline{) 1223} \end{array}$$

1209

-----

14 ← remainder



**P<sub>201</sub> 1229**

$$1229 \div 2 = 614 \text{ remainder } 1$$

$$\begin{array}{r} 614 \\ 2 \overline{) 1229} \\ \underline{1228} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1229 \div 3 = 409 \text{ remainder } 2$$

$$\begin{array}{r} 409 \\ 3 \overline{) 1229} \\ \underline{1227} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1229 \div 5 = 245 \text{ remainder } 4$$

$$\begin{array}{r} 245 \\ 5 \overline{) 1229} \\ \underline{1225} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1229 \div 7 = 175 \text{ remainder } 4$$

$$\begin{array}{r} 175 \\ 7 \overline{) 1229} \\ \underline{1225} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1229 \div 11 = 111 \text{ remainder } 8$$

$$\begin{array}{r} 11 \overline{) 1229} \\ \underline{1221} \phantom{0} \\ 8 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$1229 \div 13 = 94 \text{ remainder } 7$$

$$\begin{array}{r} 94 \\ 13 \overline{) 1229} \\ \underline{1222} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1229 \div 17 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 17 \overline{) 1229} \\ \underline{1224} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1229 \div 19 = 64 \text{ remainder } 13$$

$$\begin{array}{r} 64 \\ 19 \overline{) 1229} \\ \underline{1216} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1229 \div 23 = 53 \text{ remainder } 10$$

$$\begin{array}{r} 53 \\ 23 \overline{) 1229} \\ \underline{1219} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1229 \div 29 = 42 \text{ remainder } 11$$

$$\begin{array}{r} 42 \\ 29 \overline{) 1229} \\ \underline{1218} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1229 \div 31 = 39 \text{ remainder } 20$$

$$\begin{array}{r} 39 \\ 31 \overline{) 1229} \end{array}$$

1209

-----

20 ← remainder

## **P<sub>202</sub> 1231**

$$1231 \div 2 = 615 \text{ remainder } 1$$

$$\begin{array}{r} 615 \\ 2 \overline{) 1231} \\ \underline{1230} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 3 = 410 \text{ remainder } 1$$

$$\begin{array}{r} 410 \\ 3 \overline{) 1231} \\ \underline{1230} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 5 = 246 \text{ remainder } 1$$

$$\begin{array}{r} 246 \\ 5 \overline{) 1231} \\ \underline{1230} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 7 = 175 \text{ remainder } 6$$

$$\begin{array}{r} 175 \\ 7 \overline{) 1231} \\ \underline{1225} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 11 = 111 \text{ remainder } 10$$

$$\begin{array}{r} 111 \\ 11 \overline{) 1231} \\ \underline{1221} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 13 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 13 \overline{) 1231} \\ \underline{1222} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 17 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 17 \overline{) 1231} \\ \underline{1224} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 19 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 19 \overline{) 1231} \\ \underline{1216} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 23 = 53 \text{ remainder } 12$$

$$\begin{array}{r} 53 \\ 23 \overline{) 1231} \\ \underline{1219} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 29 = 42 \text{ remainder } 13$$

$$\begin{array}{r} 42 \\ 29 \overline{) 1231} \\ \underline{1218} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1231 \div 31 = 39 \text{ remainder } 22$$

$$\begin{array}{r} 39 \\ 31 \overline{) 1231} \end{array}$$

1209

-----

22 ← remainder

## **P<sub>203</sub> 1237**

$$1237 \div 2 = 618 \text{ remainder } 1$$

$$\begin{array}{r} 618 \\ 2 \mid \overline{1237} \phantom{00} \\ \underline{1236} \phantom{00} \\ \phantom{1} \phantom{00} \phantom{00} \phantom{00} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1237 \div 3 = 412 \text{ remainder } 1$$

$$\begin{array}{r} 412 \\ 3 \mid \overline{1237} \phantom{00} \\ \underline{1236} \phantom{00} \\ \phantom{1} \phantom{00} \phantom{00} \phantom{00} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1237 \div 5 = 247 \text{ remainder } 2$$

$$\begin{array}{r} 247 \\ 5 \mid \overline{1237} \phantom{00} \\ \underline{1235} \phantom{00} \\ \phantom{1} \phantom{00} \phantom{00} \phantom{00} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1237 \div 7 = 176 \text{ remainder } 5$$

$$\begin{array}{r} 176 \\ 7 \mid \overline{1237} \phantom{00} \\ \underline{1232} \phantom{00} \\ \phantom{1} \phantom{00} \phantom{00} \phantom{00} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$1237 \div 11 = 112 \text{ remainder } 5$$

$$\begin{array}{r} 112 \\ 11 \mid \overline{1237} \phantom{00} \\ \underline{1232} \phantom{00} \\ \phantom{1} \phantom{00} \phantom{00} \phantom{00} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$1237 \div 13 = 95 \text{ remainder } 2$$

$$\begin{array}{r} 95 \\ 13 \overline{) 1237} \\ \underline{1235} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1237 \div 17 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 17 \overline{) 1237} \\ \underline{1224} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1237 \div 19 = 65 \text{ remainder } 2$$

$$\begin{array}{r} 65 \\ 19 \overline{) 1237} \\ \underline{1235} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1237 \div 23 = 53 \text{ remainder } 18$$

$$\begin{array}{r} 53 \\ 23 \overline{) 1237} \\ \underline{1219} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1237 \div 29 = 42 \text{ remainder } 19$$

$$\begin{array}{r} 42 \\ 29 \overline{) 1237} \\ \underline{1218} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1237 \div 31 = 39 \text{ remainder } 28$$

$$\begin{array}{r} 39 \\ 31 \overline{) 1237} \end{array}$$



1209

-----

28 ← remainder

## **P<sub>204</sub> 1249**

$$1249 \div 2 = 624 \text{ remainder } 1$$

$$\begin{array}{r} 624 \\ 2 \overline{) 1249} \\ \underline{1248} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 3 = 416 \text{ remainder } 1$$

$$\begin{array}{r} 416 \\ 3 \overline{) 1249} \\ \underline{1248} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 5 = 249 \text{ remainder } 4$$

$$\begin{array}{r} 249 \\ 5 \overline{) 1249} \\ \underline{1245} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 7 = 178 \text{ remainder } 3$$

$$\begin{array}{r} 178 \\ 7 \overline{) 1249} \\ \underline{1246} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 11 = 113 \text{ remainder } 6$$

$$\begin{array}{r} 113 \\ 11 \overline{) 1249} \\ \underline{1243} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 13 = 96 \text{ remainder } 1$$

$$\begin{array}{r} 96 \\ 13 \overline{) 1249} \\ \underline{1248} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 17 = 73 \text{ remainder } 8$$

$$\begin{array}{r} 73 \\ 17 \overline{) 1249} \\ \underline{1241} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 19 = 65 \text{ remainder } 14$$

$$\begin{array}{r} 65 \\ 19 \overline{) 1249} \\ \underline{1235} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 23 = 54 \text{ remainder } 7$$

$$\begin{array}{r} 54 \\ 23 \overline{) 1249} \\ \underline{1242} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 29 = 43 \text{ remainder } 2$$

$$\begin{array}{r} 43 \\ 29 \overline{) 1249} \\ \underline{1247} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1249 \div 31 = 40 \text{ remainder } 9$$

$$\begin{array}{r} 40 \\ 31 \overline{) 1249} \end{array}$$

1240

----

9 ← remainder

## **P<sub>205</sub> 1259**

$$1259 \div 2 = 629 \text{ remainder } 1$$

$$\begin{array}{r} 629 \\ 2 \overline{) 1259} \\ \underline{1258} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 3 = 419 \text{ remainder } 2$$

$$\begin{array}{r} 419 \\ 3 \overline{) 1259} \\ \underline{1257} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 5 = 251 \text{ remainder } 4$$

$$\begin{array}{r} 251 \\ 5 \overline{) 1259} \\ \underline{1255} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 7 = 179 \text{ remainder } 6$$

$$\begin{array}{r} 179 \\ 7 \overline{) 1259} \\ \underline{1253} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 11 = 114 \text{ remainder } 5$$

$$\begin{array}{r} 114 \\ 11 \overline{) 1259} \\ \underline{1254} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 13 = 96 \text{ remainder } 11$$

$$\begin{array}{r} 96 \\ 13 \overline{) 1259} \\ \underline{1248} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 17 = 74 \text{ remainder } 1$$

$$\begin{array}{r} 74 \\ 17 \overline{) 1259} \\ \underline{1258} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 19 = 66 \text{ remainder } 5$$

$$\begin{array}{r} 66 \\ 19 \overline{) 1259} \\ \underline{1254} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 23 = 54 \text{ remainder } 17$$

$$\begin{array}{r} 54 \\ 23 \overline{) 1259} \\ \underline{1242} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 29 = 43 \text{ remainder } 12$$

$$\begin{array}{r} 43 \\ 29 \overline{) 1259} \\ \underline{1247} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1259 \div 31 = 40 \text{ remainder } 19$$

$$\begin{array}{r} 40 \\ 31 \overline{) 1259} \end{array}$$

1240

----

19 ← remainder

## **P<sub>206</sub> 1277**

$$1277 \div 2 = 638 \text{ remainder } 1$$

$$\begin{array}{r} 638 \\ 2 \overline{) 1277} \\ \underline{1276} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 3 = 425 \text{ remainder } 2$$

$$\begin{array}{r} 425 \\ 3 \overline{) 1277} \\ \underline{1275} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 5 = 255 \text{ remainder } 2$$

$$\begin{array}{r} 255 \\ 5 \overline{) 1277} \\ \underline{1275} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 7 = 182 \text{ remainder } 3$$

$$\begin{array}{r} 182 \\ 7 \overline{) 1277} \\ \underline{1274} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 11 = 116 \text{ remainder } 1$$

$$\begin{array}{r} 116 \\ 11 \overline{) 1277} \\ \underline{1276} \\ 1 \end{array} \leftarrow \text{remainder}$$



$$1277 \div 13 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 13 \overline{) 1277} \\ \underline{1274} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 17 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 17 \overline{) 1277} \\ \underline{1275} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 19 = 67 \text{ remainder } 4$$

$$\begin{array}{r} 67 \\ 19 \overline{) 1277} \\ \underline{1273} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 23 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 23 \overline{) 1277} \\ \underline{1265} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 29 = 44 \text{ remainder } 1$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1277} \\ \underline{1276} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1277 \div 31 = 41 \text{ remainder } 6$$

$$\begin{array}{r} 41 \\ 31 \overline{) 1277} \end{array}$$

1271

----

6 ← remainder

## **P<sub>207</sub> 1279**

$$1279 \div 2 = 639 \text{ remainder } 1$$

$$\begin{array}{r} 639 \\ 2 \overline{) 1279} \\ \underline{1278} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 3 = 426 \text{ remainder } 1$$

$$\begin{array}{r} 426 \\ 3 \overline{) 1279} \\ \underline{1278} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 5 = 255 \text{ remainder } 4$$

$$\begin{array}{r} 255 \\ 5 \overline{) 1279} \\ \underline{1275} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 7 = 182 \text{ remainder } 5$$

$$\begin{array}{r} 182 \\ 7 \overline{) 1279} \\ \underline{1274} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 11 = 116 \text{ remainder } 3$$

$$\begin{array}{r} 116 \\ 11 \overline{) 1279} \\ \underline{1276} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 13 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 13 \overline{) 1279} \\ \underline{1274} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 17 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 17 \overline{) 1279} \\ \underline{1275} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 19 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 19 \overline{) 1279} \\ \underline{1273} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 23 = 55 \text{ remainder } 14$$

$$\begin{array}{r} 55 \\ 23 \overline{) 1279} \\ \underline{1265} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 29 = 44 \text{ remainder } 3$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1279} \\ \underline{1276} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1279 \div 31 = 41 \text{ remainder } 8$$

$$\begin{array}{r} 41 \\ 31 \overline{) 1279} \end{array}$$

1271

----

8 ← remainder

## **P<sub>208</sub> 1283**

$$1283 \div 2 = 641 \text{ remainder } 1$$

$$\begin{array}{r} 641 \\ 2 \overline{) 1283} \\ \underline{1282} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1283 \div 3 = 427 \text{ remainder } 2$$

$$\begin{array}{r} 427 \\ 3 \overline{) 1283} \\ \underline{1281} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1283 \div 5 = 256 \text{ remainder } 3$$

$$\begin{array}{r} 256 \\ 5 \overline{) 1283} \\ \underline{1280} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1283 \div 7 = 183 \text{ remainder } 2$$

$$\begin{array}{r} 183 \\ 7 \overline{) 1283} \\ \underline{1281} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1283 \div 11 = 116 \text{ remainder } 7$$

$$\begin{array}{r} 116 \\ 11 \overline{) 1283} \\ \underline{1276} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1283 \div 13 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 13 \overline{) 1283} \\ \underline{1274} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1283 \div 17 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 17 \overline{) 1283} \\ \underline{1275} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1283 \div 19 = 67 \text{ remainder } 10$$

$$\begin{array}{r} 67 \\ 19 \overline{) 1283} \\ \underline{1273} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1283 \div 23 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 23 \overline{) 1283} \\ \underline{1265} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1283 \div 29 = 44 \text{ remainder } 7$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1283} \\ \underline{1276} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1283 \div 31 = 41 \text{ remainder } 12$$

$$\begin{array}{r} 41 \\ 31 \overline{) 1283} \end{array}$$

1271

----

12 ← remainder



## **P<sub>209</sub> 1289**

$$1289 \div 2 = 644 \text{ remainder } 1$$

$$\begin{array}{r} 644 \\ 2 \mid \overline{1289} \phantom{00} \\ \underline{1288} \phantom{00} \\ \phantom{12}89 \\ \phantom{12}88 \\ \phantom{12}89 \\ \phantom{12}88 \\ \phantom{12}89 \\ \phantom{12}88 \\ \phantom{12}89 \\ \phantom{12}88 \end{array}$$

1 ← remainder

$$1289 \div 3 = 429 \text{ remainder } 2$$

$$\begin{array}{r} 429 \\ 3 \mid \overline{1289} \phantom{00} \\ \underline{1287} \phantom{00} \\ \phantom{12}89 \\ \phantom{12}87 \\ \phantom{12}89 \\ \phantom{12}87 \\ \phantom{12}89 \\ \phantom{12}87 \end{array}$$

2 ← remainder

$$1289 \div 5 = 257 \text{ remainder } 4$$

$$\begin{array}{r} 257 \\ 5 \mid \overline{1289} \phantom{00} \\ \underline{1285} \phantom{00} \\ \phantom{12}89 \\ \phantom{12}85 \\ \phantom{12}89 \\ \phantom{12}85 \end{array}$$

4 ← remainder

$$1289 \div 7 = 184 \text{ remainder } 1$$

$$\begin{array}{r} 184 \\ 7 \mid \overline{1289} \phantom{00} \\ \underline{1288} \phantom{00} \\ \phantom{12}89 \\ \phantom{12}88 \\ \phantom{12}89 \\ \phantom{12}88 \end{array}$$

1 ← remainder

$$1289 \div 11 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 11 \mid \overline{1289} \phantom{00} \\ \underline{1287} \phantom{00} \\ \phantom{12}89 \\ \phantom{12}87 \\ \phantom{12}89 \\ \phantom{12}87 \end{array}$$

2 ← remainder

$$1289 \div 13 = 99 \text{ remainder } 2$$

$$\begin{array}{r} 99 \\ 13 \overline{) 1289} \\ \underline{1287} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1289 \div 17 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 17 \overline{) 1289} \\ \underline{1275} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1289 \div 19 = 67 \text{ remainder } 16$$

$$\begin{array}{r} 67 \\ 19 \overline{) 1289} \\ \underline{1273} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1289 \div 23 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1289} \\ \underline{1288} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1289 \div 29 = 44 \text{ remainder } 13$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1289} \\ \underline{1276} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1289 \div 31 = 41 \text{ remainder } 18$$

$$\begin{array}{r} 41 \\ 31 \overline{) 1289} \end{array}$$

1271

----

18 ← remainder

## **P<sub>210</sub> 1291**

$$1291 \div 2 = 645 \text{ remainder } 1$$

$$\begin{array}{r} 645 \\ 2 \overline{) 1291} \\ \underline{1290} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 3 = 430 \text{ remainder } 1$$

$$\begin{array}{r} 430 \\ 3 \overline{) 1291} \\ \underline{1290} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 5 = 258 \text{ remainder } 1$$

$$\begin{array}{r} 258 \\ 5 \overline{) 1291} \\ \underline{1290} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 7 = 184 \text{ remainder } 3$$

$$\begin{array}{r} 184 \\ 7 \overline{) 1291} \\ \underline{1288} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 11 = 117 \text{ remainder } 4$$

$$\begin{array}{r} 117 \\ 11 \overline{) 1291} \\ \underline{1287} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 13 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 13 \overline{) 1291} \\ \underline{1287} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 17 = 75 \text{ remainder } 16$$

$$\begin{array}{r} 75 \\ 17 \overline{) 1291} \\ \underline{1275} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 19 = 67 \text{ remainder } 18$$

$$\begin{array}{r} 67 \\ 19 \overline{) 1291} \\ \underline{1273} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 23 = 56 \text{ remainder } 3$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1291} \\ \underline{1288} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 29 = 44 \text{ remainder } 15$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1291} \\ \underline{1276} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1291 \div 31 = 41 \text{ remainder } 20$$

$$\begin{array}{r} 41 \\ 31 \overline{) 1291} \end{array}$$

1271

----

20 ← remainder

## **P<sub>211</sub> 1297**

$$1297 \div 2 = 648 \text{ remainder } 1$$

$$\begin{array}{r} 648 \\ 2 \overline{) 1297} \\ \underline{1296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 3 = 432 \text{ remainder } 1$$

$$\begin{array}{r} 432 \\ 3 \overline{) 1297} \\ \underline{1296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 5 = 259 \text{ remainder } 2$$

$$\begin{array}{r} 259 \\ 5 \overline{) 1297} \\ \underline{1295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 7 = 185 \text{ remainder } 2$$

$$\begin{array}{r} 185 \\ 7 \overline{) 1297} \\ \underline{1295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 11 = 117 \text{ remainder } 10$$

$$\begin{array}{r} 117 \\ 11 \overline{) 1297} \\ \underline{1287} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 13 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 13 \overline{) 1297} \\ \underline{1287} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 17 = 76 \text{ remainder } 5$$

$$\begin{array}{r} 76 \\ 17 \overline{) 1297} \\ \underline{1292} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 19 = 68 \text{ remainder } 5$$

$$\begin{array}{r} 68 \\ 19 \overline{) 1297} \\ \underline{1292} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 23 = 56 \text{ remainder } 9$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1297} \\ \underline{1288} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 29 = 44 \text{ remainder } 21$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1297} \\ \underline{1276} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1297 \div 31 = 41 \text{ remainder } 26$$

$$\begin{array}{r} 41 \\ 31 \overline{) 1297} \end{array}$$



1271

----

26 ← remainder

## **P<sub>212</sub> 1301**

$$1301 \div 2 = 650 \text{ remainder } 1$$

$$\begin{array}{r} 650 \\ 2 \overline{) 1301} \\ \underline{1300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 3 = 433 \text{ remainder } 2$$

$$\begin{array}{r} 433 \\ 3 \overline{) 1301} \\ \underline{1299} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 5 = 260 \text{ remainder } 1$$

$$\begin{array}{r} 260 \\ 5 \overline{) 1301} \\ \underline{1300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 7 = 185 \text{ remainder } 6$$

$$\begin{array}{r} 185 \\ 7 \overline{) 1301} \\ \underline{1295} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 11 = 118 \text{ remainder } 3$$

$$\begin{array}{r} 118 \\ 11 \overline{) 1301} \\ \underline{1298} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 13 = 100 \text{ remainder } 1$$

$$\begin{array}{r} 100 \\ 13 \overline{) 1301} \\ \underline{1300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 17 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 17 \overline{) 1301} \\ \underline{1292} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 19 = 68 \text{ remainder } 9$$

$$\begin{array}{r} 68 \\ 19 \overline{) 1301} \\ \underline{1292} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 23 = 56 \text{ remainder } 13$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1301} \\ \underline{1288} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 29 = 44 \text{ remainder } 25$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1301} \\ \underline{1276} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$1301 \div 31 = 41 \text{ remainder } 30$$

$$\begin{array}{r} 41 \\ 31 \overline{) 1301} \end{array}$$

1271

----

30 ← remainder

## **P<sub>213</sub> 1303**

$$1303 \div 2 = 651 \text{ remainder } 1$$

$$\begin{array}{r} 651 \\ 2 \overline{) 1303} \\ \underline{1302} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 3 = 434 \text{ remainder } 1$$

$$\begin{array}{r} 434 \\ 3 \overline{) 1303} \\ \underline{1302} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 5 = 260 \text{ remainder } 3$$

$$\begin{array}{r} 260 \\ 5 \overline{) 1303} \\ \underline{1300} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 7 = 186 \text{ remainder } 1$$

$$\begin{array}{r} 186 \\ 7 \overline{) 1303} \\ \underline{1302} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 11 = 118 \text{ remainder } 5$$

$$\begin{array}{r} 118 \\ 11 \overline{) 1303} \\ \underline{1298} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 13 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 13 \overline{) 1303} \\ \underline{1300} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 17 = 76 \text{ remainder } 11$$

$$\begin{array}{r} 76 \\ 17 \overline{) 1303} \\ \underline{1292} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 19 = 68 \text{ remainder } 11$$

$$\begin{array}{r} 68 \\ 19 \overline{) 1303} \\ \underline{1292} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 23 = 56 \text{ remainder } 15$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1303} \\ \underline{1288} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 29 = 44 \text{ remainder } 27$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1303} \\ \underline{1276} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$1303 \div 31 = 42 \text{ remainder } 1$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1303} \end{array}$$

1302

----

1 ← remainder

## **P<sub>214</sub> 1307**

$$1307 \div 2 = 653 \text{ remainder } 1$$

$$\begin{array}{r} 653 \\ 2 \overline{) 1307} \\ \underline{1306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 3 = 435 \text{ remainder } 2$$

$$\begin{array}{r} 435 \\ 3 \overline{) 1307} \\ \underline{1305} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 5 = 261 \text{ remainder } 2$$

$$\begin{array}{r} 261 \\ 5 \overline{) 1307} \\ \underline{1305} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 7 = 186 \text{ remainder } 5$$

$$\begin{array}{r} 186 \\ 7 \overline{) 1307} \\ \underline{1302} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 11 = 118 \text{ remainder } 9$$

$$\begin{array}{r} 118 \\ 11 \overline{) 1307} \\ \underline{1298} \\ 9 \end{array} \leftarrow \text{remainder}$$



$$1307 \div 13 = 100 \text{ remainder } 7$$

$$\begin{array}{r} 100 \\ 13 \overline{) 1307} \\ \underline{1300} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 17 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 17 \overline{) 1307} \\ \underline{1292} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 19 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 19 \overline{) 1307} \\ \underline{1292} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 23 = 56 \text{ remainder } 19$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1307} \\ \underline{1288} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 29 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 29 \overline{) 1307} \\ \underline{1305} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1307 \div 31 = 42 \text{ remainder } 5$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1307} \end{array}$$

1302

----

5 ← remainder

## **P<sub>215</sub> 1319**

$$1319 \div 2 = 659 \text{ remainder } 1$$

$$\begin{array}{r} 659 \\ 2 \overline{) 1319} \\ \underline{1318} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 3 = 439 \text{ remainder } 2$$

$$\begin{array}{r} 439 \\ 3 \overline{) 1319} \\ \underline{1317} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 5 = 263 \text{ remainder } 4$$

$$\begin{array}{r} 263 \\ 5 \overline{) 1319} \\ \underline{1315} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 7 = 188 \text{ remainder } 3$$

$$\begin{array}{r} 188 \\ 7 \overline{) 1319} \\ \underline{1316} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 11 = 119 \text{ remainder } 10$$

$$\begin{array}{r} 119 \\ 11 \overline{) 1319} \\ \underline{1309} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 13 = 101 \text{ remainder } 6$$

$$\begin{array}{r} 101 \\ 13 \overline{) 1319} \\ \underline{1313} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 17 = 77 \text{ remainder } 10$$

$$\begin{array}{r} 77 \\ 17 \overline{) 1319} \\ \underline{1309} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 19 = 69 \text{ remainder } 8$$

$$\begin{array}{r} 69 \\ 19 \overline{) 1319} \\ \underline{1311} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 23 = 57 \text{ remainder } 8$$

$$\begin{array}{r} 57 \\ 23 \overline{) 1319} \\ \underline{1311} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 29 = 45 \text{ remainder } 14$$

$$\begin{array}{r} 45 \\ 29 \overline{) 1319} \\ \underline{1305} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1319 \div 31 = 42 \text{ remainder } 17$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1319} \end{array}$$

1302

----

17 ← remainder

## **P<sub>216</sub> 1321**

$$1321 \div 2 = 660 \text{ remainder } 1$$

$$\begin{array}{r} 660 \\ 2 \mid \overline{1321} \phantom{00} \\ \underline{1320} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 3 = 440 \text{ remainder } 1$$

$$\begin{array}{r} 440 \\ 3 \mid \overline{1321} \phantom{00} \\ \underline{1320} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 5 = 264 \text{ remainder } 1$$

$$\begin{array}{r} 264 \\ 5 \mid \overline{1321} \phantom{00} \\ \underline{1320} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 7 = 188 \text{ remainder } 5$$

$$\begin{array}{r} 188 \\ 7 \mid \overline{1321} \phantom{00} \\ \underline{1316} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 11 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 11 \mid \overline{1321} \phantom{00} \\ \underline{1320} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 13 = 101 \text{ remainder } 8$$

$$\begin{array}{r} 101 \\ 13 \overline{) 1321} \\ \underline{1313} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 17 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 17 \overline{) 1321} \\ \underline{1309} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 19 = 69 \text{ remainder } 10$$

$$\begin{array}{r} 69 \\ 19 \overline{) 1321} \\ \underline{1311} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 23 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 23 \overline{) 1321} \\ \underline{1311} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 29 = 45 \text{ remainder } 16$$

$$\begin{array}{r} 45 \\ 29 \overline{) 1321} \\ \underline{1305} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1321 \div 31 = 42 \text{ remainder } 19$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1321} \end{array}$$

1302

----

19 ← remainder



## **P<sub>217</sub> 1327**

$$1327 \div 2 = 663 \text{ remainder } 1$$

$$\begin{array}{r} 663 \\ 2 \overline{) 1327} \\ \underline{1326} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 3 = 442 \text{ remainder } 1$$

$$\begin{array}{r} 442 \\ 3 \overline{) 1327} \\ \underline{1326} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 5 = 265 \text{ remainder } 2$$

$$\begin{array}{r} 265 \\ 5 \overline{) 1327} \\ \underline{1325} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 7 = 189 \text{ remainder } 4$$

$$\begin{array}{r} 189 \\ 7 \overline{) 1327} \\ \underline{1323} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 11 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 11 \overline{) 1327} \\ \underline{1320} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 13 = 102 \text{ remainder } 1$$

$$\begin{array}{r} 102 \\ 13 \overline{) 1327} \\ \underline{1326} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 17 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 17 \overline{) 1327} \\ \underline{1326} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 19 = 69 \text{ remainder } 16$$

$$\begin{array}{r} 69 \\ 19 \overline{) 1327} \\ \underline{1311} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 23 = 57 \text{ remainder } 16$$

$$\begin{array}{r} 57 \\ 23 \overline{) 1327} \\ \underline{1311} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 29 = 45 \text{ remainder } 22$$

$$\begin{array}{r} 45 \\ 29 \overline{) 1327} \\ \underline{1305} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1327 \div 31 = 42 \text{ remainder } 25$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1327} \end{array}$$

1302

-----

25 ← remainder

## **P<sub>218</sub> 1361**

$$1361 \div 2 = 680 \text{ remainder } 1$$

$$\begin{array}{r} 680 \\ 2 \overline{) 1361} \\ \underline{1360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 3 = 453 \text{ remainder } 2$$

$$\begin{array}{r} 453 \\ 3 \overline{) 1361} \\ \underline{1359} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 5 = 272 \text{ remainder } 1$$

$$\begin{array}{r} 272 \\ 5 \overline{) 1361} \\ \underline{1360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 7 = 194 \text{ remainder } 3$$

$$\begin{array}{r} 194 \\ 7 \overline{) 1361} \\ \underline{1358} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 11 = 123 \text{ remainder } 8$$

$$\begin{array}{r} 123 \\ 11 \overline{) 1361} \\ \underline{1353} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 13 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 13 \overline{) 1361} \\ \underline{1352} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 17 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 17 \overline{) 1361} \\ \underline{1360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 19 = 71 \text{ remainder } 12$$

$$\begin{array}{r} 71 \\ 19 \overline{) 1361} \\ \underline{1349} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 23 = 59 \text{ remainder } 4$$

$$\begin{array}{r} 59 \\ 23 \overline{) 1361} \\ \underline{1357} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 29 = 46 \text{ remainder } 27$$

$$\begin{array}{r} 46 \\ 29 \overline{) 1361} \\ \underline{1334} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$1361 \div 31 = 43 \text{ remainder } 28$$

$$\begin{array}{r} 43 \\ 31 \overline{) 1361} \end{array}$$

1333

----

28 ← remainder

## **P<sub>219</sub> 1367**

$$1367 \div 2 = 683 \text{ remainder } 1$$

$$\begin{array}{r} 683 \\ 2 \overline{) 1367} \\ \underline{1366} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 3 = 455 \text{ remainder } 2$$

$$\begin{array}{r} 455 \\ 3 \overline{) 1367} \\ \underline{1365} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 5 = 273 \text{ remainder } 2$$

$$\begin{array}{r} 273 \\ 5 \overline{) 1367} \\ \underline{1365} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 7 = 195 \text{ remainder } 2$$

$$\begin{array}{r} 195 \\ 7 \overline{) 1367} \\ \underline{1365} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 11 = 124 \text{ remainder } 3$$

$$\begin{array}{r} 124 \\ 11 \overline{) 1367} \\ \underline{1364} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 13 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 13 \overline{) 1367} \\ \underline{1365} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 17 = 80 \text{ remainder } 7$$

$$\begin{array}{r} 80 \\ 17 \overline{) 1367} \\ \underline{1360} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 19 = 71 \text{ remainder } 18$$

$$\begin{array}{r} 71 \\ 19 \overline{) 1367} \\ \underline{1349} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 23 = 59 \text{ remainder } 10$$

$$\begin{array}{r} 59 \\ 23 \overline{) 1367} \\ \underline{1357} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 29 = 47 \text{ remainder } 4$$

$$\begin{array}{r} 47 \\ 29 \overline{) 1367} \\ \underline{1363} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1367 \div 31 = 44 \text{ remainder } 3$$

$$\begin{array}{r} 44 \\ 31 \overline{) 1367} \end{array}$$



1364

----

3 ← remainder

## **P<sub>220</sub> 1373**

$$1373 \div 2 = 686 \text{ remainder } 1$$

$$\begin{array}{r} 686 \\ 2 \overline{) 1373} \\ \underline{1372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 3 = 457 \text{ remainder } 2$$

$$\begin{array}{r} 457 \\ 3 \overline{) 1373} \\ \underline{1371} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 5 = 274 \text{ remainder } 3$$

$$\begin{array}{r} 274 \\ 5 \overline{) 1373} \\ \underline{1370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 7 = 196 \text{ remainder } 1$$

$$\begin{array}{r} 196 \\ 7 \overline{) 1373} \\ \underline{1372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 11 = 124 \text{ remainder } 9$$

$$\begin{array}{r} 124 \\ 11 \overline{) 1373} \\ \underline{1364} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 13 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 13 \overline{) 1373} \\ \underline{1365} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 17 = 80 \text{ remainder } 13$$

$$\begin{array}{r} 80 \\ 17 \overline{) 1373} \\ \underline{1360} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 19 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 19 \overline{) 1373} \\ \underline{1368} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 23 = 59 \text{ remainder } 16$$

$$\begin{array}{r} 59 \\ 23 \overline{) 1373} \\ \underline{1357} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 29 = 47 \text{ remainder } 10$$

$$\begin{array}{r} 47 \\ 29 \overline{) 1373} \\ \underline{1363} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1373 \div 31 = 44 \text{ remainder } 9$$

$$\begin{array}{r} 44 \\ 31 \overline{) 1373} \end{array}$$

1364

----

9 ← remainder

$1373 \div 37 = 37 \text{ remainder } 4$

37 |  $\overline{1373}$   
1369

----

4 ← remainder

## **P<sub>221</sub> 1381**

$$1381 \div 2 = 690 \text{ remainder } 1$$

$$\begin{array}{r} 690 \\ 2 \overline{) 1381} \\ \underline{1380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 3 = 460 \text{ remainder } 1$$

$$\begin{array}{r} 460 \\ 3 \overline{) 1381} \\ \underline{1380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 5 = 276 \text{ remainder } 1$$

$$\begin{array}{r} 276 \\ 5 \overline{) 1381} \\ \underline{1380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 7 = 197 \text{ remainder } 2$$

$$\begin{array}{r} 197 \\ 7 \overline{) 1381} \\ \underline{1379} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 11 = 125 \text{ remainder } 6$$

$$\begin{array}{r} 125 \\ 11 \overline{) 1381} \\ \underline{1375} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 13 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 13 \overline{) 1381} \\ \underline{1378} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 17 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 17 \overline{) 1381} \\ \underline{1377} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 19 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 19 \overline{) 1381} \\ \underline{1368} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 23 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 23 \overline{) 1381} \\ \underline{1380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 29 = 47 \text{ remainder } 18$$

$$\begin{array}{r} 47 \\ 29 \overline{) 1381} \\ \underline{1363} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 31 = 44 \text{ remainder } 17$$

$$\begin{array}{r} 44 \\ 31 \overline{) 1381} \end{array}$$

1364

----

17 ← remainder

$1381 \div 37 = 37 \text{ remainder } 12$

37 |  $\overline{1381}$   
1369

----

12 ← remainder

## **P<sub>222</sub> 1399**

$$1399 \div 2 = 699 \text{ remainder } 1$$

$$\begin{array}{r} 699 \\ 2 \overline{) 1399} \\ \underline{1398} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1399 \div 3 = 466 \text{ remainder } 1$$

$$\begin{array}{r} 466 \\ 3 \overline{) 1399} \\ \underline{1398} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1399 \div 5 = 279 \text{ remainder } 4$$

$$\begin{array}{r} 279 \\ 5 \overline{) 1399} \\ \underline{1395} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1399 \div 7 = 199 \text{ remainder } 6$$

$$\begin{array}{r} 199 \\ 7 \overline{) 1399} \\ \underline{1393} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1399 \div 11 = 127 \text{ remainder } 2$$

$$\begin{array}{r} 127 \\ 11 \overline{) 1399} \\ \underline{1397} \\ 2 \end{array} \leftarrow \text{remainder}$$



$$1399 \div 13 = 107 \text{ remainder } 8$$

$$\begin{array}{r} 107 \\ 13 \overline{) 1399} \\ \underline{1391} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1399 \div 17 = 82 \text{ remainder } 5$$

$$\begin{array}{r} 82 \\ 17 \overline{) 1399} \\ \underline{1394} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1399 \div 19 = 73 \text{ remainder } 12$$

$$\begin{array}{r} 73 \\ 19 \overline{) 1399} \\ \underline{1387} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1399 \div 23 = 60 \text{ remainder } 19$$

$$\begin{array}{r} 60 \\ 23 \overline{) 1399} \\ \underline{1380} \phantom{00} \\ 19 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1399 \div 29 = 48 \text{ remainder } 7$$

$$\begin{array}{r} 48 \\ 29 \overline{) 1399} \\ \underline{1392} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1399 \div 31 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 31 \overline{) 1399} \end{array}$$

1395

----

4 ← remainder

$1399 \div 37 = 37 \text{ remainder } 30$

37 |  $\overline{1399}$   
     $\overline{1369}$

----

30 ← remainder

## **P<sub>223</sub> 1409**

$$1409 \div 2 = 704 \text{ remainder } 1$$

$$\begin{array}{r} 704 \\ 2 \overline{) 1409} \\ \underline{1408} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 3 = 469 \text{ remainder } 2$$

$$\begin{array}{r} 469 \\ 3 \overline{) 1409} \\ \underline{1407} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 5 = 281 \text{ remainder } 4$$

$$\begin{array}{r} 281 \\ 5 \overline{) 1409} \\ \underline{1405} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 7 = 201 \text{ remainder } 2$$

$$\begin{array}{r} 201 \\ 7 \overline{) 1409} \\ \underline{1407} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 11 = 128 \text{ remainder } 1$$

$$\begin{array}{r} 128 \\ 11 \overline{) 1409} \\ \underline{1408} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 13 = 108 \text{ remainder } 5$$

$$\begin{array}{r} 108 \\ 13 \overline{) 1409} \\ \underline{1404} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 17 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 17 \overline{) 1409} \\ \underline{1394} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 19 = 74 \text{ remainder } 3$$

$$\begin{array}{r} 74 \\ 19 \overline{) 1409} \\ \underline{1406} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 23 = 61 \text{ remainder } 6$$

$$\begin{array}{r} 61 \\ 23 \overline{) 1409} \\ \underline{1403} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 29 = 48 \text{ remainder } 17$$

$$\begin{array}{r} 48 \\ 29 \overline{) 1409} \\ \underline{1392} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1409 \div 31 = 45 \text{ remainder } 14$$

$$\begin{array}{r} 45 \\ 31 \overline{) 1409} \end{array}$$

1395

----

14 ← remainder

$$1409 \div 37 = 38 \text{ remainder } 3$$

$$\begin{array}{r} 38 \\ 37 \overline{) 1409} \\ \underline{1406} \end{array}$$

----

3 ← remainder

## **P<sub>224</sub> 1423**

$$1423 \div 2 = 711 \text{ remainder } 1$$

$$\begin{array}{r} 711 \\ 2 \overline{) 1423} \\ \underline{1422} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 3 = 474 \text{ remainder } 1$$

$$\begin{array}{r} 474 \\ 3 \overline{) 1423} \\ \underline{1422} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 5 = 284 \text{ remainder } 3$$

$$\begin{array}{r} 284 \\ 5 \overline{) 1423} \\ \underline{1420} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 7 = 203 \text{ remainder } 2$$

$$\begin{array}{r} 203 \\ 7 \overline{) 1423} \\ \underline{1421} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 11 = 129 \text{ remainder } 4$$

$$\begin{array}{r} 129 \\ 11 \overline{) 1423} \\ \underline{1419} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 13 = 109 \text{ remainder } 6$$

$$\begin{array}{r} 109 \\ 13 \overline{) 1423} \\ \underline{1417} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 17 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 17 \overline{) 1423} \\ \underline{1411} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 19 = 74 \text{ remainder } 17$$

$$\begin{array}{r} 74 \\ 19 \overline{) 1423} \\ \underline{1406} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 23 = 61 \text{ remainder } 20$$

$$\begin{array}{r} 61 \\ 23 \overline{) 1423} \\ \underline{1403} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 29 = 49 \text{ remainder } 2$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1423} \\ \underline{1421} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1423 \div 31 = 45 \text{ remainder } 28$$

$$\begin{array}{r} 45 \\ 31 \overline{) 1423} \end{array}$$

1395

-----

28 ← remainder

$$1423 \div 37 = 38 \text{ remainder } 17$$

$$\begin{array}{r} 38 \\ 37 \overline{) 1423} \\ \underline{1406} \end{array}$$

-----

17 ← remainder



## **P<sub>225</sub> 1427**

$$1427 \div 2 = 713 \text{ remainder } 1$$

$$\begin{array}{r} 713 \\ 2 \overline{) 1427} \\ \underline{1426} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 3 = 475 \text{ remainder } 2$$

$$\begin{array}{r} 475 \\ 3 \overline{) 1427} \\ \underline{1425} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 5 = 285 \text{ remainder } 2$$

$$\begin{array}{r} 285 \\ 5 \overline{) 1427} \\ \underline{1425} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 7 = 203 \text{ remainder } 6$$

$$\begin{array}{r} 203 \\ 7 \overline{) 1427} \\ \underline{1421} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 11 = 129 \text{ remainder } 8$$

$$\begin{array}{r} 129 \\ 11 \overline{) 1427} \\ \underline{1419} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 13 = 109 \text{ remainder } 10$$

$$\begin{array}{r} 109 \\ 13 \overline{) 1427} \\ \underline{1417} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 17 = 83 \text{ remainder } 16$$

$$\begin{array}{r} 83 \\ 17 \overline{) 1427} \\ \underline{1411} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 19 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 19 \overline{) 1427} \\ \underline{1425} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 23 = 62 \text{ remainder } 1$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1427} \\ \underline{1426} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 29 = 49 \text{ remainder } 6$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1427} \\ \underline{1421} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1427 \div 31 = 46 \text{ remainder } 1$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1427} \end{array}$$

1426

----

1 ← remainder

$1427 \div 37 = 38 \text{ remainder } 21$

37 |  $\overline{1427}$   
1406

----

21 ← remainder

## **P<sub>226</sub> 1429**

$$1429 \div 2 = 714 \text{ remainder } 1$$

$$\begin{array}{r} 714 \\ 2 \overline{) 1429} \\ \underline{1428} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 3 = 476 \text{ remainder } 1$$

$$\begin{array}{r} 476 \\ 3 \overline{) 1429} \\ \underline{1428} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 5 = 285 \text{ remainder } 4$$

$$\begin{array}{r} 285 \\ 5 \overline{) 1429} \\ \underline{1425} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 7 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 204 \\ 7 \overline{) 1429} \\ \underline{1428} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 11 = 129 \text{ remainder } 10$$

$$\begin{array}{r} 129 \\ 11 \overline{) 1429} \\ \underline{1419} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 13 = 109 \text{ remainder } 12$$

$$\begin{array}{r} 109 \\ 13 \overline{) 1429} \\ \underline{1417} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 17 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 17 \overline{) 1429} \\ \underline{1428} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 19 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 19 \overline{) 1429} \\ \underline{1425} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 23 = 62 \text{ remainder } 3$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1429} \\ \underline{1426} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 29 = 49 \text{ remainder } 8$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1429} \\ \underline{1421} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1429 \div 31 = 46 \text{ remainder } 3$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1429} \end{array}$$

1426

----

3 ← remainder

$1429 \div 37 = 38 \text{ remainder } 23$

37 |  $\overline{1429}$   
      38  
       $\overline{1406}$

----

23 ← remainder

## **P<sub>227</sub> 1433**

$$1433 \div 2 = 716 \text{ remainder } 1$$

$$\begin{array}{r} 716 \\ 2 \overline{) 1433} \\ \underline{1432} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 3 = 477 \text{ remainder } 2$$

$$\begin{array}{r} 477 \\ 3 \overline{) 1433} \\ \underline{1431} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 5 = 286 \text{ remainder } 3$$

$$\begin{array}{r} 286 \\ 5 \overline{) 1433} \\ \underline{1430} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 7 = 204 \text{ remainder } 5$$

$$\begin{array}{r} 204 \\ 7 \overline{) 1433} \\ \underline{1428} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 11 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 11 \overline{) 1433} \\ \underline{1430} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 13 = 110 \text{ remainder } 3$$

$$\begin{array}{r} 110 \\ 13 \overline{) 1433} \\ \underline{1430} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 17 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 17 \overline{) 1433} \\ \underline{1428} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 19 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 19 \overline{) 1433} \\ \underline{1425} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 23 = 62 \text{ remainder } 7$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1433} \\ \underline{1426} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 29 = 49 \text{ remainder } 12$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1433} \\ \underline{1421} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1433 \div 31 = 46 \text{ remainder } 7$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1433} \end{array}$$



1426

----

7 ← remainder

$1433 \div 37 = 38 \text{ remainder } 27$

37 |  $\overline{1433}$   
1406

----

27 ← remainder

## **P<sub>228</sub> 1439**

$$1439 \div 2 = 719 \text{ remainder } 1$$

$$\begin{array}{r} 719 \\ 2 \overline{) 1439} \\ \underline{1438} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 3 = 479 \text{ remainder } 2$$

$$\begin{array}{r} 479 \\ 3 \overline{) 1439} \\ \underline{1437} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 5 = 287 \text{ remainder } 4$$

$$\begin{array}{r} 287 \\ 5 \overline{) 1439} \\ \underline{1435} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 7 = 205 \text{ remainder } 4$$

$$\begin{array}{r} 205 \\ 7 \overline{) 1439} \\ \underline{1435} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 11 = 130 \text{ remainder } 9$$

$$\begin{array}{r} 130 \\ 11 \overline{) 1439} \\ \underline{1430} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 13 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 13 \overline{) 1439} \\ \underline{1430} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 17 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 17 \overline{) 1439} \\ \underline{1428} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 19 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 19 \overline{) 1439} \\ \underline{1425} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 23 = 62 \text{ remainder } 13$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1439} \\ \underline{1426} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 29 = 49 \text{ remainder } 18$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1439} \\ \underline{1421} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1439 \div 31 = 46 \text{ remainder } 13$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1439} \end{array}$$

1426

----

13 ← remainder

$1439 \div 37 = 38 \text{ remainder } 33$

37 |  $\overline{1439}$   
1406

----

33 ← remainder

## **P<sub>229</sub> 1447**

$$1447 \div 2 = 723 \text{ remainder } 1$$

$$\begin{array}{r} 723 \\ 2 \overline{) 1447} \\ \underline{1446} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 3 = 482 \text{ remainder } 1$$

$$\begin{array}{r} 482 \\ 3 \overline{) 1447} \\ \underline{1446} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 5 = 289 \text{ remainder } 2$$

$$\begin{array}{r} 289 \\ 5 \overline{) 1447} \\ \underline{1445} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 7 = 206 \text{ remainder } 5$$

$$\begin{array}{r} 206 \\ 7 \overline{) 1447} \\ \underline{1442} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 11 = 131 \text{ remainder } 6$$

$$\begin{array}{r} 131 \\ 11 \overline{) 1447} \\ \underline{1441} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 13 = 111 \text{ remainder } 4$$

$$\begin{array}{r} 111 \\ 13 \overline{) 1447} \\ \underline{1443} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 17 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 17 \overline{) 1447} \\ \underline{1445} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 19 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 19 \overline{) 1447} \\ \underline{1444} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 23 = 62 \text{ remainder } 21$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1447} \\ \underline{1426} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 29 = 49 \text{ remainder } 26$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1447} \\ \underline{1421} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$1447 \div 31 = 46 \text{ remainder } 21$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1447} \end{array}$$

1426

----

21 ← remainder

$1447 \div 37 = 39 \text{ remainder } 4$

37 |  $\overline{1447}$   
      39  
       $\overline{1443}$   
      1443

----

4 ← remainder

## **P<sub>230</sub> 1451**

$$1451 \div 2 = 725 \text{ remainder } 1$$

$$\begin{array}{r} 725 \\ 2 \overline{) 1451} \\ \underline{1450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1451 \div 3 = 483 \text{ remainder } 2$$

$$\begin{array}{r} 483 \\ 3 \overline{) 1451} \\ \underline{1449} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1451 \div 5 = 290 \text{ remainder } 1$$

$$\begin{array}{r} 290 \\ 5 \overline{) 1451} \\ \underline{1450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1451 \div 7 = 207 \text{ remainder } 2$$

$$\begin{array}{r} 207 \\ 7 \overline{) 1451} \\ \underline{1449} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1451 \div 11 = 131 \text{ remainder } 10$$

$$\begin{array}{r} 131 \\ 11 \overline{) 1451} \\ \underline{1441} \\ 10 \end{array} \leftarrow \text{remainder}$$



$$1451 \div 13 = 111 \text{ remainder } 8$$

$$\begin{array}{r} 111 \\ 13 \overline{) 1451} \\ \underline{1443} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1451 \div 17 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 17 \overline{) 1451} \\ \underline{1445} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1451 \div 19 = 76 \text{ remainder } 7$$

$$\begin{array}{r} 76 \\ 19 \overline{) 1451} \\ \underline{1444} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1451 \div 23 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 23 \overline{) 1451} \\ \underline{1449} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1451 \div 29 = 50 \text{ remainder } 1$$

$$\begin{array}{r} 50 \\ 29 \overline{) 1451} \\ \underline{1450} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1451 \div 31 = 46 \text{ remainder } 25$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1451} \end{array}$$

1426

----

25 ← remainder

$1451 \div 37 = 39 \text{ remainder } 8$

37 |  $\overset{39}{\overline{1451}}$   
1443

----

8 ← remainder

## **P<sub>231</sub> 1453**

$$1453 \div 2 = 726 \text{ remainder } 1$$

$$\begin{array}{r} 726 \\ 2 \overline{) 1453} \\ \underline{1452} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 3 = 484 \text{ remainder } 1$$

$$\begin{array}{r} 484 \\ 3 \overline{) 1453} \\ \underline{1452} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 5 = 290 \text{ remainder } 3$$

$$\begin{array}{r} 290 \\ 5 \overline{) 1453} \\ \underline{1450} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 7 = 207 \text{ remainder } 4$$

$$\begin{array}{r} 207 \\ 7 \overline{) 1453} \\ \underline{1449} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 11 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 11 \overline{) 1453} \\ \underline{1452} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 13 = 111 \text{ remainder } 10$$

$$\begin{array}{r} 111 \\ 13 \overline{) 1453} \\ \underline{1443} \phantom{0} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 17 = 85 \text{ remainder } 8$$

$$\begin{array}{r} 85 \\ 17 \overline{) 1453} \\ \underline{1445} \phantom{0} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 19 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 19 \overline{) 1453} \\ \underline{1444} \phantom{0} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 23 = 63 \text{ remainder } 4$$

$$\begin{array}{r} 63 \\ 23 \overline{) 1453} \\ \underline{1449} \phantom{0} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 29 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 29 \overline{) 1453} \\ \underline{1450} \phantom{0} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1453 \div 31 = 46 \text{ remainder } 27$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1453} \end{array}$$

1426

----

27 ← remainder

$1453 \div 37 = 39 \text{ remainder } 10$

37 |  $\overline{1453}$   
     $\overline{1443}$

----

10 ← remainder

## **P<sub>232</sub> 1459**

$$1459 \div 2 = 729 \text{ remainder } 1$$

$$\begin{array}{r} 729 \\ 2 \overline{) 1459} \\ \underline{1458} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 3 = 486 \text{ remainder } 1$$

$$\begin{array}{r} 486 \\ 3 \overline{) 1459} \\ \underline{1458} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 5 = 291 \text{ remainder } 4$$

$$\begin{array}{r} 291 \\ 5 \overline{) 1459} \\ \underline{1455} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 7 = 208 \text{ remainder } 3$$

$$\begin{array}{r} 208 \\ 7 \overline{) 1459} \\ \underline{1456} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 11 = 132 \text{ remainder } 7$$

$$\begin{array}{r} 132 \\ 11 \overline{) 1459} \\ \underline{1452} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 13 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 13 \overline{) 1459} \\ \underline{1456} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 17 = 85 \text{ remainder } 14$$

$$\begin{array}{r} 85 \\ 17 \overline{) 1459} \\ \underline{1445} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 19 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 19 \overline{) 1459} \\ \underline{1444} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 23 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 23 \overline{) 1459} \\ \underline{1449} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 29 = 50 \text{ remainder } 9$$

$$\begin{array}{r} 50 \\ 29 \overline{) 1459} \\ \underline{1450} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1459 \div 31 = 47 \text{ remainder } 2$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1459} \end{array}$$

1457

----

2 ← remainder

$1459 \div 37 = 39 \text{ remainder } 16$

37 |  $\overline{1459}$   
     $\overline{1443}$

----

16 ← remainder



## **P<sub>233</sub> 1471**

$$1471 \div 2 = 735 \text{ remainder } 1$$

$$\begin{array}{r} 735 \\ 2 \overline{) 1471} \\ \underline{1470} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 3 = 490 \text{ remainder } 1$$

$$\begin{array}{r} 490 \\ 3 \overline{) 1471} \\ \underline{1470} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 5 = 294 \text{ remainder } 1$$

$$\begin{array}{r} 294 \\ 5 \overline{) 1471} \\ \underline{1470} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 7 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 7 \overline{) 1471} \\ \underline{1470} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 11 = 133 \text{ remainder } 8$$

$$\begin{array}{r} 133 \\ 11 \overline{) 1471} \\ \underline{1463} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 13 = 113 \text{ remainder } 2$$

$$\begin{array}{r} 113 \\ 13 \overline{) 1471} \\ \underline{1469} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 17 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 17 \overline{) 1471} \\ \underline{1462} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 19 = 77 \text{ remainder } 8$$

$$\begin{array}{r} 77 \\ 19 \overline{) 1471} \\ \underline{1463} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 23 = 63 \text{ remainder } 22$$

$$\begin{array}{r} 63 \\ 23 \overline{) 1471} \\ \underline{1449} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 29 = 50 \text{ remainder } 21$$

$$\begin{array}{r} 50 \\ 29 \overline{) 1471} \\ \underline{1450} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 31 = 47 \text{ remainder } 14$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1471} \end{array}$$

1457

----

14 ← remainder

$$1471 \div 37 = 39 \text{ remainder } 28$$

$$\begin{array}{r} 39 \\ 37 \overline{) 1471} \\ \underline{1443} \end{array}$$

----

28 ← remainder

## **P<sub>234</sub> 1481**

$$1481 \div 2 = 740 \text{ remainder } 1$$

$$\begin{array}{r} 740 \\ 2 \overline{) 1481} \\ \underline{1480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 3 = 493 \text{ remainder } 2$$

$$\begin{array}{r} 493 \\ 3 \overline{) 1481} \\ \underline{1479} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 5 = 296 \text{ remainder } 1$$

$$\begin{array}{r} 296 \\ 5 \overline{) 1481} \\ \underline{1480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 7 = 211 \text{ remainder } 4$$

$$\begin{array}{r} 211 \\ 7 \overline{) 1481} \\ \underline{1477} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 11 = 134 \text{ remainder } 7$$

$$\begin{array}{r} 134 \\ 11 \overline{) 1481} \\ \underline{1474} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 13 = 113 \text{ remainder } 12$$

$$\begin{array}{r} 113 \\ 13 \overline{) 1481} \\ \underline{1469} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 17 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1481} \\ \underline{1479} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 19 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 19 \overline{) 1481} \\ \underline{1463} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 23 = 64 \text{ remainder } 9$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1481} \\ \underline{1472} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 29 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1481} \\ \underline{1479} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1481 \div 31 = 47 \text{ remainder } 24$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1481} \end{array}$$

1457

----

24 ← remainder

$$1481 \div 37 = 40 \text{ remainder } 1$$

$$\begin{array}{r} 40 \\ 37 \overline{) 1481} \\ \underline{1480} \end{array}$$

----

1 ← remainder

## **P<sub>235</sub> 1483**

$$1483 \div 2 = 741 \text{ remainder } 1$$

$$\begin{array}{r} 741 \\ 2 \overline{) 1483} \\ \underline{1482} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 3 = 494 \text{ remainder } 1$$

$$\begin{array}{r} 494 \\ 3 \overline{) 1483} \\ \underline{1482} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 5 = 296 \text{ remainder } 3$$

$$\begin{array}{r} 296 \\ 5 \overline{) 1483} \\ \underline{1480} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 7 = 211 \text{ remainder } 6$$

$$\begin{array}{r} 211 \\ 7 \overline{) 1483} \\ \underline{1477} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 11 = 134 \text{ remainder } 9$$

$$\begin{array}{r} 134 \\ 11 \overline{) 1483} \\ \underline{1474} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 13 = 114 \text{ remainder } 1$$

$$\begin{array}{r} 114 \\ 13 \overline{) 1483} \\ \underline{1482} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 17 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1483} \\ \underline{1479} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 19 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1483} \\ \underline{1482} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 23 = 64 \text{ remainder } 11$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1483} \\ \underline{1472} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 29 = 51 \text{ remainder } 4$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1483} \\ \underline{1479} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1483 \div 31 = 47 \text{ remainder } 26$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1483} \end{array}$$



1457

----

26 ← remainder

$$1483 \div 37 = 40 \text{ remainder } 3$$

$$\begin{array}{r} 40 \\ 37 \overline{) 1483} \\ \underline{1480} \end{array}$$

----

3 ← remainder

## **P<sub>236</sub> 1487**

$$1487 \div 2 = 743 \text{ remainder } 1$$

$$\begin{array}{r} 743 \\ 2 \overline{) 1487} \\ \underline{1486} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 3 = 495 \text{ remainder } 2$$

$$\begin{array}{r} 495 \\ 3 \overline{) 1487} \\ \underline{1485} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 5 = 297 \text{ remainder } 2$$

$$\begin{array}{r} 297 \\ 5 \overline{) 1487} \\ \underline{1485} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 7 = 212 \text{ remainder } 3$$

$$\begin{array}{r} 212 \\ 7 \overline{) 1487} \\ \underline{1484} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 11 = 135 \text{ remainder } 2$$

$$\begin{array}{r} 135 \\ 11 \overline{) 1487} \\ \underline{1485} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 13 = 114 \text{ remainder } 5$$

$$\begin{array}{r} 114 \\ 13 \overline{) 1487} \\ \underline{1482} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 17 = 87 \text{ remainder } 8$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1487} \\ \underline{1479} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 19 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1487} \\ \underline{1482} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 23 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1487} \\ \underline{1472} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 29 = 51 \text{ remainder } 8$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1487} \\ \underline{1479} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1487 \div 31 = 47 \text{ remainder } 30$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1487} \end{array}$$

1457

----

30 ← remainder

$$1487 \div 37 = 40 \text{ remainder } 7$$

$$\begin{array}{r} 40 \\ 37 \overline{) 1487} \\ \underline{1480} \end{array}$$

----

7 ← remainder

## **P<sub>237</sub> 1489**

$$1489 \div 2 = 744 \text{ remainder } 1$$

$$\begin{array}{r} 744 \\ 2 \overline{) 1489} \\ \underline{1488} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 3 = 496 \text{ remainder } 1$$

$$\begin{array}{r} 496 \\ 3 \overline{) 1489} \\ \underline{1488} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 5 = 297 \text{ remainder } 4$$

$$\begin{array}{r} 297 \\ 5 \overline{) 1489} \\ \underline{1485} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 7 = 212 \text{ remainder } 5$$

$$\begin{array}{r} 212 \\ 7 \overline{) 1489} \\ \underline{1484} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 11 = 135 \text{ remainder } 4$$

$$\begin{array}{r} 135 \\ 11 \overline{) 1489} \\ \underline{1485} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 13 = 114 \text{ remainder } 7$$

$$\begin{array}{r} 114 \\ 13 \overline{) 1489} \\ \underline{1482} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 17 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1489} \\ \underline{1479} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 19 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1489} \\ \underline{1482} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 23 = 64 \text{ remainder } 17$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1489} \\ \underline{1472} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 29 = 51 \text{ remainder } 10$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1489} \\ \underline{1479} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1489 \div 31 = 48 \text{ remainder } 1$$

$$\begin{array}{r} 48 \\ 31 \overline{) 1489} \end{array}$$

1488

----

1 ← remainder

$1489 \div 37 = 40 \text{ remainder } 9$

37 |  $\overset{40}{\overline{1489}}$   
1480

----

9 ← remainder

## **P<sub>238</sub> 1493**

$$1493 \div 2 = 746 \text{ remainder } 1$$

$$\begin{array}{r} 746 \\ 2 \overline{) 1493} \\ \underline{1492} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 3 = 497 \text{ remainder } 2$$

$$\begin{array}{r} 497 \\ 3 \overline{) 1493} \\ \underline{1491} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 5 = 298 \text{ remainder } 3$$

$$\begin{array}{r} 298 \\ 5 \overline{) 1493} \\ \underline{1490} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 7 = 213 \text{ remainder } 2$$

$$\begin{array}{r} 213 \\ 7 \overline{) 1493} \\ \underline{1491} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 11 = 135 \text{ remainder } 8$$

$$\begin{array}{r} 135 \\ 11 \overline{) 1493} \\ \underline{1485} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$1493 \div 13 = 114 \text{ remainder } 11$$

$$\begin{array}{r} 114 \\ 13 \overline{) 1493} \\ \underline{1482} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 17 = 87 \text{ remainder } 14$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1493} \\ \underline{1479} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 19 = 78 \text{ remainder } 11$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1493} \\ \underline{1482} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 23 = 64 \text{ remainder } 21$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1493} \\ \underline{1472} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 29 = 51 \text{ remainder } 14$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1493} \\ \underline{1479} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1493 \div 31 = 48 \text{ remainder } 5$$

$$\begin{array}{r} 48 \\ 31 \overline{) 1493} \end{array}$$

1488

----

5 ← remainder

$1493 \div 37 = 40 \text{ remainder } 13$

37 |  $\overset{40}{\overline{1493}}$   
1480

----

13 ← remainder

## **P<sub>239</sub> 1499**

$$1499 \div 2 = 749 \text{ remainder } 1$$

$$\begin{array}{r} 749 \\ 2 \overline{) 1499} \\ \underline{1498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 3 = 499 \text{ remainder } 2$$

$$\begin{array}{r} 499 \\ 3 \overline{) 1499} \\ \underline{1497} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 5 = 299 \text{ remainder } 4$$

$$\begin{array}{r} 299 \\ 5 \overline{) 1499} \\ \underline{1495} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 7 = 214 \text{ remainder } 1$$

$$\begin{array}{r} 214 \\ 7 \overline{) 1499} \\ \underline{1498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 11 = 136 \text{ remainder } 3$$

$$\begin{array}{r} 136 \\ 11 \overline{) 1499} \\ \underline{1496} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 13 = 115 \text{ remainder } 4$$

$$\begin{array}{r} 115 \\ 13 \overline{) 1499} \\ \underline{1495} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 17 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 17 \overline{) 1499} \\ \underline{1496} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 19 = 78 \text{ remainder } 17$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1499} \\ \underline{1482} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 23 = 65 \text{ remainder } 4$$

$$\begin{array}{r} 65 \\ 23 \overline{) 1499} \\ \underline{1495} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 29 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1499} \\ \underline{1479} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1499 \div 31 = 48 \text{ remainder } 11$$

$$\begin{array}{r} 48 \\ 31 \overline{) 1499} \end{array}$$

1488

----

11 ← remainder

$1499 \div 37 = 40 \text{ remainder } 19$

37 |  $\overset{40}{\overline{1499}}$   
1480

----

19 ← remainder

## **P<sub>240</sub> 1511**

$$1511 \div 2 = 755 \text{ remainder } 1$$

$$\begin{array}{r} 755 \\ 2 \overline{) 1511} \\ \underline{1510} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 3 = 503 \text{ remainder } 2$$

$$\begin{array}{r} 503 \\ 3 \overline{) 1511} \\ \underline{1509} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 5 = 302 \text{ remainder } 1$$

$$\begin{array}{r} 302 \\ 5 \overline{) 1511} \\ \underline{1510} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 7 = 215 \text{ remainder } 6$$

$$\begin{array}{r} 215 \\ 7 \overline{) 1511} \\ \underline{1505} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 11 = 137 \text{ remainder } 4$$

$$\begin{array}{r} 137 \\ 11 \overline{) 1511} \\ \underline{1507} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 13 = 116 \text{ remainder } 3$$

$$\begin{array}{r} 116 \\ 13 \overline{) 1511} \\ \underline{1508} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 17 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 17 \overline{) 1511} \\ \underline{1496} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 19 = 79 \text{ remainder } 10$$

$$\begin{array}{r} 79 \\ 19 \overline{) 1511} \\ \underline{1501} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 23 = 65 \text{ remainder } 16$$

$$\begin{array}{r} 65 \\ 23 \overline{) 1511} \\ \underline{1495} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 29 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 29 \overline{) 1511} \\ \underline{1508} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1511 \div 31 = 48 \text{ remainder } 23$$

$$\begin{array}{r} 48 \\ 31 \overline{) 1511} \end{array}$$

1488

----

23 ← remainder

$1511 \div 37 = 40 \text{ remainder } 31$

37 |  $\overline{1511}$   
40  
 $\overline{1480}$

----

31 ← remainder



## **P<sub>241</sub> 1523**

$$1523 \div 2 = 761 \text{ remainder } 1$$

$$\begin{array}{r} 761 \\ 2 \overline{) 1523} \\ \underline{1522} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 3 = 507 \text{ remainder } 2$$

$$\begin{array}{r} 507 \\ 3 \overline{) 1523} \\ \underline{1521} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 5 = 304 \text{ remainder } 3$$

$$\begin{array}{r} 304 \\ 5 \overline{) 1523} \\ \underline{1520} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 7 = 217 \text{ remainder } 4$$

$$\begin{array}{r} 217 \\ 7 \overline{) 1523} \\ \underline{1519} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 11 = 138 \text{ remainder } 5$$

$$\begin{array}{r} 138 \\ 11 \overline{) 1523} \\ \underline{1518} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 13 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 13 \overline{) 1523} \\ \underline{1521} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 17 = 89 \text{ remainder } 10$$

$$\begin{array}{r} 89 \\ 17 \overline{) 1523} \\ \underline{1513} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 19 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 19 \overline{) 1523} \\ \underline{1520} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 23 = 66 \text{ remainder } 5$$

$$\begin{array}{r} 66 \\ 23 \overline{) 1523} \\ \underline{1518} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 29 = 52 \text{ remainder } 15$$

$$\begin{array}{r} 52 \\ 29 \overline{) 1523} \\ \underline{1508} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1523 \div 31 = 49 \text{ remainder } 4$$

$$\begin{array}{r} 49 \\ 31 \overline{) 1523} \end{array}$$

1519

----

4 ← remainder

$1523 \div 37 = 41 \text{ remainder } 6$

37 |  $\overline{1523}$   
    41  
    1517

----

6 ← remainder

## **P<sub>242</sub> 1531**

$$1531 \div 2 = 765 \text{ remainder } 1$$

$$\begin{array}{r} 765 \\ 2 \overline{) 1531} \\ \underline{1530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 3 = 510 \text{ remainder } 1$$

$$\begin{array}{r} 510 \\ 3 \overline{) 1531} \\ \underline{1530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 5 = 306 \text{ remainder } 1$$

$$\begin{array}{r} 306 \\ 5 \overline{) 1531} \\ \underline{1530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 7 = 218 \text{ remainder } 5$$

$$\begin{array}{r} 218 \\ 7 \overline{) 1531} \\ \underline{1526} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 11 = 139 \text{ remainder } 2$$

$$\begin{array}{r} 139 \\ 11 \overline{) 1531} \\ \underline{1529} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 13 = 117 \text{ remainder } 10$$

$$\begin{array}{r} 117 \\ 13 \overline{) 1531} \\ \underline{1521} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 17 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 17 \overline{) 1531} \\ \underline{1530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 19 = 80 \text{ remainder } 11$$

$$\begin{array}{r} 80 \\ 19 \overline{) 1531} \\ \underline{1520} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 23 = 66 \text{ remainder } 13$$

$$\begin{array}{r} 66 \\ 23 \overline{) 1531} \\ \underline{1518} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 29 = 52 \text{ remainder } 23$$

$$\begin{array}{r} 52 \\ 29 \overline{) 1531} \\ \underline{1508} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$1531 \div 31 = 49 \text{ remainder } 12$$

$$\begin{array}{r} 49 \\ 31 \overline{) 1531} \end{array}$$

1519

----

12 ← remainder

$1531 \div 37 = 41 \text{ remainder } 14$

37 |  $\overline{1531}$   
1517

----

14 ← remainder

## **P<sub>243</sub> 1543**

$$1543 \div 2 = 771 \text{ remainder } 1$$

$$\begin{array}{r} 771 \\ 2 \overline{) 1543} \\ \underline{1542} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 3 = 514 \text{ remainder } 1$$

$$\begin{array}{r} 514 \\ 3 \overline{) 1543} \\ \underline{1542} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 5 = 308 \text{ remainder } 3$$

$$\begin{array}{r} 308 \\ 5 \overline{) 1543} \\ \underline{1540} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 7 = 220 \text{ remainder } 3$$

$$\begin{array}{r} 220 \\ 7 \overline{) 1543} \\ \underline{1540} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 11 = 140 \text{ remainder } 3$$

$$\begin{array}{r} 140 \\ 11 \overline{) 1543} \\ \underline{1540} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 13 = 118 \text{ remainder } 9$$

$$\begin{array}{r} 118 \\ 13 \overline{) 1543} \\ \underline{1534} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 17 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 17 \overline{) 1543} \\ \underline{1530} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 19 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 19 \overline{) 1543} \\ \underline{1539} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 23 = 67 \text{ remainder } 2$$

$$\begin{array}{r} 67 \\ 23 \overline{) 1543} \\ \underline{1541} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 29 = 53 \text{ remainder } 6$$

$$\begin{array}{r} 53 \\ 29 \overline{) 1543} \\ \underline{1537} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1543 \div 31 = 49 \text{ remainder } 24$$

$$\begin{array}{r} 49 \\ 31 \overline{) 1543} \end{array}$$



1519

----

24 ← remainder

$$1543 \div 37 = 41 \text{ remainder } 26$$

$$\begin{array}{r} 41 \\ 37 \overline{) 1543} \\ \underline{1517} \end{array}$$

----

26 ← remainder

## **P<sub>244</sub> 1549**

$$1549 \div 2 = 774 \text{ remainder } 1$$

$$\begin{array}{r} 774 \\ 2 \overline{) 1549} \\ \underline{1548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 3 = 516 \text{ remainder } 1$$

$$\begin{array}{r} 516 \\ 3 \overline{) 1549} \\ \underline{1548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 5 = 309 \text{ remainder } 4$$

$$\begin{array}{r} 309 \\ 5 \overline{) 1549} \\ \underline{1545} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 7 = 221 \text{ remainder } 2$$

$$\begin{array}{r} 221 \\ 7 \overline{) 1549} \\ \underline{1547} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 11 = 140 \text{ remainder } 9$$

$$\begin{array}{r} 140 \\ 11 \overline{) 1549} \\ \underline{1540} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 13 = 119 \text{ remainder } 2$$

$$\begin{array}{r} 119 \\ 13 \overline{) 1549} \\ \underline{1547} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 17 = 91 \text{ remainder } 2$$

$$\begin{array}{r} 91 \\ 17 \overline{) 1549} \\ \underline{1547} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 19 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 19 \overline{) 1549} \\ \underline{1539} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 23 = 67 \text{ remainder } 8$$

$$\begin{array}{r} 67 \\ 23 \overline{) 1549} \\ \underline{1541} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 29 = 53 \text{ remainder } 12$$

$$\begin{array}{r} 53 \\ 29 \overline{) 1549} \\ \underline{1537} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1549 \div 31 = 49 \text{ remainder } 30$$

$$\begin{array}{r} 49 \\ 31 \overline{) 1549} \end{array}$$

1519

----

30 ← remainder

$1549 \div 37 = 41 \text{ remainder } 32$

37 |  $\overline{1549}$   
41  
 $\overline{1517}$

----

32 ← remainder

## **P<sub>245</sub> 1553**

$$1553 \div 2 = 776 \text{ remainder } 1$$

$$\begin{array}{r} 776 \\ 2 \overline{) 1553} \\ \underline{1552} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 3 = 517 \text{ remainder } 2$$

$$\begin{array}{r} 517 \\ 3 \overline{) 1553} \\ \underline{1551} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 5 = 310 \text{ remainder } 3$$

$$\begin{array}{r} 310 \\ 5 \overline{) 1553} \\ \underline{1550} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 7 = 221 \text{ remainder } 6$$

$$\begin{array}{r} 221 \\ 7 \overline{) 1553} \\ \underline{1547} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 11 = 141 \text{ remainder } 2$$

$$\begin{array}{r} 141 \\ 11 \overline{) 1553} \\ \underline{1551} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 13 = 119 \text{ remainder } 6$$

$$\begin{array}{r} 119 \\ 13 \overline{) 1553} \\ \underline{1547} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 17 = 91 \text{ remainder } 6$$

$$\begin{array}{r} 91 \\ 17 \overline{) 1553} \\ \underline{1547} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 19 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 19 \overline{) 1553} \\ \underline{1539} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 23 = 67 \text{ remainder } 12$$

$$\begin{array}{r} 67 \\ 23 \overline{) 1553} \\ \underline{1541} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 29 = 53 \text{ remainder } 16$$

$$\begin{array}{r} 53 \\ 29 \overline{) 1553} \\ \underline{1537} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1553 \div 31 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 31 \overline{) 1553} \end{array}$$

1550

----

3 ← remainder

$1553 \div 37 = 41 \text{ remainder } 36$

37 |  $\overline{41 \over 1553}$   
1517

----

36 ← remainder

## **P<sub>246</sub> 1559**

$$1559 \div 2 = 779 \text{ remainder } 1$$

$$\begin{array}{r} 779 \\ 2 \overline{) 1559} \\ \underline{1558} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 3 = 519 \text{ remainder } 2$$

$$\begin{array}{r} 519 \\ 3 \overline{) 1559} \\ \underline{1557} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 5 = 311 \text{ remainder } 4$$

$$\begin{array}{r} 311 \\ 5 \overline{) 1559} \\ \underline{1555} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 7 = 222 \text{ remainder } 5$$

$$\begin{array}{r} 222 \\ 7 \overline{) 1559} \\ \underline{1554} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 11 = 141 \text{ remainder } 8$$

$$\begin{array}{r} 141 \\ 11 \overline{) 1559} \\ \underline{1551} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$1559 \div 13 = 119 \text{ remainder } 12$$

$$\begin{array}{r} 119 \\ 13 \overline{) 1559} \\ \underline{1547} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 17 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 17 \overline{) 1559} \\ \underline{1547} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 19 = 82 \text{ remainder } 1$$

$$\begin{array}{r} 82 \\ 19 \overline{) 1559} \\ \underline{1558} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 23 = 67 \text{ remainder } 18$$

$$\begin{array}{r} 67 \\ 23 \overline{) 1559} \\ \underline{1541} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 29 = 53 \text{ remainder } 22$$

$$\begin{array}{r} 53 \\ 29 \overline{) 1559} \\ \underline{1537} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 31 = 50 \text{ remainder } 9$$

$$\begin{array}{r} 50 \\ 31 \overline{) 1559} \end{array}$$

1550

----

9 ← remainder

$1559 \div 37 = 42 \text{ remainder } 5$

37 |  $\overline{1559}$   
     $\overline{1554}$

----

5 ← remainder

## **P<sub>247</sub> 1567**

$$1567 \div 2 = 783 \text{ remainder } 1$$

$$\begin{array}{r} 783 \\ 2 \overline{) 1567} \\ \underline{1566} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 3 = 522 \text{ remainder } 1$$

$$\begin{array}{r} 522 \\ 3 \overline{) 1567} \\ \underline{1566} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 5 = 313 \text{ remainder } 2$$

$$\begin{array}{r} 313 \\ 5 \overline{) 1567} \\ \underline{1565} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 7 = 223 \text{ remainder } 6$$

$$\begin{array}{r} 223 \\ 7 \overline{) 1567} \\ \underline{1561} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 11 = 142 \text{ remainder } 5$$

$$\begin{array}{r} 142 \\ 11 \overline{) 1567} \\ \underline{1562} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 13 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 13 \overline{) 1567} \\ \underline{1560} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 17 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 17 \overline{) 1567} \\ \underline{1564} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 19 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 19 \overline{) 1567} \\ \underline{1558} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 23 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 23 \overline{) 1567} \\ \underline{1564} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 29 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 29 \overline{) 1567} \\ \underline{1566} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1567 \div 31 = 50 \text{ remainder } 17$$

$$\begin{array}{r} 50 \\ 31 \overline{) 1567} \end{array}$$

1550

----

17 ← remainder

$1567 \div 37 = 42 \text{ remainder } 13$

37 |  $\overline{1567}$   
42  
 $\overline{1554}$

----

13 ← remainder

## **P<sub>248</sub> 1571**

$$1571 \div 2 = 785 \text{ remainder } 1$$

$$\begin{array}{r} 785 \\ 2 \overline{) 1571} \\ \underline{1570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 3 = 523 \text{ remainder } 2$$

$$\begin{array}{r} 523 \\ 3 \overline{) 1571} \\ \underline{1569} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 5 = 314 \text{ remainder } 1$$

$$\begin{array}{r} 314 \\ 5 \overline{) 1571} \\ \underline{1570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 7 = 224 \text{ remainder } 3$$

$$\begin{array}{r} 224 \\ 7 \overline{) 1571} \\ \underline{1568} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 11 = 142 \text{ remainder } 9$$

$$\begin{array}{r} 142 \\ 11 \overline{) 1571} \\ \underline{1562} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 13 = 120 \text{ remainder } 11$$

$$\begin{array}{r} 120 \\ 13 \overline{) 1571} \\ \underline{1560} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 17 = 92 \text{ remainder } 7$$

$$\begin{array}{r} 92 \\ 17 \overline{) 1571} \\ \underline{1564} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 19 = 82 \text{ remainder } 13$$

$$\begin{array}{r} 82 \\ 19 \overline{) 1571} \\ \underline{1558} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 23 = 68 \text{ remainder } 7$$

$$\begin{array}{r} 68 \\ 23 \overline{) 1571} \\ \underline{1564} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 29 = 54 \text{ remainder } 5$$

$$\begin{array}{r} 54 \\ 29 \overline{) 1571} \\ \underline{1566} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1571 \div 31 = 50 \text{ remainder } 21$$

$$\begin{array}{r} 50 \\ 31 \overline{) 1571} \end{array}$$

1550

----

21 ← remainder

$1571 \div 37 = 42 \text{ remainder } 17$

37 |  $\overline{42 \over 1571}$   
1554

----

17 ← remainder



## **P<sub>249</sub> 1579**

$$1579 \div 2 = 789 \text{ remainder } 1$$

$$\begin{array}{r} 789 \\ 2 \overline{) 1579} \\ \underline{1578} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 3 = 526 \text{ remainder } 1$$

$$\begin{array}{r} 526 \\ 3 \overline{) 1579} \\ \underline{1578} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 5 = 315 \text{ remainder } 4$$

$$\begin{array}{r} 315 \\ 5 \overline{) 1579} \\ \underline{1575} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 7 = 225 \text{ remainder } 4$$

$$\begin{array}{r} 225 \\ 7 \overline{) 1579} \\ \underline{1575} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 11 = 143 \text{ remainder } 6$$

$$\begin{array}{r} 143 \\ 11 \overline{) 1579} \\ \underline{1573} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 13 = 121 \text{ remainder } 6$$

$$\begin{array}{r} 121 \\ 13 \overline{) 1579} \\ \underline{1573} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 17 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 17 \overline{) 1579} \\ \underline{1564} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 19 = 83 \text{ remainder } 2$$

$$\begin{array}{r} 83 \\ 19 \overline{) 1579} \\ \underline{1577} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 23 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 23 \overline{) 1579} \\ \underline{1564} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 29 = 54 \text{ remainder } 13$$

$$\begin{array}{r} 54 \\ 29 \overline{) 1579} \\ \underline{1566} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1579 \div 31 = 50 \text{ remainder } 29$$

$$\begin{array}{r} 50 \\ 31 \overline{) 1579} \end{array}$$

1550

----

29 ← remainder

$1579 \div 37 = 42 \text{ remainder } 25$

37 |  $\overline{42 \over 1579}$   
1554

----

25 ← remainder

## **P<sub>250</sub> 1583**

$$1583 \div 2 = 791 \text{ remainder } 1$$

$$\begin{array}{r} 791 \\ 2 \overline{) 1583} \\ \underline{1582} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 3 = 527 \text{ remainder } 2$$

$$\begin{array}{r} 527 \\ 3 \overline{) 1583} \\ \underline{1581} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 5 = 316 \text{ remainder } 3$$

$$\begin{array}{r} 316 \\ 5 \overline{) 1583} \\ \underline{1580} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 7 = 226 \text{ remainder } 1$$

$$\begin{array}{r} 226 \\ 7 \overline{) 1583} \\ \underline{1582} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 11 = 143 \text{ remainder } 10$$

$$\begin{array}{r} 143 \\ 11 \overline{) 1583} \\ \underline{1573} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 13 = 121 \text{ remainder } 10$$

$$\begin{array}{r} 121 \\ 13 \overline{) 1583} \\ \underline{1573} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 17 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 17 \overline{) 1583} \\ \underline{1581} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 19 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 19 \overline{) 1583} \\ \underline{1577} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 23 = 68 \text{ remainder } 19$$

$$\begin{array}{r} 68 \\ 23 \overline{) 1583} \\ \underline{1564} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 29 = 54 \text{ remainder } 17$$

$$\begin{array}{r} 54 \\ 29 \overline{) 1583} \\ \underline{1566} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1583 \div 31 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1583} \end{array}$$

1581

----

2 ← remainder

$1583 \div 37 = 42 \text{ remainder } 29$

37 |  $\overline{42 \phantom{00} 1583}$   
1554

----

29 ← remainder

## **P<sub>251</sub> 1597**

$$1597 \div 2 = 798 \text{ remainder } 1$$

$$\begin{array}{r} 798 \\ 2 \mid \overline{1597} \\ \underline{1596} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 3 = 532 \text{ remainder } 1$$

$$\begin{array}{r} 532 \\ 3 \mid \overline{1597} \\ \underline{1596} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 5 = 319 \text{ remainder } 2$$

$$\begin{array}{r} 319 \\ 5 \mid \overline{1597} \\ \underline{1595} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 7 = 228 \text{ remainder } 1$$

$$\begin{array}{r} 228 \\ 7 \mid \overline{1597} \\ \underline{1596} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 11 = 145 \text{ remainder } 2$$

$$\begin{array}{r} 145 \\ 11 \mid \overline{1597} \\ \underline{1595} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 13 = 122 \text{ remainder } 11$$

$$\begin{array}{r} 122 \\ 13 \overline{) 1597} \\ \underline{1586} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 17 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 17 \overline{) 1597} \\ \underline{1581} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 19 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 19 \overline{) 1597} \\ \underline{1596} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 23 = 69 \text{ remainder } 10$$

$$\begin{array}{r} 69 \\ 23 \overline{) 1597} \\ \underline{1587} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 29 = 55 \text{ remainder } 2$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1597} \\ \underline{1595} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 31 = 51 \text{ remainder } 16$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1597} \end{array}$$



1581

----

16 ← remainder

$$1597 \div 37 = 43 \text{ remainder } 6$$

$$\begin{array}{r} 43 \\ 37 \overline{) 1597} \\ \underline{1591} \end{array}$$

----

6 ← remainder

## **P<sub>252</sub> 1601**

$$1601 \div 2 = 800 \text{ remainder } 1$$

$$\begin{array}{r} 800 \\ 2 \overline{) 1601} \\ \underline{1600} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 3 = 533 \text{ remainder } 2$$

$$\begin{array}{r} 533 \\ 3 \overline{) 1601} \\ \underline{1599} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 5 = 320 \text{ remainder } 1$$

$$\begin{array}{r} 320 \\ 5 \overline{) 1601} \\ \underline{1600} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 7 = 228 \text{ remainder } 5$$

$$\begin{array}{r} 228 \\ 7 \overline{) 1601} \\ \underline{1596} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 11 = 145 \text{ remainder } 6$$

$$\begin{array}{r} 145 \\ 11 \overline{) 1601} \\ \underline{1595} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 13 = 123 \text{ remainder } 2$$

$$\begin{array}{r} 123 \\ 13 \overline{) 1601} \\ \underline{1599} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 17 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 17 \overline{) 1601} \\ \underline{1598} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 19 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 19 \overline{) 1601} \\ \underline{1596} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 23 = 69 \text{ remainder } 14$$

$$\begin{array}{r} 69 \\ 23 \overline{) 1601} \\ \underline{1587} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 29 = 55 \text{ remainder } 6$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1601} \\ \underline{1595} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1601 \div 31 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1601} \end{array}$$

1581

----

20 ← remainder

$1601 \div 37 = 43 \text{ remainder } 10$

37 |  $\overline{1601}$   
43  
 $\overline{1591}$

----

10 ← remainder

## **P<sub>253</sub> 1607**

$$1607 \div 2 = 803 \text{ remainder } 1$$

$$\begin{array}{r} 803 \\ 2 \overline{) 1607} \\ \underline{1606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 3 = 535 \text{ remainder } 2$$

$$\begin{array}{r} 535 \\ 3 \overline{) 1607} \\ \underline{1605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 5 = 321 \text{ remainder } 2$$

$$\begin{array}{r} 321 \\ 5 \overline{) 1607} \\ \underline{1605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 7 = 229 \text{ remainder } 4$$

$$\begin{array}{r} 229 \\ 7 \overline{) 1607} \\ \underline{1603} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 11 = 146 \text{ remainder } 1$$

$$\begin{array}{r} 146 \\ 11 \overline{) 1607} \\ \underline{1606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 13 = 123 \text{ remainder } 8$$

$$\begin{array}{r} 123 \\ 13 \overline{) 1607} \\ \underline{1599} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 17 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 17 \overline{) 1607} \\ \underline{1598} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 19 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 19 \overline{) 1607} \\ \underline{1596} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 23 = 69 \text{ remainder } 20$$

$$\begin{array}{r} 69 \\ 23 \overline{) 1607} \\ \underline{1587} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 29 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1607} \\ \underline{1595} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 31 = 51 \text{ remainder } 26$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1607} \end{array}$$

1581

----

26 ← remainder

$1607 \div 37 = 43 \text{ remainder } 16$

37 |  $\overline{1607}$   
43  
 $\overline{1591}$

----

16 ← remainder

## **P<sub>254</sub> 1609**

$$1609 \div 2 = 804 \text{ remainder } 1$$

$$\begin{array}{r} 804 \\ 2 \overline{) 1609} \\ \underline{1608} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 3 = 536 \text{ remainder } 1$$

$$\begin{array}{r} 536 \\ 3 \overline{) 1609} \\ \underline{1608} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 5 = 321 \text{ remainder } 4$$

$$\begin{array}{r} 321 \\ 5 \overline{) 1609} \\ \underline{1605} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 7 = 229 \text{ remainder } 6$$

$$\begin{array}{r} 229 \\ 7 \overline{) 1609} \\ \underline{1603} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 11 = 146 \text{ remainder } 3$$

$$\begin{array}{r} 146 \\ 11 \overline{) 1609} \\ \underline{1606} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$1609 \div 13 = 123 \text{ remainder } 10$$

$$\begin{array}{r} 123 \\ 13 \overline{) 1609} \\ \underline{1599} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 17 = 94 \text{ remainder } 11$$

$$\begin{array}{r} 94 \\ 17 \overline{) 1609} \\ \underline{1598} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 19 = 84 \text{ remainder } 13$$

$$\begin{array}{r} 84 \\ 19 \overline{) 1609} \\ \underline{1596} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 23 = 69 \text{ remainder } 22$$

$$\begin{array}{r} 69 \\ 23 \overline{) 1609} \\ \underline{1587} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 29 = 55 \text{ remainder } 14$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1609} \\ \underline{1595} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 31 = 51 \text{ remainder } 28$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1609} \end{array}$$

1581

----

28 ← remainder

$1609 \div 37 = 43 \text{ remainder } 18$

37 |  $\overline{43 \over 1609}$   
1591

----

18 ← remainder

## **P<sub>255</sub> 1613**

$$1613 \div 2 = 806 \text{ remainder } 1$$

$$\begin{array}{r} 806 \\ 2 \overline{) 1613} \\ \underline{1612} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 3 = 537 \text{ remainder } 2$$

$$\begin{array}{r} 537 \\ 3 \overline{) 1613} \\ \underline{1611} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 5 = 322 \text{ remainder } 3$$

$$\begin{array}{r} 322 \\ 5 \overline{) 1613} \\ \underline{1610} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 7 = 230 \text{ remainder } 3$$

$$\begin{array}{r} 230 \\ 7 \overline{) 1613} \\ \underline{1610} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 11 = 146 \text{ remainder } 7$$

$$\begin{array}{r} 146 \\ 11 \overline{) 1613} \\ \underline{1606} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 13 = 124 \text{ remainder } 1$$

$$\begin{array}{r} 124 \\ 13 \overline{) 1613} \\ \underline{1612} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 17 = 94 \text{ remainder } 15$$

$$\begin{array}{r} 94 \\ 17 \overline{) 1613} \\ \underline{1598} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 19 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 19 \overline{) 1613} \\ \underline{1596} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 23 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 23 \overline{) 1613} \\ \underline{1610} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 29 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1613} \\ \underline{1595} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1613 \div 31 = 52 \text{ remainder } 1$$

$$\begin{array}{r} 52 \\ 31 \overline{) 1613} \end{array}$$

1612

----

1 ← remainder

$1613 \div 37 = 43 \text{ remainder } 22$

37 |  $\overline{1613}$   
43  
 $\overline{1591}$

----

22 ← remainder

## **P<sub>256</sub> 1619**

$$1619 \div 2 = 809 \text{ remainder } 1$$

$$\begin{array}{r} 809 \\ 2 \mid \overline{1619} \\ \underline{1618} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1619 \div 3 = 539 \text{ remainder } 2$$

$$\begin{array}{r} 539 \\ 3 \mid \overline{1619} \\ \underline{1617} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1619 \div 5 = 323 \text{ remainder } 4$$

$$\begin{array}{r} 323 \\ 5 \mid \overline{1619} \\ \underline{1615} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1619 \div 7 = 231 \text{ remainder } 2$$

$$\begin{array}{r} 231 \\ 7 \mid \overline{1619} \\ \underline{1617} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1619 \div 11 = 147 \text{ remainder } 2$$

$$\begin{array}{r} 147 \\ 11 \mid \overline{1619} \\ \underline{1617} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1619 \div 13 = 124 \text{ remainder } 7$$

$$\begin{array}{r} 124 \\ 13 \overline{) 1619} \\ \underline{1612} \phantom{0} \\ 7 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$1619 \div 17 = 95 \text{ remainder } 4$$

$$\begin{array}{r} 95 \\ 17 \overline{) 1619} \\ \underline{1615} \phantom{0} \\ 4 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$1619 \div 19 = 85 \text{ remainder } 4$$

$$\begin{array}{r} 85 \\ 19 \overline{) 1619} \\ \underline{1615} \phantom{0} \\ 4 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$1619 \div 23 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 23 \overline{) 1619} \\ \underline{1610} \phantom{0} \\ 9 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$1619 \div 29 = 55 \text{ remainder } 24$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1619} \\ \underline{1595} \phantom{0} \\ 24 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$1619 \div 31 = 52 \text{ remainder } 7$$

$$\begin{array}{r} 52 \\ 31 \overline{) 1619} \end{array}$$

1612

----

7 ← remainder

$1619 \div 37 = 43 \text{ remainder } 28$

37 |  $\overline{43 \over 1619}$   
1591

----

28 ← remainder



## **P<sub>257</sub> 1621**

$$1621 \div 2 = 810 \text{ remainder } 1$$

$$\begin{array}{r} 810 \\ 2 \overline{) 1621} \\ \underline{1620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1621 \div 3 = 540 \text{ remainder } 1$$

$$\begin{array}{r} 540 \\ 3 \overline{) 1621} \\ \underline{1620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1621 \div 5 = 324 \text{ remainder } 1$$

$$\begin{array}{r} 324 \\ 5 \overline{) 1621} \\ \underline{1620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1621 \div 7 = 231 \text{ remainder } 4$$

$$\begin{array}{r} 231 \\ 7 \overline{) 1621} \\ \underline{1617} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1621 \div 11 = 147 \text{ remainder } 4$$

$$\begin{array}{r} 147 \\ 11 \overline{) 1621} \\ \underline{1617} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1621 \div 13 = 124 \text{ remainder } 9$$

$$\begin{array}{r} 124 \\ 13 \overline{) 1621} \\ \underline{1612} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1621 \div 17 = 95 \text{ remainder } 6$$

$$\begin{array}{r} 95 \\ 17 \overline{) 1621} \\ \underline{1615} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1621 \div 19 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 19 \overline{) 1621} \\ \underline{1615} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1621 \div 23 = 70 \text{ remainder } 11$$

$$\begin{array}{r} 70 \\ 23 \overline{) 1621} \\ \underline{1610} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1621 \div 29 = 55 \text{ remainder } 26$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1621} \\ \underline{1595} \phantom{00} \\ 26 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1621 \div 31 = 52 \text{ remainder } 9$$

$$\begin{array}{r} 52 \\ 31 \overline{) 1621} \end{array}$$

1612

----

9 ← remainder

$1621 \div 37 = 43 \text{ remainder } 30$

37 |  $\overline{1621}$   
    43  
    1591

----

30 ← remainder

## **P<sub>258</sub> 1627**

$$1627 \div 2 = 813 \text{ remainder } 1$$

$$\begin{array}{r} 813 \\ 2 \overline{) 1627} \\ \underline{1626} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 3 = 542 \text{ remainder } 1$$

$$\begin{array}{r} 542 \\ 3 \overline{) 1627} \\ \underline{1626} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 5 = 325 \text{ remainder } 2$$

$$\begin{array}{r} 325 \\ 5 \overline{) 1627} \\ \underline{1625} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 7 = 232 \text{ remainder } 3$$

$$\begin{array}{r} 232 \\ 7 \overline{) 1627} \\ \underline{1624} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 11 = 147 \text{ remainder } 10$$

$$\begin{array}{r} 147 \\ 11 \overline{) 1627} \\ \underline{1617} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 13 = 125 \text{ remainder } 2$$

$$\begin{array}{r} 125 \\ 13 \overline{) 1627} \\ \underline{1625} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 17 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 17 \overline{) 1627} \\ \underline{1615} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 19 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 19 \overline{) 1627} \\ \underline{1615} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 23 = 70 \text{ remainder } 17$$

$$\begin{array}{r} 70 \\ 23 \overline{) 1627} \\ \underline{1610} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 29 = 56 \text{ remainder } 3$$

$$\begin{array}{r} 56 \\ 29 \overline{) 1627} \\ \underline{1624} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1627 \div 31 = 52 \text{ remainder } 15$$

$$\begin{array}{r} 52 \\ 31 \overline{) 1627} \end{array}$$

1612

----

15 ← remainder

$1627 \div 37 = 43 \text{ remainder } 36$

37 |  $\overline{1627}$   
43  
 $\overline{1591}$

----

36 ← remainder

## **P<sub>259</sub> 1637**

$$1637 \div 2 = 818 \text{ remainder } 1$$

$$\begin{array}{r} 818 \\ 2 \overline{) 1637} \\ \underline{1636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 3 = 545 \text{ remainder } 2$$

$$\begin{array}{r} 545 \\ 3 \overline{) 1637} \\ \underline{1635} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 5 = 327 \text{ remainder } 2$$

$$\begin{array}{r} 327 \\ 5 \overline{) 1637} \\ \underline{1635} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 7 = 233 \text{ remainder } 6$$

$$\begin{array}{r} 233 \\ 7 \overline{) 1637} \\ \underline{1631} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 11 = 148 \text{ remainder } 9$$

$$\begin{array}{r} 148 \\ 11 \overline{) 1637} \\ \underline{1628} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 13 = 125 \text{ remainder } 12$$

$$\begin{array}{r} 125 \\ 13 \overline{) 1637} \\ \underline{1625} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 17 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 17 \overline{) 1637} \\ \underline{1632} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 19 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 19 \overline{) 1637} \\ \underline{1634} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 23 = 71 \text{ remainder } 4$$

$$\begin{array}{r} 71 \\ 23 \overline{) 1637} \\ \underline{1633} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 29 = 56 \text{ remainder } 13$$

$$\begin{array}{r} 56 \\ 29 \overline{) 1637} \\ \underline{1624} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1637 \div 31 = 52 \text{ remainder } 25$$

$$\begin{array}{r} 52 \\ 31 \overline{) 1637} \end{array}$$



1612

----

25 ← remainder

$1637 \div 37 = 44 \text{ remainder } 9$

37 |  $\overline{1637}$   
44  
 $\overline{1628}$

----

9 ← remainder

## **P<sub>260</sub> 1657**

$$1657 \div 2 = 828 \text{ remainder } 1$$

$$\begin{array}{r} 828 \\ 2 \overline{) 1657} \\ \underline{1656} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1657 \div 3 = 552 \text{ remainder } 1$$

$$\begin{array}{r} 552 \\ 3 \overline{) 1657} \\ \underline{1656} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1657 \div 5 = 331 \text{ remainder } 2$$

$$\begin{array}{r} 331 \\ 5 \overline{) 1657} \\ \underline{1655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1657 \div 7 = 236 \text{ remainder } 5$$

$$\begin{array}{r} 236 \\ 7 \overline{) 1657} \\ \underline{1652} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1657 \div 11 = 150 \text{ remainder } 7$$

$$\begin{array}{r} 150 \\ 11 \overline{) 1657} \\ \underline{1650} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1657 \div 13 = 127 \text{ remainder } 6$$

$$\begin{array}{r} 127 \\ 13 \overline{) 1657} \\ \underline{1651} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1657 \div 17 = 97 \text{ remainder } 8$$

$$\begin{array}{r} 97 \\ 17 \overline{) 1657} \\ \underline{1649} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1657 \div 19 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 87 \\ 19 \overline{) 1657} \\ \underline{1653} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1657 \div 23 = 72 \text{ remainder } 1$$

$$\begin{array}{r} 72 \\ 23 \overline{) 1657} \\ \underline{1656} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1657 \div 29 = 57 \text{ remainder } 4$$

$$\begin{array}{r} 57 \\ 29 \overline{) 1657} \\ \underline{1653} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1657 \div 31 = 53 \text{ remainder } 14$$

$$\begin{array}{r} 53 \\ 31 \overline{) 1657} \end{array}$$

1643

----

14 ← remainder

$1657 \div 37 = 44 \text{ remainder } 29$

37 |  $\overline{1657}$   
44  
 $\overline{1628}$

----

29 ← remainder

## **P<sub>261</sub> 1663**

$$1663 \div 2 = 831 \text{ remainder } 1$$

$$\begin{array}{r} 831 \\ 2 \overline{) 1663} \\ \underline{1662} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 3 = 554 \text{ remainder } 1$$

$$\begin{array}{r} 554 \\ 3 \overline{) 1663} \\ \underline{1662} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 5 = 332 \text{ remainder } 3$$

$$\begin{array}{r} 332 \\ 5 \overline{) 1663} \\ \underline{1660} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 7 = 237 \text{ remainder } 4$$

$$\begin{array}{r} 237 \\ 7 \overline{) 1663} \\ \underline{1659} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 11 = 151 \text{ remainder } 2$$

$$\begin{array}{r} 151 \\ 11 \overline{) 1663} \\ \underline{1661} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 13 = 127 \text{ remainder } 12$$

$$\begin{array}{r} 127 \\ 13 \overline{) 1663} \\ \underline{1651} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 17 = 97 \text{ remainder } 14$$

$$\begin{array}{r} 97 \\ 17 \overline{) 1663} \\ \underline{1649} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 19 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 19 \overline{) 1663} \\ \underline{1653} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 23 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 23 \overline{) 1663} \\ \underline{1656} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 29 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 29 \overline{) 1663} \\ \underline{1653} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 31 = 53 \text{ remainder } 20$$

$$\begin{array}{r} 53 \\ 31 \overline{) 1663} \end{array}$$

1643

----

20 ← remainder

$1663 \div 37 = 44 \text{ remainder } 35$

37 |  $\overline{1663}$   
44  
 $\overline{1628}$

----

35 ← remainder

## **P<sub>262</sub> 1667**

$$1667 \div 2 = 833 \text{ remainder } 1$$

$$\begin{array}{r} 833 \\ 2 \overline{) 1667} \\ \underline{1666} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 3 = 555 \text{ remainder } 2$$

$$\begin{array}{r} 555 \\ 3 \overline{) 1667} \\ \underline{1665} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 5 = 333 \text{ remainder } 2$$

$$\begin{array}{r} 333 \\ 5 \overline{) 1667} \\ \underline{1665} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 7 = 238 \text{ remainder } 1$$

$$\begin{array}{r} 238 \\ 7 \overline{) 1667} \\ \underline{1666} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 11 = 151 \text{ remainder } 6$$

$$\begin{array}{r} 151 \\ 11 \overline{) 1667} \\ \underline{1661} \\ 6 \end{array} \leftarrow \text{remainder}$$



$$1667 \div 13 = 128 \text{ remainder } 3$$

$$\begin{array}{r} 128 \\ 13 \overline{) 1667} \\ \underline{1664} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 17 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 17 \overline{) 1667} \\ \underline{1666} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 19 = 87 \text{ remainder } 14$$

$$\begin{array}{r} 87 \\ 19 \overline{) 1667} \\ \underline{1653} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 23 = 72 \text{ remainder } 11$$

$$\begin{array}{r} 72 \\ 23 \overline{) 1667} \\ \underline{1656} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 29 = 57 \text{ remainder } 14$$

$$\begin{array}{r} 57 \\ 29 \overline{) 1667} \\ \underline{1653} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 31 = 53 \text{ remainder } 24$$

$$\begin{array}{r} 53 \\ 31 \overline{) 1667} \end{array}$$

1643

----

24 ← remainder

$$1667 \div 37 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1667} \\ \underline{1665} \end{array}$$

----

2 ← remainder

## **P<sub>263</sub> 1669**

$$1669 \div 2 = 834 \text{ remainder } 1$$

$$\begin{array}{r} 834 \\ 2 \overline{) 1669} \\ \underline{1668} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 3 = 556 \text{ remainder } 1$$

$$\begin{array}{r} 556 \\ 3 \overline{) 1669} \\ \underline{1668} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 5 = 333 \text{ remainder } 4$$

$$\begin{array}{r} 333 \\ 5 \overline{) 1669} \\ \underline{1665} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 7 = 238 \text{ remainder } 3$$

$$\begin{array}{r} 238 \\ 7 \overline{) 1669} \\ \underline{1666} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 11 = 151 \text{ remainder } 8$$

$$\begin{array}{r} 151 \\ 11 \overline{) 1669} \\ \underline{1661} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 13 = 128 \text{ remainder } 5$$

$$\begin{array}{r} 128 \\ 13 \overline{) 1669} \\ \underline{1664} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 17 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 17 \overline{) 1669} \\ \underline{1666} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 19 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 19 \overline{) 1669} \\ \underline{1653} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 23 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 23 \overline{) 1669} \\ \underline{1656} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 29 = 57 \text{ remainder } 16$$

$$\begin{array}{r} 57 \\ 29 \overline{) 1669} \\ \underline{1653} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1669 \div 31 = 53 \text{ remainder } 26$$

$$\begin{array}{r} 53 \\ 31 \overline{) 1669} \end{array}$$

1643

----

26 ← remainder

$$1669 \div 37 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1669} \\ \underline{1665} \end{array}$$

----

4 ← remainder

## **P<sub>264</sub> 1693**

$$1693 \div 2 = 846 \text{ remainder } 1$$

$$\begin{array}{r} 846 \\ 2 \overline{) 1693} \\ \underline{1692} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 3 = 564 \text{ remainder } 1$$

$$\begin{array}{r} 564 \\ 3 \overline{) 1693} \\ \underline{1692} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 5 = 338 \text{ remainder } 3$$

$$\begin{array}{r} 338 \\ 5 \overline{) 1693} \\ \underline{1690} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 7 = 241 \text{ remainder } 6$$

$$\begin{array}{r} 241 \\ 7 \overline{) 1693} \\ \underline{1687} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 11 = 153 \text{ remainder } 10$$

$$\begin{array}{r} 153 \\ 11 \overline{) 1693} \\ \underline{1683} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 13 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 13 \overline{) 1693} \\ \underline{1690} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 17 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 17 \overline{) 1693} \\ \underline{1683} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 19 = 89 \text{ remainder } 2$$

$$\begin{array}{r} 89 \\ 19 \overline{) 1693} \\ \underline{1691} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 23 = 73 \text{ remainder } 14$$

$$\begin{array}{r} 73 \\ 23 \overline{) 1693} \\ \underline{1679} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 29 = 58 \text{ remainder } 11$$

$$\begin{array}{r} 58 \\ 29 \overline{) 1693} \\ \underline{1682} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1693 \div 31 = 54 \text{ remainder } 19$$

$$\begin{array}{r} 54 \\ 31 \overline{) 1693} \end{array}$$

1674

----

19 ← remainder

$$1693 \div 37 = 45 \text{ remainder } 28$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1693} \\ \underline{1665} \end{array}$$

----

28 ← remainder

$$1693 \div 41 = 41 \text{ remainder } 12$$

$$\begin{array}{r} 41 \\ 41 \overline{) 1693} \\ \underline{1681} \end{array}$$

----

12 ← remainder



## **P<sub>265</sub> 1697**

$$1697 \div 2 = 848 \text{ remainder } 1$$

$$\begin{array}{r} 848 \\ 2 \overline{) 1697} \\ \underline{1696} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 3 = 565 \text{ remainder } 2$$

$$\begin{array}{r} 565 \\ 3 \overline{) 1697} \\ \underline{1695} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 5 = 339 \text{ remainder } 2$$

$$\begin{array}{r} 339 \\ 5 \overline{) 1697} \\ \underline{1695} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 7 = 242 \text{ remainder } 3$$

$$\begin{array}{r} 242 \\ 7 \overline{) 1697} \\ \underline{1694} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 11 = 154 \text{ remainder } 3$$

$$\begin{array}{r} 154 \\ 11 \overline{) 1697} \\ \underline{1694} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 13 = 130 \text{ remainder } 7$$

$$\begin{array}{r} 130 \\ 13 \overline{) 1697} \\ \underline{1690} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 17 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 17 \overline{) 1697} \\ \underline{1683} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 19 = 89 \text{ remainder } 6$$

$$\begin{array}{r} 89 \\ 19 \overline{) 1697} \\ \underline{1691} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 23 = 73 \text{ remainder } 18$$

$$\begin{array}{r} 73 \\ 23 \overline{) 1697} \\ \underline{1679} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 29 = 58 \text{ remainder } 15$$

$$\begin{array}{r} 58 \\ 29 \overline{) 1697} \\ \underline{1682} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1697 \div 31 = 54 \text{ remainder } 23$$

$$\begin{array}{r} 54 \\ 31 \overline{) 1697} \end{array}$$

$$\begin{array}{r} 1674 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 37 = 45 \text{ remainder } 32$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1697} \\ \underline{1665} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 41 = 41 \text{ remainder } 16$$

$$\begin{array}{r} 41 \\ 41 \overline{) 1697} \\ \underline{1681} \\ 16 \leftarrow \text{remainder} \end{array}$$

## **P<sub>266</sub> 1699**

$$1699 \div 2 = 849 \text{ remainder } 1$$

$$\begin{array}{r} 849 \\ 2 \overline{) 1699} \\ \underline{1698} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 3 = 566 \text{ remainder } 1$$

$$\begin{array}{r} 566 \\ 3 \overline{) 1699} \\ \underline{1698} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 5 = 339 \text{ remainder } 4$$

$$\begin{array}{r} 339 \\ 5 \overline{) 1699} \\ \underline{1695} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 7 = 242 \text{ remainder } 5$$

$$\begin{array}{r} 242 \\ 7 \overline{) 1699} \\ \underline{1694} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 11 = 154 \text{ remainder } 5$$

$$\begin{array}{r} 154 \\ 11 \overline{) 1699} \\ \underline{1694} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 13 = 130 \text{ remainder } 9$$

$$\begin{array}{r} 130 \\ 13 \overline{) 1699} \\ \underline{1690} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 17 = 99 \text{ remainder } 16$$

$$\begin{array}{r} 99 \\ 17 \overline{) 1699} \\ \underline{1683} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 19 = 89 \text{ remainder } 8$$

$$\begin{array}{r} 89 \\ 19 \overline{) 1699} \\ \underline{1691} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 23 = 73 \text{ remainder } 20$$

$$\begin{array}{r} 73 \\ 23 \overline{) 1699} \\ \underline{1679} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 29 = 58 \text{ remainder } 17$$

$$\begin{array}{r} 58 \\ 29 \overline{) 1699} \\ \underline{1682} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1699 \div 31 = 54 \text{ remainder } 25$$

$$\begin{array}{r} 54 \\ 31 \overline{) 1699} \end{array}$$

$$\begin{array}{r}
 1674 \\
 \text{----} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$1699 \div 37 = 45 \text{ remainder } 34$$

$$\begin{array}{r}
 45 \\
 37 \overline{) 1699} \\
 \underline{1665} \phantom{00} \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$1699 \div 41 = 41 \text{ remainder } 18$$

$$\begin{array}{r}
 41 \\
 41 \overline{) 1699} \\
 \underline{1681} \phantom{00} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

## **P<sub>267</sub> 1709**

$$1709 \div 2 = 854 \text{ remainder } 1$$

$$\begin{array}{r} 854 \\ 2 \overline{) 1709} \\ \underline{1708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 3 = 569 \text{ remainder } 2$$

$$\begin{array}{r} 569 \\ 3 \overline{) 1709} \\ \underline{1707} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 5 = 341 \text{ remainder } 4$$

$$\begin{array}{r} 341 \\ 5 \overline{) 1709} \\ \underline{1705} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 7 = 244 \text{ remainder } 1$$

$$\begin{array}{r} 244 \\ 7 \overline{) 1709} \\ \underline{1708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 11 = 155 \text{ remainder } 4$$

$$\begin{array}{r} 155 \\ 11 \overline{) 1709} \\ \underline{1705} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 13 = 131 \text{ remainder } 6$$

$$\begin{array}{r} 131 \\ 13 \overline{) 1709} \\ \underline{1703} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 17 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 17 \overline{) 1709} \\ \underline{1700} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 19 = 89 \text{ remainder } 18$$

$$\begin{array}{r} 89 \\ 19 \overline{) 1709} \\ \underline{1691} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 23 = 74 \text{ remainder } 7$$

$$\begin{array}{r} 74 \\ 23 \overline{) 1709} \\ \underline{1702} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 29 = 58 \text{ remainder } 27$$

$$\begin{array}{r} 58 \\ 29 \overline{) 1709} \\ \underline{1682} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$1709 \div 31 = 55 \text{ remainder } 4$$

$$\begin{array}{r} 55 \\ 31 \overline{) 1709} \end{array}$$



1705

----

4 ← remainder

$1709 \div 37 = 46 \text{ remainder } 7$

37 |  $\overline{46 \over 1709}$   
1702

----

7 ← remainder

$1709 \div 41 = 41 \text{ remainder } 28$

41 |  $\overline{41 \over 1709}$   
1681

----

28 ← remainder

## **P<sub>268</sub> 1721**

$$1721 \div 2 = 860 \text{ remainder } 1$$

$$\begin{array}{r} 860 \\ 2 \overline{) 1721} \\ \underline{1720} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 3 = 573 \text{ remainder } 2$$

$$\begin{array}{r} 573 \\ 3 \overline{) 1721} \\ \underline{1719} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 5 = 344 \text{ remainder } 1$$

$$\begin{array}{r} 344 \\ 5 \overline{) 1721} \\ \underline{1720} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 7 = 245 \text{ remainder } 6$$

$$\begin{array}{r} 245 \\ 7 \overline{) 1721} \\ \underline{1715} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 11 = 156 \text{ remainder } 5$$

$$\begin{array}{r} 156 \\ 11 \overline{) 1721} \\ \underline{1716} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 13 = 132 \text{ remainder } 5$$

$$\begin{array}{r} 132 \\ 13 \overline{) 1721} \\ \underline{1716} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 17 = 101 \text{ remainder } 4$$

$$\begin{array}{r} 101 \\ 17 \overline{) 1721} \\ \underline{1717} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 19 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 19 \overline{) 1721} \\ \underline{1710} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 23 = 74 \text{ remainder } 19$$

$$\begin{array}{r} 74 \\ 23 \overline{) 1721} \\ \underline{1702} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 29 = 59 \text{ remainder } 10$$

$$\begin{array}{r} 59 \\ 29 \overline{) 1721} \\ \underline{1711} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1721 \div 31 = 55 \text{ remainder } 16$$

$$\begin{array}{r} 55 \\ 31 \overline{) 1721} \end{array}$$

1705

-----

16 ← remainder

$1721 \div 37 = 46 \text{ remainder } 19$

37 |  $\overline{1721}$   
1702

-----

19 ← remainder

$1721 \div 41 = 41 \text{ remainder } 40$

41 |  $\overline{1721}$   
1681

-----

40 ← remainder

## **P<sub>269</sub> 1723**

$$1723 \div 2 = 861 \text{ remainder } 1$$

$$\begin{array}{r} 861 \\ 2 \overline{) 1723} \\ \underline{1722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 3 = 574 \text{ remainder } 1$$

$$\begin{array}{r} 574 \\ 3 \overline{) 1723} \\ \underline{1722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 5 = 344 \text{ remainder } 3$$

$$\begin{array}{r} 344 \\ 5 \overline{) 1723} \\ \underline{1720} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 7 = 246 \text{ remainder } 1$$

$$\begin{array}{r} 246 \\ 7 \overline{) 1723} \\ \underline{1722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 11 = 156 \text{ remainder } 7$$

$$\begin{array}{r} 156 \\ 11 \overline{) 1723} \\ \underline{1716} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 13 = 132 \text{ remainder } 7$$

$$\begin{array}{r} 132 \\ 13 \overline{) 1723} \\ \underline{1716} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 17 = 101 \text{ remainder } 6$$

$$\begin{array}{r} 101 \\ 17 \overline{) 1723} \\ \underline{1717} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 19 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 19 \overline{) 1723} \\ \underline{1710} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 23 = 74 \text{ remainder } 21$$

$$\begin{array}{r} 74 \\ 23 \overline{) 1723} \\ \underline{1702} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 29 = 59 \text{ remainder } 12$$

$$\begin{array}{r} 59 \\ 29 \overline{) 1723} \\ \underline{1711} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1723 \div 31 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 31 \overline{) 1723} \end{array}$$

1705

----

18 ← remainder

$1723 \div 37 = 46 \text{ remainder } 21$

37 |  $\overline{1723}$   
1702

----

21 ← remainder

$1723 \div 41 = 42 \text{ remainder } 1$

41 |  $\overline{1723}$   
1722

----

1 ← remainder

## **P<sub>270</sub> 1733**

$$1733 \div 2 = 866 \text{ remainder } 1$$

$$\begin{array}{r} 866 \\ 2 \overline{) 1733} \\ \underline{1732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 3 = 577 \text{ remainder } 2$$

$$\begin{array}{r} 577 \\ 3 \overline{) 1733} \\ \underline{1731} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 5 = 346 \text{ remainder } 3$$

$$\begin{array}{r} 346 \\ 5 \overline{) 1733} \\ \underline{1730} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 7 = 247 \text{ remainder } 4$$

$$\begin{array}{r} 247 \\ 7 \overline{) 1733} \\ \underline{1729} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 11 = 157 \text{ remainder } 6$$

$$\begin{array}{r} 157 \\ 11 \overline{) 1733} \\ \underline{1727} \\ 6 \end{array} \leftarrow \text{remainder}$$



$$1733 \div 13 = 133 \text{ remainder } 4$$

$$\begin{array}{r} 133 \\ 13 \overline{) 1733} \\ \underline{1729} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 17 = 101 \text{ remainder } 16$$

$$\begin{array}{r} 101 \\ 17 \overline{) 1733} \\ \underline{1717} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 19 = 91 \text{ remainder } 4$$

$$\begin{array}{r} 91 \\ 19 \overline{) 1733} \\ \underline{1729} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 23 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 23 \overline{) 1733} \\ \underline{1725} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 29 = 59 \text{ remainder } 22$$

$$\begin{array}{r} 59 \\ 29 \overline{) 1733} \\ \underline{1711} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1733 \div 31 = 55 \text{ remainder } 28$$

$$\begin{array}{r} 55 \\ 31 \overline{) 1733} \end{array}$$

1705

----

28 ← remainder

$1733 \div 37 = 46 \text{ remainder } 31$

37 |  $\overline{1733}$   
1702

----

31 ← remainder

$1733 \div 41 = 42 \text{ remainder } 11$

41 |  $\overline{1733}$   
1722

----

11 ← remainder

## **P<sub>271</sub> 1741**

$$1741 \div 2 = 870 \text{ remainder } 1$$

$$\begin{array}{r} 870 \\ 2 \overline{) 1741} \\ \underline{1740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 3 = 580 \text{ remainder } 1$$

$$\begin{array}{r} 580 \\ 3 \overline{) 1741} \\ \underline{1740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 5 = 348 \text{ remainder } 1$$

$$\begin{array}{r} 348 \\ 5 \overline{) 1741} \\ \underline{1740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 7 = 248 \text{ remainder } 5$$

$$\begin{array}{r} 248 \\ 7 \overline{) 1741} \\ \underline{1736} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 11 = 158 \text{ remainder } 3$$

$$\begin{array}{r} 158 \\ 11 \overline{) 1741} \\ \underline{1738} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 13 = 133 \text{ remainder } 12$$

$$\begin{array}{r} 133 \\ 13 \overline{) 1741} \\ \underline{1729} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 17 = 102 \text{ remainder } 7$$

$$\begin{array}{r} 102 \\ 17 \overline{) 1741} \\ \underline{1734} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 19 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 19 \overline{) 1741} \\ \underline{1729} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 23 = 75 \text{ remainder } 16$$

$$\begin{array}{r} 75 \\ 23 \overline{) 1741} \\ \underline{1725} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 29 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 29 \overline{) 1741} \\ \underline{1740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1741 \div 31 = 56 \text{ remainder } 5$$

$$\begin{array}{r} 56 \\ 31 \overline{) 1741} \end{array}$$

1736

----

5 ← remainder

$1741 \div 37 = 47 \text{ remainder } 2$

47  
37 |  $\overline{1741}$   
1739

----

2 ← remainder

$1741 \div 41 = 42 \text{ remainder } 19$

42  
41 |  $\overline{1741}$   
1722

----

19 ← remainder

## **P<sub>272</sub> 1747**

$$1747 \div 2 = 873 \text{ remainder } 1$$

$$\begin{array}{r} 873 \\ 2 \overline{) 1747} \\ \underline{1746} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 3 = 582 \text{ remainder } 1$$

$$\begin{array}{r} 582 \\ 3 \overline{) 1747} \\ \underline{1746} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 5 = 349 \text{ remainder } 2$$

$$\begin{array}{r} 349 \\ 5 \overline{) 1747} \\ \underline{1745} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 7 = 249 \text{ remainder } 4$$

$$\begin{array}{r} 249 \\ 7 \overline{) 1747} \\ \underline{1743} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 11 = 158 \text{ remainder } 9$$

$$\begin{array}{r} 158 \\ 11 \overline{) 1747} \\ \underline{1738} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 13 = 134 \text{ remainder } 5$$

$$\begin{array}{r} 134 \\ 13 \overline{) 1747} \\ \underline{1742} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 17 = 102 \text{ remainder } 13$$

$$\begin{array}{r} 102 \\ 17 \overline{) 1747} \\ \underline{1734} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 19 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 19 \overline{) 1747} \\ \underline{1729} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 23 = 75 \text{ remainder } 22$$

$$\begin{array}{r} 75 \\ 23 \overline{) 1747} \\ \underline{1725} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 29 = 60 \text{ remainder } 7$$

$$\begin{array}{r} 60 \\ 29 \overline{) 1747} \\ \underline{1740} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1747 \div 31 = 56 \text{ remainder } 11$$

$$\begin{array}{r} 56 \\ 31 \overline{) 1747} \end{array}$$

1736

----

11 ← remainder

$1747 \div 37 = 47 \text{ remainder } 8$

47  
37 |  $\overline{1747}$   
1739

----

8 ← remainder

$1747 \div 41 = 42 \text{ remainder } 25$

42  
41 |  $\overline{1747}$   
1722

----

25 ← remainder



## **P<sub>273</sub> 1753**

$$1753 \div 2 = 876 \text{ remainder } 1$$

$$\begin{array}{r} 876 \\ 2 \overline{) 1753} \\ \underline{1752} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 3 = 584 \text{ remainder } 1$$

$$\begin{array}{r} 584 \\ 3 \overline{) 1753} \\ \underline{1752} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 5 = 350 \text{ remainder } 3$$

$$\begin{array}{r} 350 \\ 5 \overline{) 1753} \\ \underline{1750} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 7 = 250 \text{ remainder } 3$$

$$\begin{array}{r} 250 \\ 7 \overline{) 1753} \\ \underline{1750} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 11 = 159 \text{ remainder } 4$$

$$\begin{array}{r} 159 \\ 11 \overline{) 1753} \\ \underline{1749} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 13 = 134 \text{ remainder } 11$$

$$\begin{array}{r} 134 \\ 13 \overline{) 1753} \\ \underline{1742} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 17 = 103 \text{ remainder } 2$$

$$\begin{array}{r} 103 \\ 17 \overline{) 1753} \\ \underline{1751} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 19 = 92 \text{ remainder } 5$$

$$\begin{array}{r} 92 \\ 19 \overline{) 1753} \\ \underline{1748} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 23 = 76 \text{ remainder } 5$$

$$\begin{array}{r} 76 \\ 23 \overline{) 1753} \\ \underline{1748} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 29 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 29 \overline{) 1753} \\ \underline{1740} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1753 \div 31 = 56 \text{ remainder } 17$$

$$\begin{array}{r} 56 \\ 31 \overline{) 1753} \end{array}$$

1736

----

17 ← remainder

$1753 \div 37 = 47 \text{ remainder } 14$

37 |  $\overline{47 \over 1753}$   
1739

----

14 ← remainder

$1753 \div 41 = 42 \text{ remainder } 31$

41 |  $\overline{42 \over 1753}$   
1722

----

31 ← remainder

## **P<sub>274</sub> 1759**

$$1759 \div 2 = 879 \text{ remainder } 1$$

$$\begin{array}{r} 879 \\ 2 \overline{) 1759} \\ \underline{1758} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 3 = 586 \text{ remainder } 1$$

$$\begin{array}{r} 586 \\ 3 \overline{) 1759} \\ \underline{1758} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 5 = 351 \text{ remainder } 4$$

$$\begin{array}{r} 351 \\ 5 \overline{) 1759} \\ \underline{1755} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 7 = 251 \text{ remainder } 2$$

$$\begin{array}{r} 251 \\ 7 \overline{) 1759} \\ \underline{1757} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 11 = 159 \text{ remainder } 10$$

$$\begin{array}{r} 159 \\ 11 \overline{) 1759} \\ \underline{1749} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 13 = 135 \text{ remainder } 4$$

$$\begin{array}{r} 135 \\ 13 \overline{) 1759} \\ \underline{1755} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 17 = 103 \text{ remainder } 8$$

$$\begin{array}{r} 103 \\ 17 \overline{) 1759} \\ \underline{1751} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 19 = 92 \text{ remainder } 11$$

$$\begin{array}{r} 92 \\ 19 \overline{) 1759} \\ \underline{1748} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 23 = 76 \text{ remainder } 11$$

$$\begin{array}{r} 76 \\ 23 \overline{) 1759} \\ \underline{1748} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 29 = 60 \text{ remainder } 19$$

$$\begin{array}{r} 60 \\ 29 \overline{) 1759} \\ \underline{1740} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1759 \div 31 = 56 \text{ remainder } 23$$

$$\begin{array}{r} 56 \\ 31 \overline{) 1759} \end{array}$$

1736

----

23 ← remainder

$1759 \div 37 = 47 \text{ remainder } 20$

37 |  $\overline{47 \over 1759}$   
1739

----

20 ← remainder

$1759 \div 41 = 42 \text{ remainder } 37$

41 |  $\overline{42 \over 1759}$   
1722

----

37 ← remainder

## **P<sub>275</sub> 1777**

$$1777 \div 2 = 888 \text{ remainder } 1$$

$$\begin{array}{r} 888 \\ 2 \overline{) 1777} \\ \underline{1776} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 3 = 592 \text{ remainder } 1$$

$$\begin{array}{r} 592 \\ 3 \overline{) 1777} \\ \underline{1776} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 5 = 355 \text{ remainder } 2$$

$$\begin{array}{r} 355 \\ 5 \overline{) 1777} \\ \underline{1775} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 7 = 253 \text{ remainder } 6$$

$$\begin{array}{r} 253 \\ 7 \overline{) 1777} \\ \underline{1771} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 11 = 161 \text{ remainder } 6$$

$$\begin{array}{r} 161 \\ 11 \overline{) 1777} \\ \underline{1771} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 13 = 136 \text{ remainder } 9$$

$$\begin{array}{r} 136 \\ 13 \overline{) 1777} \\ \underline{1768} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 17 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 17 \overline{) 1777} \\ \underline{1768} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 19 = 93 \text{ remainder } 10$$

$$\begin{array}{r} 93 \\ 19 \overline{) 1777} \\ \underline{1767} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 23 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 23 \overline{) 1777} \\ \underline{1771} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 29 = 61 \text{ remainder } 8$$

$$\begin{array}{r} 61 \\ 29 \overline{) 1777} \\ \underline{1769} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1777 \div 31 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 31 \overline{) 1777} \end{array}$$



1767

----

10 ← remainder

$1777 \div 37 = 48 \text{ remainder } 1$

48  
37 |  $\overline{1777}$   
1776

----

1 ← remainder

$1777 \div 41 = 43 \text{ remainder } 14$

43  
41 |  $\overline{1777}$   
1763

----

14 ← remainder

## **P<sub>276</sub> 1783**

$$1783 \div 2 = 891 \text{ remainder } 1$$

$$\begin{array}{r} 891 \\ 2 \overline{) 1783} \\ \underline{1782} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 3 = 594 \text{ remainder } 1$$

$$\begin{array}{r} 594 \\ 3 \overline{) 1783} \\ \underline{1782} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 5 = 356 \text{ remainder } 3$$

$$\begin{array}{r} 356 \\ 5 \overline{) 1783} \\ \underline{1780} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 7 = 254 \text{ remainder } 5$$

$$\begin{array}{r} 254 \\ 7 \overline{) 1783} \\ \underline{1778} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 11 = 162 \text{ remainder } 1$$

$$\begin{array}{r} 162 \\ 11 \overline{) 1783} \\ \underline{1782} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 13 = 137 \text{ remainder } 2$$

$$\begin{array}{r} 137 \\ 13 \overline{) 1783} \\ \underline{1781} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 17 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 17 \overline{) 1783} \\ \underline{1768} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 19 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 19 \overline{) 1783} \\ \underline{1767} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 23 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 23 \overline{) 1783} \\ \underline{1771} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 29 = 61 \text{ remainder } 14$$

$$\begin{array}{r} 61 \\ 29 \overline{) 1783} \\ \underline{1769} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1783 \div 31 = 57 \text{ remainder } 16$$

$$\begin{array}{r} 57 \\ 31 \overline{) 1783} \end{array}$$

1767

----

16 ← remainder

$$1783 \div 37 = 48 \text{ remainder } 7$$

$$\begin{array}{r} 48 \\ 37 \overline{) 1783} \\ \underline{1776} \end{array}$$

----

7 ← remainder

$$1783 \div 41 = 43 \text{ remainder } 20$$

$$\begin{array}{r} 43 \\ 41 \overline{) 1783} \\ \underline{1763} \end{array}$$

----

20 ← remainder

## **P<sub>277</sub> 1787**

$$1787 \div 2 = 893 \text{ remainder } 1$$

$$\begin{array}{r} 893 \\ 2 \overline{) 1787} \\ \underline{1786} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 3 = 595 \text{ remainder } 2$$

$$\begin{array}{r} 595 \\ 3 \overline{) 1787} \\ \underline{1785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 5 = 357 \text{ remainder } 2$$

$$\begin{array}{r} 357 \\ 5 \overline{) 1787} \\ \underline{1785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 7 = 255 \text{ remainder } 2$$

$$\begin{array}{r} 255 \\ 7 \overline{) 1787} \\ \underline{1785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 11 = 162 \text{ remainder } 5$$

$$\begin{array}{r} 162 \\ 11 \overline{) 1787} \\ \underline{1782} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 13 = 137 \text{ remainder } 6$$

$$\begin{array}{r} 137 \\ 13 \overline{) 1787} \\ \underline{1781} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 17 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 17 \overline{) 1787} \\ \underline{1785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 19 = 94 \text{ remainder } 1$$

$$\begin{array}{r} 94 \\ 19 \overline{) 1787} \\ \underline{1786} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 23 = 77 \text{ remainder } 16$$

$$\begin{array}{r} 77 \\ 23 \overline{) 1787} \\ \underline{1771} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 29 = 61 \text{ remainder } 18$$

$$\begin{array}{r} 61 \\ 29 \overline{) 1787} \\ \underline{1769} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1787 \div 31 = 57 \text{ remainder } 20$$

$$\begin{array}{r} 57 \\ 31 \overline{) 1787} \end{array}$$

1767

----

20 ← remainder

$$1787 \div 37 = 48 \text{ remainder } 11$$

$$\begin{array}{r} 48 \\ 37 \overline{) 1787} \\ \underline{1776} \end{array}$$

----

11 ← remainder

$$1787 \div 41 = 43 \text{ remainder } 24$$

$$\begin{array}{r} 43 \\ 41 \overline{) 1787} \\ \underline{1763} \end{array}$$

----

24 ← remainder

## **P<sub>278</sub> 1789**

$$1789 \div 2 = 894 \text{ remainder } 1$$

$$\begin{array}{r} 894 \\ 2 \overline{) 1789} \\ \underline{1788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 3 = 596 \text{ remainder } 1$$

$$\begin{array}{r} 596 \\ 3 \overline{) 1789} \\ \underline{1788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 5 = 357 \text{ remainder } 4$$

$$\begin{array}{r} 357 \\ 5 \overline{) 1789} \\ \underline{1785} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 7 = 255 \text{ remainder } 4$$

$$\begin{array}{r} 255 \\ 7 \overline{) 1789} \\ \underline{1785} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 11 = 162 \text{ remainder } 7$$

$$\begin{array}{r} 162 \\ 11 \overline{) 1789} \\ \underline{1782} \\ 7 \end{array} \leftarrow \text{remainder}$$



$$1789 \div 13 = 137 \text{ remainder } 8$$

$$\begin{array}{r} 137 \\ 13 \overline{) 1789} \\ \underline{1781} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 17 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 17 \overline{) 1789} \\ \underline{1785} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 19 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 19 \overline{) 1789} \\ \underline{1786} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 23 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 23 \overline{) 1789} \\ \underline{1771} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 29 = 61 \text{ remainder } 20$$

$$\begin{array}{r} 61 \\ 29 \overline{) 1789} \\ \underline{1769} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1789 \div 31 = 57 \text{ remainder } 22$$

$$\begin{array}{r} 57 \\ 31 \overline{) 1789} \end{array}$$

$$\begin{array}{r}
 1767 \\
 \text{----} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$1789 \div 37 = 48 \text{ remainder } 13$$

$$\begin{array}{r}
 48 \\
 37 \overline{) 1789} \\
 \underline{1776} \\
 \text{----} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1789 \div 41 = 43 \text{ remainder } 26$$

$$\begin{array}{r}
 43 \\
 41 \overline{) 1789} \\
 \underline{1763} \\
 \text{----} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

## **P<sub>279</sub> 1801**

$$1801 \div 2 = 900 \text{ remainder } 1$$

$$\begin{array}{r} 900 \\ 2 \overline{) 1801} \\ \underline{1800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1801 \div 3 = 600 \text{ remainder } 1$$

$$\begin{array}{r} 600 \\ 3 \overline{) 1801} \\ \underline{1800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1801 \div 5 = 360 \text{ remainder } 1$$

$$\begin{array}{r} 360 \\ 5 \overline{) 1801} \\ \underline{1800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1801 \div 7 = 257 \text{ remainder } 2$$

$$\begin{array}{r} 257 \\ 7 \overline{) 1801} \\ \underline{1799} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1801 \div 11 = 163 \text{ remainder } 8$$

$$\begin{array}{r} 163 \\ 11 \overline{) 1801} \\ \underline{1793} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1801 \div 13 = 138 \text{ remainder } 7$$

$$\begin{array}{r} 138 \\ 13 \overline{) 1801} \\ \underline{1794} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1801 \div 17 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 17 \overline{) 1801} \\ \underline{1785} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1801 \div 19 = 94 \text{ remainder } 15$$

$$\begin{array}{r} 94 \\ 19 \overline{) 1801} \\ \underline{1786} \phantom{00} \\ 15 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1801 \div 23 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 23 \overline{) 1801} \\ \underline{1794} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1801 \div 29 = 62 \text{ remainder } 3$$

$$\begin{array}{r} 62 \\ 29 \overline{) 1801} \\ \underline{1798} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1801 \div 31 = 58 \text{ remainder } 3$$

$$\begin{array}{r} 58 \\ 31 \overline{) 1801} \end{array}$$

1798

----

3 ← remainder

$1801 \div 37 = 48 \text{ remainder } 25$

48  
37 |  $\overline{1801}$   
1776

----

25 ← remainder

$1801 \div 41 = 43 \text{ remainder } 38$

43  
41 |  $\overline{1801}$   
1763

----

38 ← remainder

## **P<sub>280</sub> 1811**

$$1811 \div 2 = 905 \text{ remainder } 1$$

$$\begin{array}{r} 905 \\ 2 \overline{) 1811} \\ \underline{1810} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 3 = 603 \text{ remainder } 2$$

$$\begin{array}{r} 603 \\ 3 \overline{) 1811} \\ \underline{1809} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 5 = 362 \text{ remainder } 1$$

$$\begin{array}{r} 362 \\ 5 \overline{) 1811} \\ \underline{1810} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 7 = 258 \text{ remainder } 5$$

$$\begin{array}{r} 258 \\ 7 \overline{) 1811} \\ \underline{1806} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 11 = 164 \text{ remainder } 7$$

$$\begin{array}{r} 164 \\ 11 \overline{) 1811} \\ \underline{1804} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 13 = 139 \text{ remainder } 4$$

$$\begin{array}{r} 139 \\ 13 \overline{) 1811} \\ \underline{1807} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 17 = 106 \text{ remainder } 9$$

$$\begin{array}{r} 106 \\ 17 \overline{) 1811} \\ \underline{1802} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 19 = 95 \text{ remainder } 6$$

$$\begin{array}{r} 95 \\ 19 \overline{) 1811} \\ \underline{1805} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 23 = 78 \text{ remainder } 17$$

$$\begin{array}{r} 78 \\ 23 \overline{) 1811} \\ \underline{1794} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 29 = 62 \text{ remainder } 13$$

$$\begin{array}{r} 62 \\ 29 \overline{) 1811} \\ \underline{1798} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1811 \div 31 = 58 \text{ remainder } 13$$

$$\begin{array}{r} 58 \\ 31 \overline{) 1811} \end{array}$$

1798

----

13 ← remainder

$1811 \div 37 = 48 \text{ remainder } 35$

48  
37 |  $\overline{1811}$   
1776

----

35 ← remainder

$1811 \div 41 = 44 \text{ remainder } 7$

44  
41 |  $\overline{1811}$   
1804

----

7 ← remainder



## **P<sub>281</sub> 1823**

$$1823 \div 2 = 911 \text{ remainder } 1$$

$$\begin{array}{r} 911 \\ 2 \overline{) 1823} \\ \underline{1822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 3 = 607 \text{ remainder } 2$$

$$\begin{array}{r} 607 \\ 3 \overline{) 1823} \\ \underline{1821} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 5 = 364 \text{ remainder } 3$$

$$\begin{array}{r} 364 \\ 5 \overline{) 1823} \\ \underline{1820} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 7 = 260 \text{ remainder } 3$$

$$\begin{array}{r} 260 \\ 7 \overline{) 1823} \\ \underline{1820} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 11 = 165 \text{ remainder } 8$$

$$\begin{array}{r} 165 \\ 11 \overline{) 1823} \\ \underline{1815} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 13 = 140 \text{ remainder } 3$$

$$\begin{array}{r} 140 \\ 13 \overline{) 1823} \\ \underline{1820} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 17 = 107 \text{ remainder } 4$$

$$\begin{array}{r} 107 \\ 17 \overline{) 1823} \\ \underline{1819} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 19 = 95 \text{ remainder } 18$$

$$\begin{array}{r} 95 \\ 19 \overline{) 1823} \\ \underline{1805} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 23 = 79 \text{ remainder } 6$$

$$\begin{array}{r} 79 \\ 23 \overline{) 1823} \\ \underline{1817} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 29 = 62 \text{ remainder } 25$$

$$\begin{array}{r} 62 \\ 29 \overline{) 1823} \\ \underline{1798} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$1823 \div 31 = 58 \text{ remainder } 25$$

$$\begin{array}{r} 58 \\ 31 \overline{) 1823} \end{array}$$

1798

-----

25 ← remainder

$1823 \div 37 = 49 \text{ remainder } 10$

37 |  $\overline{1823}$   
1813

-----

10 ← remainder

$1823 \div 41 = 44 \text{ remainder } 19$

41 |  $\overline{1823}$   
1804

-----

19 ← remainder

## **P<sub>282</sub> 1831**

$$1831 \div 2 = 915 \text{ remainder } 1$$

$$\begin{array}{r} 915 \\ 2 \overline{) 1831} \\ \underline{1830} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 3 = 610 \text{ remainder } 1$$

$$\begin{array}{r} 610 \\ 3 \overline{) 1831} \\ \underline{1830} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 5 = 366 \text{ remainder } 1$$

$$\begin{array}{r} 366 \\ 5 \overline{) 1831} \\ \underline{1830} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 7 = 261 \text{ remainder } 4$$

$$\begin{array}{r} 261 \\ 7 \overline{) 1831} \\ \underline{1827} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 11 = 166 \text{ remainder } 5$$

$$\begin{array}{r} 166 \\ 11 \overline{) 1831} \\ \underline{1826} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 13 = 140 \text{ remainder } 11$$

$$\begin{array}{r} 140 \\ 13 \overline{) 1831} \\ \underline{1820} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 17 = 107 \text{ remainder } 12$$

$$\begin{array}{r} 107 \\ 17 \overline{) 1831} \\ \underline{1819} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 19 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 19 \overline{) 1831} \\ \underline{1824} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 23 = 79 \text{ remainder } 14$$

$$\begin{array}{r} 79 \\ 23 \overline{) 1831} \\ \underline{1817} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 29 = 63 \text{ remainder } 4$$

$$\begin{array}{r} 63 \\ 29 \overline{) 1831} \\ \underline{1827} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1831 \div 31 = 59 \text{ remainder } 2$$

$$\begin{array}{r} 59 \\ 31 \overline{) 1831} \end{array}$$

1829

----

2 ← remainder

$1831 \div 37 = 49$  remainder 18

49  
37 |  $\overline{1831}$   
1813

----

18 ← remainder

$1831 \div 41 = 44$  remainder 27

44  
41 |  $\overline{1831}$   
1804

----

27 ← remainder

## **P<sub>283</sub> 1847**

$$1847 \div 2 = 923 \text{ remainder } 1$$

$$\begin{array}{r} 923 \\ 2 \overline{) 1847} \\ \underline{1846} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 3 = 615 \text{ remainder } 2$$

$$\begin{array}{r} 615 \\ 3 \overline{) 1847} \\ \underline{1845} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 5 = 369 \text{ remainder } 2$$

$$\begin{array}{r} 369 \\ 5 \overline{) 1847} \\ \underline{1845} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 7 = 263 \text{ remainder } 6$$

$$\begin{array}{r} 263 \\ 7 \overline{) 1847} \\ \underline{1841} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 11 = 167 \text{ remainder } 10$$

$$\begin{array}{r} 167 \\ 11 \overline{) 1847} \\ \underline{1837} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 13 = 142 \text{ remainder } 1$$

$$\begin{array}{r} 142 \\ 13 \overline{) 1847} \\ \underline{1846} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 17 = 108 \text{ remainder } 11$$

$$\begin{array}{r} 108 \\ 17 \overline{) 1847} \\ \underline{1836} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 19 = 97 \text{ remainder } 4$$

$$\begin{array}{r} 97 \\ 19 \overline{) 1847} \\ \underline{1843} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 23 = 80 \text{ remainder } 7$$

$$\begin{array}{r} 80 \\ 23 \overline{) 1847} \\ \underline{1840} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 29 = 63 \text{ remainder } 20$$

$$\begin{array}{r} 63 \\ 29 \overline{) 1847} \\ \underline{1827} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1847 \div 31 = 59 \text{ remainder } 18$$

$$\begin{array}{r} 59 \\ 31 \overline{) 1847} \end{array}$$



1829

----

18 ← remainder

$1847 \div 37 = 49 \text{ remainder } 34$

49  
37 |  $\overline{1847}$   
1813

----

34 ← remainder

$1847 \div 41 = 45 \text{ remainder } 2$

45  
41 |  $\overline{1847}$   
1845

----

2 ← remainder

## **P<sub>284</sub> 1861**

$$1861 \div 2 = 930 \text{ remainder } 1$$

$$\begin{array}{r} 930 \\ 2 \overline{) 1861} \\ \underline{1860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 3 = 620 \text{ remainder } 1$$

$$\begin{array}{r} 620 \\ 3 \overline{) 1861} \\ \underline{1860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 5 = 372 \text{ remainder } 1$$

$$\begin{array}{r} 372 \\ 5 \overline{) 1861} \\ \underline{1860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 7 = 265 \text{ remainder } 6$$

$$\begin{array}{r} 265 \\ 7 \overline{) 1861} \\ \underline{1855} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 11 = 169 \text{ remainder } 2$$

$$\begin{array}{r} 169 \\ 11 \overline{) 1861} \\ \underline{1859} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 13 = 143 \text{ remainder } 2$$

$$\begin{array}{r} 143 \\ 13 \overline{) 1861} \\ \underline{1859} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 17 = 109 \text{ remainder } 8$$

$$\begin{array}{r} 109 \\ 17 \overline{) 1861} \\ \underline{1853} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 19 = 97 \text{ remainder } 18$$

$$\begin{array}{r} 97 \\ 19 \overline{) 1861} \\ \underline{1843} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 23 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 23 \overline{) 1861} \\ \underline{1840} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 29 = 64 \text{ remainder } 5$$

$$\begin{array}{r} 64 \\ 29 \overline{) 1861} \\ \underline{1856} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1861 \div 31 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1861} \end{array}$$

1860

----

1 ← remainder

$1861 \div 37 = 50 \text{ remainder } 11$

37 |  $\overline{50 \over 1861}$   
1850

----

11 ← remainder

$1861 \div 41 = 45 \text{ remainder } 16$

41 |  $\overline{45 \over 1861}$   
1845

----

16 ← remainder

$1861 \div 43 = 43 \text{ remainder } 12$

43 |  $\overline{43 \over 1861}$   
1849

----

12 ← remainder

## **P<sub>285</sub> 1867**

$$1867 \div 2 = 933 \text{ remainder } 1$$

$$\begin{array}{r} 933 \\ 2 \overline{) 1867} \\ \underline{1866} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 3 = 622 \text{ remainder } 1$$

$$\begin{array}{r} 622 \\ 3 \overline{) 1867} \\ \underline{1866} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 5 = 373 \text{ remainder } 2$$

$$\begin{array}{r} 373 \\ 5 \overline{) 1867} \\ \underline{1865} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 7 = 266 \text{ remainder } 5$$

$$\begin{array}{r} 266 \\ 7 \overline{) 1867} \\ \underline{1862} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 11 = 169 \text{ remainder } 8$$

$$\begin{array}{r} 169 \\ 11 \overline{) 1867} \\ \underline{1859} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 13 = 143 \text{ remainder } 8$$

$$\begin{array}{r} 143 \\ 13 \overline{) 1867} \\ \underline{1859} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 17 = 109 \text{ remainder } 14$$

$$\begin{array}{r} 109 \\ 17 \overline{) 1867} \\ \underline{1853} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 19 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 19 \overline{) 1867} \\ \underline{1862} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 23 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 23 \overline{) 1867} \\ \underline{1863} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 29 = 64 \text{ remainder } 11$$

$$\begin{array}{r} 64 \\ 29 \overline{) 1867} \\ \underline{1856} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1867 \div 31 = 60 \text{ remainder } 7$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1867} \end{array}$$

1860

----

7 ← remainder

$1867 \div 37 = 50 \text{ remainder } 17$

50  
37 |  $\overline{1867}$   
1850

----

17 ← remainder

$1867 \div 41 = 45 \text{ remainder } 22$

45  
41 |  $\overline{1867}$   
1845

----

22 ← remainder

$1867 \div 43 = 43 \text{ remainder } 18$

43  
43 |  $\overline{1867}$   
1849

----

18 ← remainder

## **P<sub>286</sub> 1871**

$$1871 \div 2 = 935 \text{ remainder } 1$$

$$\begin{array}{r} 935 \\ 2 \overline{) 1871} \\ \underline{1870} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 3 = 623 \text{ remainder } 2$$

$$\begin{array}{r} 623 \\ 3 \overline{) 1871} \\ \underline{1869} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 5 = 374 \text{ remainder } 1$$

$$\begin{array}{r} 374 \\ 5 \overline{) 1871} \\ \underline{1870} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 7 = 267 \text{ remainder } 2$$

$$\begin{array}{r} 267 \\ 7 \overline{) 1871} \\ \underline{1869} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 11 = 170 \text{ remainder } 1$$

$$\begin{array}{r} 170 \\ 11 \overline{) 1871} \\ \underline{1870} \\ 1 \end{array} \leftarrow \text{remainder}$$



$$1871 \div 13 = 143 \text{ remainder } 12$$

$$\begin{array}{r} 143 \\ 13 \overline{) 1871} \\ \underline{1859} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 17 = 110 \text{ remainder } 1$$

$$\begin{array}{r} 110 \\ 17 \overline{) 1871} \\ \underline{1870} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 19 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 19 \overline{) 1871} \\ \underline{1862} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 23 = 81 \text{ remainder } 8$$

$$\begin{array}{r} 81 \\ 23 \overline{) 1871} \\ \underline{1863} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 29 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 29 \overline{) 1871} \\ \underline{1856} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1871 \div 31 = 60 \text{ remainder } 11$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1871} \end{array}$$

1860

----

11 ← remainder

$1871 \div 37 = 50$  remainder 21

50  
37 |  $\overline{1871}$   
1850

----

21 ← remainder

$1871 \div 41 = 45$  remainder 26

45  
41 |  $\overline{1871}$   
1845

----

26 ← remainder

$1871 \div 43 = 43$  remainder 22

43  
43 |  $\overline{1871}$   
1849

----

22 ← remainder

## **P<sub>287</sub> 1873**

$$1873 \div 2 = 936 \text{ remainder } 1$$

$$\begin{array}{r} 936 \\ 2 \overline{) 1873} \\ \underline{1872} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 3 = 624 \text{ remainder } 1$$

$$\begin{array}{r} 624 \\ 3 \overline{) 1873} \\ \underline{1872} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 5 = 374 \text{ remainder } 3$$

$$\begin{array}{r} 374 \\ 5 \overline{) 1873} \\ \underline{1870} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 7 = 267 \text{ remainder } 4$$

$$\begin{array}{r} 267 \\ 7 \overline{) 1873} \\ \underline{1869} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 11 = 170 \text{ remainder } 3$$

$$\begin{array}{r} 170 \\ 11 \overline{) 1873} \\ \underline{1870} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 13 = 144 \text{ remainder } 1$$

$$\begin{array}{r} 144 \\ 13 \overline{) 1873} \\ \underline{1872} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 17 = 110 \text{ remainder } 3$$

$$\begin{array}{r} 110 \\ 17 \overline{) 1873} \\ \underline{1870} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 19 = 98 \text{ remainder } 11$$

$$\begin{array}{r} 98 \\ 19 \overline{) 1873} \\ \underline{1862} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 23 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 23 \overline{) 1873} \\ \underline{1863} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 29 = 64 \text{ remainder } 17$$

$$\begin{array}{r} 64 \\ 29 \overline{) 1873} \\ \underline{1856} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1873 \div 31 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1873} \end{array}$$

1860

----

13 ← remainder

$$1873 \div 37 = 50 \text{ remainder } 23$$

$$\begin{array}{r} 50 \\ 37 \overline{) 1873} \\ \underline{1850} \end{array}$$

----

23 ← remainder

$$1873 \div 41 = 45 \text{ remainder } 28$$

$$\begin{array}{r} 45 \\ 41 \overline{) 1873} \\ \underline{1845} \end{array}$$

----

28 ← remainder

$$1873 \div 43 = 43 \text{ remainder } 24$$

$$\begin{array}{r} 43 \\ 43 \overline{) 1873} \\ \underline{1849} \end{array}$$

----

24 ← remainder

## **P<sub>288</sub> 1877**

$$1877 \div 2 = 938 \text{ remainder } 1$$

$$\begin{array}{r} 938 \\ 2 \overline{) 1877} \\ \underline{1876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 3 = 625 \text{ remainder } 2$$

$$\begin{array}{r} 625 \\ 3 \overline{) 1877} \\ \underline{1875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 5 = 375 \text{ remainder } 2$$

$$\begin{array}{r} 375 \\ 5 \overline{) 1877} \\ \underline{1875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 7 = 268 \text{ remainder } 1$$

$$\begin{array}{r} 268 \\ 7 \overline{) 1877} \\ \underline{1876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 11 = 170 \text{ remainder } 7$$

$$\begin{array}{r} 170 \\ 11 \overline{) 1877} \\ \underline{1870} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 13 = 144 \text{ remainder } 5$$

$$\begin{array}{r} 144 \\ 13 \overline{) 1877} \\ \underline{1872} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 17 = 110 \text{ remainder } 7$$

$$\begin{array}{r} 110 \\ 17 \overline{) 1877} \\ \underline{1870} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 19 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 19 \overline{) 1877} \\ \underline{1862} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 23 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 23 \overline{) 1877} \\ \underline{1863} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 29 = 64 \text{ remainder } 21$$

$$\begin{array}{r} 64 \\ 29 \overline{) 1877} \\ \underline{1856} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1877 \div 31 = 60 \text{ remainder } 17$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1877} \end{array}$$

1860

----

17 ← remainder

$$1877 \div 37 = 50 \text{ remainder } 27$$

$$\begin{array}{r} 50 \\ 37 \overline{) 1877} \\ \underline{1850} \end{array}$$

----

27 ← remainder

$$1877 \div 41 = 45 \text{ remainder } 32$$

$$\begin{array}{r} 45 \\ 41 \overline{) 1877} \\ \underline{1845} \end{array}$$

----

32 ← remainder

$$1877 \div 43 = 43 \text{ remainder } 28$$

$$\begin{array}{r} 43 \\ 43 \overline{) 1877} \\ \underline{1849} \end{array}$$

----

28 ← remainder



## **P<sub>289</sub> 1879**

$$1879 \div 2 = 939 \text{ remainder } 1$$

$$\begin{array}{r} 939 \\ 2 \overline{) 1879} \\ \underline{1878} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 3 = 626 \text{ remainder } 1$$

$$\begin{array}{r} 626 \\ 3 \overline{) 1879} \\ \underline{1878} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 5 = 375 \text{ remainder } 4$$

$$\begin{array}{r} 375 \\ 5 \overline{) 1879} \\ \underline{1875} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 7 = 268 \text{ remainder } 3$$

$$\begin{array}{r} 268 \\ 7 \overline{) 1879} \\ \underline{1876} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 11 = 170 \text{ remainder } 9$$

$$\begin{array}{r} 170 \\ 11 \overline{) 1879} \\ \underline{1870} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 13 = 144 \text{ remainder } 7$$

$$\begin{array}{r} 144 \\ 13 \overline{) 1879} \\ \underline{1872} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 17 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 17 \overline{) 1879} \\ \underline{1870} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 19 = 98 \text{ remainder } 17$$

$$\begin{array}{r} 98 \\ 19 \overline{) 1879} \\ \underline{1862} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 23 = 81 \text{ remainder } 16$$

$$\begin{array}{r} 81 \\ 23 \overline{) 1879} \\ \underline{1863} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 29 = 64 \text{ remainder } 23$$

$$\begin{array}{r} 64 \\ 29 \overline{) 1879} \\ \underline{1856} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$1879 \div 31 = 60 \text{ remainder } 19$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1879} \end{array}$$

1860

----

19 ← remainder

$$1879 \div 37 = 50 \text{ remainder } 29$$

$$\begin{array}{r} 50 \\ 37 \overline{) 1879} \\ \underline{1850} \end{array}$$

----

29 ← remainder

$$1879 \div 41 = 45 \text{ remainder } 34$$

$$\begin{array}{r} 45 \\ 41 \overline{) 1879} \\ \underline{1845} \end{array}$$

----

34 ← remainder

$$1879 \div 43 = 43 \text{ remainder } 30$$

$$\begin{array}{r} 43 \\ 43 \overline{) 1879} \\ \underline{1849} \end{array}$$

----

30 ← remainder

## **P<sub>290</sub> 1889**

$$1889 \div 2 = 944 \text{ remainder } 1$$

$$\begin{array}{r} 944 \\ 2 \overline{) 1889} \\ \underline{1888} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 3 = 629 \text{ remainder } 2$$

$$\begin{array}{r} 629 \\ 3 \overline{) 1889} \\ \underline{1887} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 5 = 377 \text{ remainder } 4$$

$$\begin{array}{r} 377 \\ 5 \overline{) 1889} \\ \underline{1885} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 7 = 269 \text{ remainder } 6$$

$$\begin{array}{r} 269 \\ 7 \overline{) 1889} \\ \underline{1883} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 11 = 171 \text{ remainder } 8$$

$$\begin{array}{r} 171 \\ 11 \overline{) 1889} \\ \underline{1881} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 13 = 145 \text{ remainder } 4$$

$$\begin{array}{r} 145 \\ 13 \overline{) 1889} \\ \underline{1885} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 17 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 17 \overline{) 1889} \\ \underline{1887} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 19 = 99 \text{ remainder } 8$$

$$\begin{array}{r} 99 \\ 19 \overline{) 1889} \\ \underline{1881} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 23 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 23 \overline{) 1889} \\ \underline{1886} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 29 = 65 \text{ remainder } 4$$

$$\begin{array}{r} 65 \\ 29 \overline{) 1889} \\ \underline{1885} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1889 \div 31 = 60 \text{ remainder } 29$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1889} \end{array}$$

1860

----

29 ← remainder

$$1889 \div 37 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 37 \overline{) 1889} \\ \underline{1887} \end{array}$$

2

----

2 ← remainder

$$1889 \div 41 = 46 \text{ remainder } 3$$

$$\begin{array}{r} 46 \\ 41 \overline{) 1889} \\ \underline{1886} \end{array}$$

3

----

3 ← remainder

$$1889 \div 43 = 43 \text{ remainder } 40$$

$$\begin{array}{r} 43 \\ 43 \overline{) 1889} \\ \underline{1849} \end{array}$$

40

----

40 ← remainder

## **P<sub>291</sub> 1901**

$$1901 \div 2 = 950 \text{ remainder } 1$$

$$\begin{array}{r} 950 \\ 2 \overline{) 1901} \\ \underline{1900} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 3 = 633 \text{ remainder } 2$$

$$\begin{array}{r} 633 \\ 3 \overline{) 1901} \\ \underline{1899} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 5 = 380 \text{ remainder } 1$$

$$\begin{array}{r} 380 \\ 5 \overline{) 1901} \\ \underline{1900} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 7 = 271 \text{ remainder } 4$$

$$\begin{array}{r} 271 \\ 7 \overline{) 1901} \\ \underline{1897} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 11 = 172 \text{ remainder } 9$$

$$\begin{array}{r} 172 \\ 11 \overline{) 1901} \\ \underline{1892} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 13 = 146 \text{ remainder } 3$$

$$\begin{array}{r} 146 \\ 13 \overline{) 1901} \\ \underline{1898} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 17 = 111 \text{ remainder } 14$$

$$\begin{array}{r} 111 \\ 17 \overline{) 1901} \\ \underline{1887} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 19 = 100 \text{ remainder } 1$$

$$\begin{array}{r} 100 \\ 19 \overline{) 1901} \\ \underline{1900} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 23 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 23 \overline{) 1901} \\ \underline{1886} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 29 = 65 \text{ remainder } 16$$

$$\begin{array}{r} 65 \\ 29 \overline{) 1901} \\ \underline{1885} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1901 \div 31 = 61 \text{ remainder } 10$$

$$\begin{array}{r} 61 \\ 31 \overline{) 1901} \end{array}$$



$$\begin{array}{r} 1891 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1901 \div 37 = 51 \text{ remainder } 14$$

$$\begin{array}{r} 51 \\ 37 \overline{) 1901} \\ \underline{1887} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1901 \div 41 = 46 \text{ remainder } 15$$

$$\begin{array}{r} 46 \\ 41 \overline{) 1901} \\ \underline{1886} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1901 \div 43 = 44 \text{ remainder } 9$$

$$\begin{array}{r} 44 \\ 43 \overline{) 1901} \\ \underline{1892} \\ 9 \leftarrow \text{remainder} \end{array}$$

## **P<sub>292</sub> 1907**

$$1907 \div 2 = 953 \text{ remainder } 1$$

$$\begin{array}{r} 953 \\ 2 \overline{) 1907} \\ \underline{1906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 3 = 635 \text{ remainder } 2$$

$$\begin{array}{r} 635 \\ 3 \overline{) 1907} \\ \underline{1905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 5 = 381 \text{ remainder } 2$$

$$\begin{array}{r} 381 \\ 5 \overline{) 1907} \\ \underline{1905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 7 = 272 \text{ remainder } 3$$

$$\begin{array}{r} 272 \\ 7 \overline{) 1907} \\ \underline{1904} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 11 = 173 \text{ remainder } 4$$

$$\begin{array}{r} 173 \\ 11 \overline{) 1907} \\ \underline{1903} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 13 = 146 \text{ remainder } 9$$

$$\begin{array}{r} 146 \\ 13 \overline{) 1907} \\ \underline{1898} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 17 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 17 \overline{) 1907} \\ \underline{1904} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 19 = 100 \text{ remainder } 7$$

$$\begin{array}{r} 100 \\ 19 \overline{) 1907} \\ \underline{1900} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 23 = 82 \text{ remainder } 21$$

$$\begin{array}{r} 82 \\ 23 \overline{) 1907} \\ \underline{1886} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 29 = 65 \text{ remainder } 22$$

$$\begin{array}{r} 65 \\ 29 \overline{) 1907} \\ \underline{1885} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1907 \div 31 = 61 \text{ remainder } 16$$

$$\begin{array}{r} 61 \\ 31 \overline{) 1907} \end{array}$$

$$\begin{array}{r} 1891 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$1907 \div 37 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 37 \overline{) 1907} \\ \underline{1887} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$1907 \div 41 = 46 \text{ remainder } 21$$

$$\begin{array}{r} 46 \\ 41 \overline{) 1907} \\ \underline{1886} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$1907 \div 43 = 44 \text{ remainder } 15$$

$$\begin{array}{r} 44 \\ 43 \overline{) 1907} \\ \underline{1892} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

## **P<sub>293</sub> 1913**

$$1913 \div 2 = 956 \text{ remainder } 1$$

$$\begin{array}{r} 956 \\ 2 \overline{) 1913} \\ \underline{1912} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 3 = 637 \text{ remainder } 2$$

$$\begin{array}{r} 637 \\ 3 \overline{) 1913} \\ \underline{1911} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 5 = 382 \text{ remainder } 3$$

$$\begin{array}{r} 382 \\ 5 \overline{) 1913} \\ \underline{1910} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 7 = 273 \text{ remainder } 2$$

$$\begin{array}{r} 273 \\ 7 \overline{) 1913} \\ \underline{1911} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 11 = 173 \text{ remainder } 10$$

$$\begin{array}{r} 173 \\ 11 \overline{) 1913} \\ \underline{1903} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 13 = 147 \text{ remainder } 2$$

$$\begin{array}{r} 147 \\ 13 \overline{) 1913} \\ \underline{1911} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 17 = 112 \text{ remainder } 9$$

$$\begin{array}{r} 112 \\ 17 \overline{) 1913} \\ \underline{1904} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 19 = 100 \text{ remainder } 13$$

$$\begin{array}{r} 100 \\ 19 \overline{) 1913} \\ \underline{1900} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 23 = 83 \text{ remainder } 4$$

$$\begin{array}{r} 83 \\ 23 \overline{) 1913} \\ \underline{1909} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 29 = 65 \text{ remainder } 28$$

$$\begin{array}{r} 65 \\ 29 \overline{) 1913} \\ \underline{1885} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$1913 \div 31 = 61 \text{ remainder } 22$$

$$\begin{array}{r} 61 \\ 31 \overline{) 1913} \end{array}$$

$$\begin{array}{r}
 1891 \\
 \text{----} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$1913 \div 37 = 51 \text{ remainder } 26$$

$$\begin{array}{r}
 51 \\
 37 \overline{) 1913} \\
 \underline{1887} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$1913 \div 41 = 46 \text{ remainder } 27$$

$$\begin{array}{r}
 46 \\
 41 \overline{) 1913} \\
 \underline{1886} \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$1913 \div 43 = 44 \text{ remainder } 21$$

$$\begin{array}{r}
 44 \\
 43 \overline{) 1913} \\
 \underline{1892} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

## **P<sub>294</sub> 1931**

$$1931 \div 2 = 965 \text{ remainder } 1$$

$$\begin{array}{r} 965 \\ 2 \overline{) 1931} \\ \underline{1930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 3 = 643 \text{ remainder } 2$$

$$\begin{array}{r} 643 \\ 3 \overline{) 1931} \\ \underline{1929} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 5 = 386 \text{ remainder } 1$$

$$\begin{array}{r} 386 \\ 5 \overline{) 1931} \\ \underline{1930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 7 = 275 \text{ remainder } 6$$

$$\begin{array}{r} 275 \\ 7 \overline{) 1931} \\ \underline{1925} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 11 = 175 \text{ remainder } 6$$

$$\begin{array}{r} 175 \\ 11 \overline{) 1931} \\ \underline{1925} \\ 6 \end{array} \leftarrow \text{remainder}$$



$$1931 \div 13 = 148 \text{ remainder } 7$$

$$\begin{array}{r} 148 \\ 13 \overline{) 1931} \\ \underline{1924} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 17 = 113 \text{ remainder } 10$$

$$\begin{array}{r} 113 \\ 17 \overline{) 1931} \\ \underline{1921} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 19 = 101 \text{ remainder } 12$$

$$\begin{array}{r} 101 \\ 19 \overline{) 1931} \\ \underline{1919} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 23 = 83 \text{ remainder } 22$$

$$\begin{array}{r} 83 \\ 23 \overline{) 1931} \\ \underline{1909} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 29 = 66 \text{ remainder } 17$$

$$\begin{array}{r} 66 \\ 29 \overline{) 1931} \\ \underline{1914} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1931 \div 31 = 62 \text{ remainder } 9$$

$$\begin{array}{r} 62 \\ 31 \overline{) 1931} \end{array}$$

1922

----

9 ← remainder

$$1931 \div 37 = 52 \text{ remainder } 7$$

$$\begin{array}{r} 52 \\ 37 \overline{) 1931} \\ \underline{1924} \end{array}$$

----

7 ← remainder

$$1931 \div 41 = 47 \text{ remainder } 4$$

$$\begin{array}{r} 47 \\ 41 \overline{) 1931} \\ \underline{1927} \end{array}$$

----

4 ← remainder

$$1931 \div 43 = 44 \text{ remainder } 39$$

$$\begin{array}{r} 44 \\ 43 \overline{) 1931} \\ \underline{1892} \end{array}$$

----

39 ← remainder

## **P<sub>295</sub> 1933**

$$1933 \div 2 = 966 \text{ remainder } 1$$

$$\begin{array}{r} 966 \\ 2 \overline{) 1933} \\ \underline{1932} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 3 = 644 \text{ remainder } 1$$

$$\begin{array}{r} 644 \\ 3 \overline{) 1933} \\ \underline{1932} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 5 = 386 \text{ remainder } 3$$

$$\begin{array}{r} 386 \\ 5 \overline{) 1933} \\ \underline{1930} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 7 = 276 \text{ remainder } 1$$

$$\begin{array}{r} 276 \\ 7 \overline{) 1933} \\ \underline{1932} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 11 = 175 \text{ remainder } 8$$

$$\begin{array}{r} 175 \\ 11 \overline{) 1933} \\ \underline{1925} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 13 = 148 \text{ remainder } 9$$

$$\begin{array}{r} 148 \\ 13 \overline{) 1933} \\ \underline{1924} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 17 = 113 \text{ remainder } 12$$

$$\begin{array}{r} 113 \\ 17 \overline{) 1933} \\ \underline{1921} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 19 = 101 \text{ remainder } 14$$

$$\begin{array}{r} 101 \\ 19 \overline{) 1933} \\ \underline{1919} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 23 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 23 \overline{) 1933} \\ \underline{1932} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 29 = 66 \text{ remainder } 19$$

$$\begin{array}{r} 66 \\ 29 \overline{) 1933} \\ \underline{1914} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1933 \div 31 = 62 \text{ remainder } 11$$

$$\begin{array}{r} 62 \\ 31 \overline{) 1933} \end{array}$$

1922

----

11 ← remainder

$1933 \div 37 = 52 \text{ remainder } 9$

37 |  $\overline{52}$   
 $\overline{1933}$   
1924

----

9 ← remainder

$1933 \div 41 = 47 \text{ remainder } 6$

41 |  $\overline{47}$   
 $\overline{1933}$   
1927

----

6 ← remainder

$1933 \div 43 = 44 \text{ remainder } 41$

43 |  $\overline{44}$   
 $\overline{1933}$   
1892

----

41 ← remainder

## **P<sub>296</sub> 1949**

$$1949 \div 2 = 974 \text{ remainder } 1$$

$$\begin{array}{r} 974 \\ 2 \overline{) 1949} \\ \underline{1948} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 3 = 649 \text{ remainder } 2$$

$$\begin{array}{r} 649 \\ 3 \overline{) 1949} \\ \underline{1947} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 5 = 389 \text{ remainder } 4$$

$$\begin{array}{r} 389 \\ 5 \overline{) 1949} \\ \underline{1945} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 7 = 278 \text{ remainder } 3$$

$$\begin{array}{r} 278 \\ 7 \overline{) 1949} \\ \underline{1946} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 11 = 177 \text{ remainder } 2$$

$$\begin{array}{r} 177 \\ 11 \overline{) 1949} \\ \underline{1947} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 13 = 149 \text{ remainder } 12$$

$$\begin{array}{r} 149 \\ 13 \overline{) 1949} \\ \underline{1937} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 17 = 114 \text{ remainder } 11$$

$$\begin{array}{r} 114 \\ 17 \overline{) 1949} \\ \underline{1938} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 19 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 19 \overline{) 1949} \\ \underline{1938} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 23 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 23 \overline{) 1949} \\ \underline{1932} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 29 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 29 \overline{) 1949} \\ \underline{1943} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1949 \div 31 = 62 \text{ remainder } 27$$

$$\begin{array}{r} 62 \\ 31 \overline{) 1949} \end{array}$$

$$\begin{array}{r} 1922 \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$1949 \div 37 = 52 \text{ remainder } 25$$

$$\begin{array}{r} 52 \\ 37 \overline{) 1949} \\ \underline{1924} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$1949 \div 41 = 47 \text{ remainder } 22$$

$$\begin{array}{r} 47 \\ 41 \overline{) 1949} \\ \underline{1927} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$1949 \div 43 = 45 \text{ remainder } 14$$

$$\begin{array}{r} 45 \\ 43 \overline{) 1949} \\ \underline{1935} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$



## **P<sub>297</sub> 1951**

$$1951 \div 2 = 975 \text{ remainder } 1$$

$$\begin{array}{r} 975 \\ 2 \overline{) 1951} \\ \underline{1950} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 3 = 650 \text{ remainder } 1$$

$$\begin{array}{r} 650 \\ 3 \overline{) 1951} \\ \underline{1950} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 5 = 390 \text{ remainder } 1$$

$$\begin{array}{r} 390 \\ 5 \overline{) 1951} \\ \underline{1950} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 7 = 278 \text{ remainder } 5$$

$$\begin{array}{r} 278 \\ 7 \overline{) 1951} \\ \underline{1946} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 11 = 177 \text{ remainder } 4$$

$$\begin{array}{r} 177 \\ 11 \overline{) 1951} \\ \underline{1947} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 13 = 150 \text{ remainder } 1$$

$$\begin{array}{r} 150 \\ 13 \overline{) 1951} \\ \underline{1950} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 17 = 114 \text{ remainder } 13$$

$$\begin{array}{r} 114 \\ 17 \overline{) 1951} \\ \underline{1938} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 19 = 102 \text{ remainder } 13$$

$$\begin{array}{r} 102 \\ 19 \overline{) 1951} \\ \underline{1938} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 23 = 84 \text{ remainder } 19$$

$$\begin{array}{r} 84 \\ 23 \overline{) 1951} \\ \underline{1932} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 29 = 67 \text{ remainder } 8$$

$$\begin{array}{r} 67 \\ 29 \overline{) 1951} \\ \underline{1943} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1951 \div 31 = 62 \text{ remainder } 29$$

$$\begin{array}{r} 62 \\ 31 \overline{) 1951} \end{array}$$

$$\begin{array}{r} 1922 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$1951 \div 37 = 52 \text{ remainder } 27$$

$$\begin{array}{r} 52 \\ 37 \overline{) 1951} \\ \underline{1924} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$1951 \div 41 = 47 \text{ remainder } 24$$

$$\begin{array}{r} 47 \\ 41 \overline{) 1951} \\ \underline{1927} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$1951 \div 43 = 45 \text{ remainder } 16$$

$$\begin{array}{r} 45 \\ 43 \overline{) 1951} \\ \underline{1935} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

## **P<sub>298</sub> 1973**

$$1973 \div 2 = 986 \text{ remainder } 1$$

$$\begin{array}{r} 986 \\ 2 \overline{) 1973} \\ \underline{1972} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 3 = 657 \text{ remainder } 2$$

$$\begin{array}{r} 657 \\ 3 \overline{) 1973} \\ \underline{1971} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 5 = 394 \text{ remainder } 3$$

$$\begin{array}{r} 394 \\ 5 \overline{) 1973} \\ \underline{1970} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 7 = 281 \text{ remainder } 6$$

$$\begin{array}{r} 281 \\ 7 \overline{) 1973} \\ \underline{1967} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 11 = 179 \text{ remainder } 4$$

$$\begin{array}{r} 179 \\ 11 \overline{) 1973} \\ \underline{1969} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 13 = 151 \text{ remainder } 10$$

$$\begin{array}{r} 151 \\ 13 \overline{) 1973} \\ \underline{1963} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 17 = 116 \text{ remainder } 1$$

$$\begin{array}{r} 116 \\ 17 \overline{) 1973} \\ \underline{1972} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 19 = 103 \text{ remainder } 16$$

$$\begin{array}{r} 103 \\ 19 \overline{) 1973} \\ \underline{1957} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 23 = 85 \text{ remainder } 18$$

$$\begin{array}{r} 85 \\ 23 \overline{) 1973} \\ \underline{1955} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 29 = 68 \text{ remainder } 1$$

$$\begin{array}{r} 68 \\ 29 \overline{) 1973} \\ \underline{1972} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1973 \div 31 = 63 \text{ remainder } 20$$

$$\begin{array}{r} 63 \\ 31 \overline{) 1973} \end{array}$$

1953

----

20 ← remainder

$$1973 \div 37 = 53 \text{ remainder } 12$$

$$\begin{array}{r} 53 \\ 37 \overline{) 1973} \\ \underline{1961} \end{array}$$

----

12 ← remainder

$$1973 \div 41 = 48 \text{ remainder } 5$$

$$\begin{array}{r} 48 \\ 41 \overline{) 1973} \\ \underline{1968} \end{array}$$

----

5 ← remainder

$$1973 \div 43 = 45 \text{ remainder } 38$$

$$\begin{array}{r} 45 \\ 43 \overline{) 1973} \\ \underline{1935} \end{array}$$

----

38 ← remainder

## **P<sub>299</sub> 1979**

$$1979 \div 2 = 989 \text{ remainder } 1$$

$$\begin{array}{r} 989 \\ 2 \overline{) 1979} \\ \underline{1978} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 3 = 659 \text{ remainder } 2$$

$$\begin{array}{r} 659 \\ 3 \overline{) 1979} \\ \underline{1977} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 5 = 395 \text{ remainder } 4$$

$$\begin{array}{r} 395 \\ 5 \overline{) 1979} \\ \underline{1975} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 7 = 282 \text{ remainder } 5$$

$$\begin{array}{r} 282 \\ 7 \overline{) 1979} \\ \underline{1974} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 11 = 179 \text{ remainder } 10$$

$$\begin{array}{r} 179 \\ 11 \overline{) 1979} \\ \underline{1969} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 13 = 152 \text{ remainder } 3$$

$$\begin{array}{r} 152 \\ 13 \overline{) 1979} \\ \underline{1976} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 17 = 116 \text{ remainder } 7$$

$$\begin{array}{r} 116 \\ 17 \overline{) 1979} \\ \underline{1972} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 19 = 104 \text{ remainder } 3$$

$$\begin{array}{r} 104 \\ 19 \overline{) 1979} \\ \underline{1976} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 23 = 86 \text{ remainder } 1$$

$$\begin{array}{r} 86 \\ 23 \overline{) 1979} \\ \underline{1978} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 29 = 68 \text{ remainder } 7$$

$$\begin{array}{r} 68 \\ 29 \overline{) 1979} \\ \underline{1972} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1979 \div 31 = 63 \text{ remainder } 26$$

$$\begin{array}{r} 63 \\ 31 \overline{) 1979} \end{array}$$



1953

----

26 ← remainder

$1979 \div 37 = 53 \text{ remainder } 18$

37 |  $\overline{53}$   
 $\overline{1979}$   
1961

----

18 ← remainder

$1979 \div 41 = 48 \text{ remainder } 11$

41 |  $\overline{48}$   
 $\overline{1979}$   
1968

----

11 ← remainder

$1979 \div 43 = 46 \text{ remainder } 1$

43 |  $\overline{46}$   
 $\overline{1979}$   
1978

----

1 ← remainder

## **P<sub>300</sub> 1987**

$$1987 \div 2 = 993 \text{ remainder } 1$$

$$\begin{array}{r} 993 \\ 2 \overline{) 1987} \\ \underline{1986} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 3 = 662 \text{ remainder } 1$$

$$\begin{array}{r} 662 \\ 3 \overline{) 1987} \\ \underline{1986} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 5 = 397 \text{ remainder } 2$$

$$\begin{array}{r} 397 \\ 5 \overline{) 1987} \\ \underline{1985} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 7 = 283 \text{ remainder } 6$$

$$\begin{array}{r} 283 \\ 7 \overline{) 1987} \\ \underline{1981} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 11 = 180 \text{ remainder } 7$$

$$\begin{array}{r} 180 \\ 11 \overline{) 1987} \\ \underline{1980} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 13 = 152 \text{ remainder } 11$$

$$\begin{array}{r} 152 \\ 13 \overline{) 1987} \\ \underline{1976} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 17 = 116 \text{ remainder } 15$$

$$\begin{array}{r} 116 \\ 17 \overline{) 1987} \\ \underline{1972} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 19 = 104 \text{ remainder } 11$$

$$\begin{array}{r} 104 \\ 19 \overline{) 1987} \\ \underline{1976} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 23 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 23 \overline{) 1987} \\ \underline{1978} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 29 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 29 \overline{) 1987} \\ \underline{1972} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1987 \div 31 = 64 \text{ remainder } 3$$

$$\begin{array}{r} 64 \\ 31 \overline{) 1987} \end{array}$$

1984

----

3 ← remainder

$1987 \div 37 = 53 \text{ remainder } 26$

53  
37 |  $\overline{1987}$   
1961

----

26 ← remainder

$1987 \div 41 = 48 \text{ remainder } 19$

48  
41 |  $\overline{1987}$   
1968

----

19 ← remainder

$1987 \div 43 = 46 \text{ remainder } 9$

46  
43 |  $\overline{1987}$   
1978

----

9 ← remainder

## **P<sub>301</sub> 1993**

$$1993 \div 2 = 996 \text{ remainder } 1$$

$$\begin{array}{r} 996 \\ 2 \overline{) 1993} \\ \underline{1992} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 3 = 664 \text{ remainder } 1$$

$$\begin{array}{r} 664 \\ 3 \overline{) 1993} \\ \underline{1992} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 5 = 398 \text{ remainder } 3$$

$$\begin{array}{r} 398 \\ 5 \overline{) 1993} \\ \underline{1990} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 7 = 284 \text{ remainder } 5$$

$$\begin{array}{r} 284 \\ 7 \overline{) 1993} \\ \underline{1988} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 11 = 181 \text{ remainder } 2$$

$$\begin{array}{r} 181 \\ 11 \overline{) 1993} \\ \underline{1991} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 13 = 153 \text{ remainder } 4$$

$$\begin{array}{r} 153 \\ 13 \overline{) 1993} \\ \underline{1989} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 17 = 117 \text{ remainder } 4$$

$$\begin{array}{r} 117 \\ 17 \overline{) 1993} \\ \underline{1989} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 19 = 104 \text{ remainder } 17$$

$$\begin{array}{r} 104 \\ 19 \overline{) 1993} \\ \underline{1976} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 23 = 86 \text{ remainder } 15$$

$$\begin{array}{r} 86 \\ 23 \overline{) 1993} \\ \underline{1978} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 29 = 68 \text{ remainder } 21$$

$$\begin{array}{r} 68 \\ 29 \overline{) 1993} \\ \underline{1972} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1993 \div 31 = 64 \text{ remainder } 9$$

$$\begin{array}{r} 64 \\ 31 \overline{) 1993} \end{array}$$

1984

----

9 ← remainder

$1993 \div 37 = 53 \text{ remainder } 32$

37 |  $\overline{53 \over 1993}$   
1961

----

32 ← remainder

$1993 \div 41 = 48 \text{ remainder } 25$

41 |  $\overline{48 \over 1993}$   
1968

----

25 ← remainder

$1993 \div 43 = 46 \text{ remainder } 15$

43 |  $\overline{46 \over 1993}$   
1978

----

15 ← remainder

## **P<sub>302</sub> 1997**

$$1997 \div 2 = 998 \text{ remainder } 1$$

$$\begin{array}{r} 998 \\ 2 \mid \overline{1997} \phantom{00} \\ \underline{1996} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1997 \div 3 = 665 \text{ remainder } 2$$

$$\begin{array}{r} 665 \\ 3 \mid \overline{1997} \phantom{00} \\ \underline{1995} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1997 \div 5 = 399 \text{ remainder } 2$$

$$\begin{array}{r} 399 \\ 5 \mid \overline{1997} \phantom{00} \\ \underline{1995} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1997 \div 7 = 285 \text{ remainder } 2$$

$$\begin{array}{r} 285 \\ 7 \mid \overline{1997} \phantom{00} \\ \underline{1995} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$1997 \div 11 = 181 \text{ remainder } 6$$

$$\begin{array}{r} 181 \\ 11 \mid \overline{1997} \phantom{00} \\ \underline{1991} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$



$$1997 \div 13 = 153 \text{ remainder } 8$$

$$\begin{array}{r} 153 \\ 13 \overline{) 1997} \\ \underline{1989} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1997 \div 17 = 117 \text{ remainder } 8$$

$$\begin{array}{r} 117 \\ 17 \overline{) 1997} \\ \underline{1989} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1997 \div 19 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 19 \overline{) 1997} \\ \underline{1995} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1997 \div 23 = 86 \text{ remainder } 19$$

$$\begin{array}{r} 86 \\ 23 \overline{) 1997} \\ \underline{1978} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$1997 \div 29 = 68 \text{ remainder } 25$$

$$\begin{array}{r} 68 \\ 29 \overline{) 1997} \\ \underline{1972} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$1997 \div 31 = 64 \text{ remainder } 13$$

$$\begin{array}{r} 64 \\ 31 \overline{) 1997} \end{array}$$

1984

----

13 ← remainder

$$1997 \div 37 = 53 \text{ remainder } 36$$

$$\begin{array}{r} 53 \\ 37 \overline{) 1997} \\ \underline{1961} \end{array}$$

----

36 ← remainder

$$1997 \div 41 = 48 \text{ remainder } 29$$

$$\begin{array}{r} 48 \\ 41 \overline{) 1997} \\ \underline{1968} \end{array}$$

----

29 ← remainder

$$1997 \div 43 = 46 \text{ remainder } 19$$

$$\begin{array}{r} 46 \\ 43 \overline{) 1997} \\ \underline{1978} \end{array}$$

----

19 ← remainder

## **P<sub>303</sub> 1999**

$$1999 \div 2 = 999 \text{ remainder } 1$$

$$\begin{array}{r} 999 \\ 2 \overline{) 1999} \\ \underline{1998} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 3 = 666 \text{ remainder } 1$$

$$\begin{array}{r} 666 \\ 3 \overline{) 1999} \\ \underline{1998} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 5 = 399 \text{ remainder } 4$$

$$\begin{array}{r} 399 \\ 5 \overline{) 1999} \\ \underline{1995} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 7 = 285 \text{ remainder } 4$$

$$\begin{array}{r} 285 \\ 7 \overline{) 1999} \\ \underline{1995} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 11 = 181 \text{ remainder } 8$$

$$\begin{array}{r} 181 \\ 11 \overline{) 1999} \\ \underline{1991} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 13 = 153 \text{ remainder } 10$$

$$\begin{array}{r} 153 \\ 13 \overline{) 1999} \\ \underline{1989} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 17 = 117 \text{ remainder } 10$$

$$\begin{array}{r} 117 \\ 17 \overline{) 1999} \\ \underline{1989} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 19 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 19 \overline{) 1999} \\ \underline{1995} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 23 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 23 \overline{) 1999} \\ \underline{1978} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 29 = 68 \text{ remainder } 27$$

$$\begin{array}{r} 68 \\ 29 \overline{) 1999} \\ \underline{1972} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$1999 \div 31 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 31 \overline{) 1999} \end{array}$$

1984

----

15 ← remainder

$1999 \div 37 = 54 \text{ remainder } 1$

54  
37 |  $\overline{1999}$   
1998

----

1 ← remainder

$1999 \div 41 = 48 \text{ remainder } 31$

48  
41 |  $\overline{1999}$   
1968

----

31 ← remainder

$1999 \div 43 = 46 \text{ remainder } 21$

46  
43 |  $\overline{1999}$   
1978

----

21 ← remainder

## **P<sub>304</sub> 2003**

$$2003 \div 2 = 1001 \text{ remainder } 1$$

$$\begin{array}{r} 1001 \\ 2 \overline{) 2003} \\ \underline{2002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 3 = 667 \text{ remainder } 2$$

$$\begin{array}{r} 667 \\ 3 \overline{) 2003} \\ \underline{2001} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 5 = 400 \text{ remainder } 3$$

$$\begin{array}{r} 400 \\ 5 \overline{) 2003} \\ \underline{2000} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 7 = 286 \text{ remainder } 1$$

$$\begin{array}{r} 286 \\ 7 \overline{) 2003} \\ \underline{2002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 11 = 182 \text{ remainder } 1$$

$$\begin{array}{r} 182 \\ 11 \overline{) 2003} \\ \underline{2002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 13 = 154 \text{ remainder } 1$$

$$\begin{array}{r} 154 \\ 13 \overline{) 2003} \\ \underline{2002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 17 = 117 \text{ remainder } 14$$

$$\begin{array}{r} 117 \\ 17 \overline{) 2003} \\ \underline{1989} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 19 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 19 \overline{) 2003} \\ \underline{1995} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 23 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 23 \overline{) 2003} \\ \underline{2001} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 29 = 69 \text{ remainder } 2$$

$$\begin{array}{r} 69 \\ 29 \overline{) 2003} \\ \underline{2001} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2003 \div 31 = 64 \text{ remainder } 19$$

$$\begin{array}{r} 64 \\ 31 \overline{) 2003} \end{array}$$

1984

----

19 ← remainder

$2003 \div 37 = 54 \text{ remainder } 5$

54  
37 |  $\overline{2003}$   
1998

----

5 ← remainder

$2003 \div 41 = 48 \text{ remainder } 35$

48  
41 |  $\overline{2003}$   
1968

----

35 ← remainder

$2003 \div 43 = 46 \text{ remainder } 25$

46  
43 |  $\overline{2003}$   
1978

----

25 ← remainder



## **P<sub>305</sub> 2011**

$$2011 \div 2 = 1005 \text{ remainder } 1$$

$$\begin{array}{r} 1005 \\ 2 \overline{) 2011} \\ \underline{2010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 3 = 670 \text{ remainder } 1$$

$$\begin{array}{r} 670 \\ 3 \overline{) 2011} \\ \underline{2010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 5 = 402 \text{ remainder } 1$$

$$\begin{array}{r} 402 \\ 5 \overline{) 2011} \\ \underline{2010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 7 = 287 \text{ remainder } 2$$

$$\begin{array}{r} 287 \\ 7 \overline{) 2011} \\ \underline{2009} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 11 = 182 \text{ remainder } 9$$

$$\begin{array}{r} 182 \\ 11 \overline{) 2011} \\ \underline{2002} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 13 = 154 \text{ remainder } 9$$

$$\begin{array}{r} 154 \\ 13 \overline{) 2011} \\ \underline{2002} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 17 = 118 \text{ remainder } 5$$

$$\begin{array}{r} 118 \\ 17 \overline{) 2011} \\ \underline{2006} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 19 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 19 \overline{) 2011} \\ \underline{1995} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 23 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 23 \overline{) 2011} \\ \underline{2001} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 29 = 69 \text{ remainder } 10$$

$$\begin{array}{r} 69 \\ 29 \overline{) 2011} \\ \underline{2001} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2011 \div 31 = 64 \text{ remainder } 27$$

$$\begin{array}{r} 64 \\ 31 \overline{) 2011} \end{array}$$

1984

----

27 ← remainder

$2011 \div 37 = 54 \text{ remainder } 13$

54  
37 |  $\overline{2011}$   
1998

----

13 ← remainder

$2011 \div 41 = 49 \text{ remainder } 2$

49  
41 |  $\overline{2011}$   
2009

----

2 ← remainder

$2011 \div 43 = 46 \text{ remainder } 33$

46  
43 |  $\overline{2011}$   
1978

----

33 ← remainder

## **P<sub>306</sub> 2017**

$$2017 \div 2 = 1008 \text{ remainder } 1$$

$$\begin{array}{r} 1008 \\ 2 \overline{) 2017} \\ \underline{2016} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 3 = 672 \text{ remainder } 1$$

$$\begin{array}{r} 672 \\ 3 \overline{) 2017} \\ \underline{2016} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 5 = 403 \text{ remainder } 2$$

$$\begin{array}{r} 403 \\ 5 \overline{) 2017} \\ \underline{2015} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 7 = 288 \text{ remainder } 1$$

$$\begin{array}{r} 288 \\ 7 \overline{) 2017} \\ \underline{2016} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 11 = 183 \text{ remainder } 4$$

$$\begin{array}{r} 183 \\ 11 \overline{) 2017} \\ \underline{2013} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 13 = 155 \text{ remainder } 2$$

$$\begin{array}{r} 155 \\ 13 \overline{) 2017} \\ \underline{2015} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 17 = 118 \text{ remainder } 11$$

$$\begin{array}{r} 118 \\ 17 \overline{) 2017} \\ \underline{2006} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 19 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 19 \overline{) 2017} \\ \underline{2014} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 23 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 23 \overline{) 2017} \\ \underline{2001} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 29 = 69 \text{ remainder } 16$$

$$\begin{array}{r} 69 \\ 29 \overline{) 2017} \\ \underline{2001} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2017 \div 31 = 65 \text{ remainder } 2$$

$$\begin{array}{r} 65 \\ 31 \overline{) 2017} \end{array}$$

2015

----

2 ← remainder

$2017 \div 37 = 54 \text{ remainder } 19$

54  
37 |  $\overline{2017}$   
1998

----

19 ← remainder

$2017 \div 41 = 49 \text{ remainder } 8$

49  
41 |  $\overline{2017}$   
2009

----

8 ← remainder

$2017 \div 43 = 46 \text{ remainder } 39$

46  
43 |  $\overline{2017}$   
1978

----

39 ← remainder

## **P<sub>307</sub> 2027**

$$2027 \div 2 = 1013 \text{ remainder } 1$$

$$\begin{array}{r} 1013 \\ 2 \overline{) 2027} \\ \underline{2026} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 3 = 675 \text{ remainder } 2$$

$$\begin{array}{r} 675 \\ 3 \overline{) 2027} \\ \underline{2025} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 5 = 405 \text{ remainder } 2$$

$$\begin{array}{r} 405 \\ 5 \overline{) 2027} \\ \underline{2025} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 7 = 289 \text{ remainder } 4$$

$$\begin{array}{r} 289 \\ 7 \overline{) 2027} \\ \underline{2023} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 11 = 184 \text{ remainder } 3$$

$$\begin{array}{r} 184 \\ 11 \overline{) 2027} \\ \underline{2024} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 13 = 155 \text{ remainder } 12$$

$$\begin{array}{r} 155 \\ 13 \overline{) 2027} \\ \underline{2015} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 17 = 119 \text{ remainder } 4$$

$$\begin{array}{r} 119 \\ 17 \overline{) 2027} \\ \underline{2023} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 19 = 106 \text{ remainder } 13$$

$$\begin{array}{r} 106 \\ 19 \overline{) 2027} \\ \underline{2014} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 23 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 23 \overline{) 2027} \\ \underline{2024} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 29 = 69 \text{ remainder } 26$$

$$\begin{array}{r} 69 \\ 29 \overline{) 2027} \\ \underline{2001} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$2027 \div 31 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 31 \overline{) 2027} \end{array}$$



2015

----

12 ← remainder

$2027 \div 37 = 54 \text{ remainder } 29$

37 |  $\overline{54}$   
 $\overline{2027}$   
1998

----

29 ← remainder

$2027 \div 41 = 49 \text{ remainder } 18$

41 |  $\overline{49}$   
 $\overline{2027}$   
2009

----

18 ← remainder

$2027 \div 43 = 47 \text{ remainder } 6$

43 |  $\overline{47}$   
 $\overline{2027}$   
2021

----

6 ← remainder

## **P<sub>308</sub> 2029**

$$2029 \div 2 = 1014 \text{ remainder } 1$$

$$\begin{array}{r} 1014 \\ 2 \overline{) 2029} \\ \underline{2028} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 3 = 676 \text{ remainder } 1$$

$$\begin{array}{r} 676 \\ 3 \overline{) 2029} \\ \underline{2028} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 5 = 405 \text{ remainder } 4$$

$$\begin{array}{r} 405 \\ 5 \overline{) 2029} \\ \underline{2025} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 7 = 289 \text{ remainder } 6$$

$$\begin{array}{r} 289 \\ 7 \overline{) 2029} \\ \underline{2023} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 11 = 184 \text{ remainder } 5$$

$$\begin{array}{r} 184 \\ 11 \overline{) 2029} \\ \underline{2024} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 13 = 156 \text{ remainder } 1$$

$$\begin{array}{r} 156 \\ 13 \overline{) 2029} \\ \underline{2028} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 17 = 119 \text{ remainder } 6$$

$$\begin{array}{r} 119 \\ 17 \overline{) 2029} \\ \underline{2023} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 19 = 106 \text{ remainder } 15$$

$$\begin{array}{r} 106 \\ 19 \overline{) 2029} \\ \underline{2014} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 23 = 88 \text{ remainder } 5$$

$$\begin{array}{r} 88 \\ 23 \overline{) 2029} \\ \underline{2024} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 29 = 69 \text{ remainder } 28$$

$$\begin{array}{r} 69 \\ 29 \overline{) 2029} \\ \underline{2001} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2029 \div 31 = 65 \text{ remainder } 14$$

$$\begin{array}{r} 65 \\ 31 \overline{) 2029} \end{array}$$

2015

----

14 ← remainder

$2029 \div 37 = 54 \text{ remainder } 31$

37 |  $\overline{54}$   
 $\overline{2029}$   
1998

----

31 ← remainder

$2029 \div 41 = 49 \text{ remainder } 20$

41 |  $\overline{49}$   
 $\overline{2029}$   
2009

----

20 ← remainder

$2029 \div 43 = 47 \text{ remainder } 8$

43 |  $\overline{47}$   
 $\overline{2029}$   
2021

----

8 ← remainder

## **P<sub>309</sub> 2039**

$$2039 \div 2 = 1019 \text{ remainder } 1$$

$$\begin{array}{r} 1019 \\ 2 \overline{) 2039} \\ \underline{2038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 3 = 679 \text{ remainder } 2$$

$$\begin{array}{r} 679 \\ 3 \overline{) 2039} \\ \underline{2037} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 5 = 407 \text{ remainder } 4$$

$$\begin{array}{r} 407 \\ 5 \overline{) 2039} \\ \underline{2035} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 7 = 291 \text{ remainder } 2$$

$$\begin{array}{r} 291 \\ 7 \overline{) 2039} \\ \underline{2037} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 11 = 185 \text{ remainder } 4$$

$$\begin{array}{r} 185 \\ 11 \overline{) 2039} \\ \underline{2035} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 13 = 156 \text{ remainder } 11$$

$$\begin{array}{r} 156 \\ 13 \overline{) 2039} \\ \underline{2028} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 17 = 119 \text{ remainder } 16$$

$$\begin{array}{r} 119 \\ 17 \overline{) 2039} \\ \underline{2023} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 19 = 107 \text{ remainder } 6$$

$$\begin{array}{r} 107 \\ 19 \overline{) 2039} \\ \underline{2033} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 23 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 23 \overline{) 2039} \\ \underline{2024} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 29 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 29 \overline{) 2039} \\ \underline{2030} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2039 \div 31 = 65 \text{ remainder } 24$$

$$\begin{array}{r} 65 \\ 31 \overline{) 2039} \end{array}$$

2015

----

24 ← remainder

$$2039 \div 37 = 55 \text{ remainder } 4$$

$$\begin{array}{r} 55 \\ 37 \overline{) 2039} \\ \underline{2035} \end{array}$$

----

4 ← remainder

$$2039 \div 41 = 49 \text{ remainder } 30$$

$$\begin{array}{r} 49 \\ 41 \overline{) 2039} \\ \underline{2009} \end{array}$$

----

30 ← remainder

$$2039 \div 43 = 47 \text{ remainder } 18$$

$$\begin{array}{r} 47 \\ 43 \overline{) 2039} \\ \underline{2021} \end{array}$$

----

18 ← remainder

## **P<sub>310</sub> 2053**

$$2053 \div 2 = 1026 \text{ remainder } 1$$

$$\begin{array}{r} 1026 \\ 2 \overline{) 2053} \\ \underline{2052} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2053 \div 3 = 684 \text{ remainder } 1$$

$$\begin{array}{r} 684 \\ 3 \overline{) 2053} \\ \underline{2052} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2053 \div 5 = 410 \text{ remainder } 3$$

$$\begin{array}{r} 410 \\ 5 \overline{) 2053} \\ \underline{2050} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2053 \div 7 = 293 \text{ remainder } 2$$

$$\begin{array}{r} 293 \\ 7 \overline{) 2053} \\ \underline{2051} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2053 \div 11 = 186 \text{ remainder } 7$$

$$\begin{array}{r} 186 \\ 11 \overline{) 2053} \\ \underline{2046} \\ 7 \end{array} \leftarrow \text{remainder}$$



$$2053 \div 13 = 157 \text{ remainder } 12$$

$$\begin{array}{r} 157 \\ 13 \overline{) 2053} \\ \underline{2041} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2053 \div 17 = 120 \text{ remainder } 13$$

$$\begin{array}{r} 120 \\ 17 \overline{) 2053} \\ \underline{2040} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2053 \div 19 = 108 \text{ remainder } 1$$

$$\begin{array}{r} 108 \\ 19 \overline{) 2053} \\ \underline{2052} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2053 \div 23 = 89 \text{ remainder } 6$$

$$\begin{array}{r} 89 \\ 23 \overline{) 2053} \\ \underline{2047} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2053 \div 29 = 70 \text{ remainder } 23$$

$$\begin{array}{r} 70 \\ 29 \overline{) 2053} \\ \underline{2030} \phantom{00} \\ 23 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2053 \div 31 = 66 \text{ remainder } 7$$

$$\begin{array}{r} 66 \\ 31 \overline{) 2053} \end{array}$$

2046

----

7 ← remainder

$2053 \div 37 = 55 \text{ remainder } 18$

37 |  $\overline{55}$   
 $\overline{2053}$   
2035

----

18 ← remainder

$2053 \div 41 = 50 \text{ remainder } 3$

41 |  $\overline{50}$   
 $\overline{2053}$   
2050

----

3 ← remainder

$2053 \div 43 = 47 \text{ remainder } 32$

43 |  $\overline{47}$   
 $\overline{2053}$   
2021

----

32 ← remainder

## **P<sub>311</sub> 2063**

$$2063 \div 2 = 1031 \text{ remainder } 1$$

$$\begin{array}{r} 1031 \\ 2 \overline{) 2063} \\ \underline{2062} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2063 \div 3 = 687 \text{ remainder } 2$$

$$\begin{array}{r} 687 \\ 3 \overline{) 2063} \\ \underline{2061} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2063 \div 5 = 412 \text{ remainder } 3$$

$$\begin{array}{r} 412 \\ 5 \overline{) 2063} \\ \underline{2060} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2063 \div 7 = 294 \text{ remainder } 5$$

$$\begin{array}{r} 294 \\ 7 \overline{) 2063} \\ \underline{2058} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2063 \div 11 = 187 \text{ remainder } 6$$

$$\begin{array}{r} 187 \\ 11 \overline{) 2063} \\ \underline{2057} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2063 \div 13 = 158 \text{ remainder } 9$$

$$\begin{array}{r} 158 \\ 13 \overline{) 2063} \\ \underline{2054} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2063 \div 17 = 121 \text{ remainder } 6$$

$$\begin{array}{r} 121 \\ 17 \overline{) 2063} \\ \underline{2057} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2063 \div 19 = 108 \text{ remainder } 11$$

$$\begin{array}{r} 108 \\ 19 \overline{) 2063} \\ \underline{2052} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2063 \div 23 = 89 \text{ remainder } 16$$

$$\begin{array}{r} 89 \\ 23 \overline{) 2063} \\ \underline{2047} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2063 \div 29 = 71 \text{ remainder } 4$$

$$\begin{array}{r} 71 \\ 29 \overline{) 2063} \\ \underline{2059} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2063 \div 31 = 66 \text{ remainder } 17$$

$$\begin{array}{r} 66 \\ 31 \overline{) 2063} \end{array}$$

2046

----

17 ← remainder

$2063 \div 37 = 55 \text{ remainder } 28$

37 |  $\overline{2063}$   
2035

----

28 ← remainder

$2063 \div 41 = 50 \text{ remainder } 13$

41 |  $\overline{2063}$   
2050

----

13 ← remainder

$2063 \div 43 = 47 \text{ remainder } 42$

43 |  $\overline{2063}$   
2021

----

42 ← remainder

## **P<sub>312</sub> 2069**

$$2069 \div 2 = 1034 \text{ remainder } 1$$

$$\begin{array}{r} 1034 \\ 2 \overline{) 2069} \\ \underline{2068} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 3 = 689 \text{ remainder } 2$$

$$\begin{array}{r} 689 \\ 3 \overline{) 2069} \\ \underline{2067} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 5 = 413 \text{ remainder } 4$$

$$\begin{array}{r} 413 \\ 5 \overline{) 2069} \\ \underline{2065} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 7 = 295 \text{ remainder } 4$$

$$\begin{array}{r} 295 \\ 7 \overline{) 2069} \\ \underline{2065} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 11 = 188 \text{ remainder } 1$$

$$\begin{array}{r} 188 \\ 11 \overline{) 2069} \\ \underline{2068} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 13 = 159 \text{ remainder } 2$$

$$\begin{array}{r} 159 \\ 13 \overline{) 2069} \\ \underline{2067} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 17 = 121 \text{ remainder } 12$$

$$\begin{array}{r} 121 \\ 17 \overline{) 2069} \\ \underline{2057} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 19 = 108 \text{ remainder } 17$$

$$\begin{array}{r} 108 \\ 19 \overline{) 2069} \\ \underline{2052} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 23 = 89 \text{ remainder } 22$$

$$\begin{array}{r} 89 \\ 23 \overline{) 2069} \\ \underline{2047} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 29 = 71 \text{ remainder } 10$$

$$\begin{array}{r} 71 \\ 29 \overline{) 2069} \\ \underline{2059} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2069 \div 31 = 66 \text{ remainder } 23$$

$$\begin{array}{r} 66 \\ 31 \overline{) 2069} \end{array}$$

$$\begin{array}{r} 2046 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2069 \div 37 = 55 \text{ remainder } 34$$

$$\begin{array}{r} 55 \\ 37 \overline{) 2069} \\ \underline{2035} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2069 \div 41 = 50 \text{ remainder } 19$$

$$\begin{array}{r} 50 \\ 41 \overline{) 2069} \\ \underline{2050} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2069 \div 43 = 48 \text{ remainder } 5$$

$$\begin{array}{r} 48 \\ 43 \overline{) 2069} \\ \underline{2064} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$



## **P<sub>313</sub> 2081**

$$2081 \div 2 = 1040 \text{ remainder } 1$$

$$\begin{array}{r} 1040 \\ 2 \overline{) 2081} \\ \underline{2080} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 3 = 693 \text{ remainder } 2$$

$$\begin{array}{r} 693 \\ 3 \overline{) 2081} \\ \underline{2079} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 5 = 416 \text{ remainder } 1$$

$$\begin{array}{r} 416 \\ 5 \overline{) 2081} \\ \underline{2080} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 7 = 297 \text{ remainder } 2$$

$$\begin{array}{r} 297 \\ 7 \overline{) 2081} \\ \underline{2079} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 11 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 11 \overline{) 2081} \\ \underline{2079} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 13 = 160 \text{ remainder } 1$$

$$\begin{array}{r} 160 \\ 13 \overline{) 2081} \\ \underline{2080} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 17 = 122 \text{ remainder } 7$$

$$\begin{array}{r} 122 \\ 17 \overline{) 2081} \\ \underline{2074} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 19 = 109 \text{ remainder } 10$$

$$\begin{array}{r} 109 \\ 19 \overline{) 2081} \\ \underline{2071} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 23 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 23 \overline{) 2081} \\ \underline{2070} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 29 = 71 \text{ remainder } 22$$

$$\begin{array}{r} 71 \\ 29 \overline{) 2081} \\ \underline{2059} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2081 \div 31 = 67 \text{ remainder } 4$$

$$\begin{array}{r} 67 \\ 31 \overline{) 2081} \end{array}$$

2077

----

4 ← remainder

$2081 \div 37 = 56 \text{ remainder } 9$

56  
37 |  $\overline{2081}$   
2072

----

9 ← remainder

$2081 \div 41 = 50 \text{ remainder } 31$

50  
41 |  $\overline{2081}$   
2050

----

31 ← remainder

$2081 \div 43 = 48 \text{ remainder } 17$

48  
43 |  $\overline{2081}$   
2064

----

17 ← remainder

## **P<sub>314</sub> 2083**

$$2083 \div 2 = 1041 \text{ remainder } 1$$

$$\begin{array}{r} 1041 \\ 2 \overline{) 2083} \\ \underline{2082} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 3 = 694 \text{ remainder } 1$$

$$\begin{array}{r} 694 \\ 3 \overline{) 2083} \\ \underline{2082} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 5 = 416 \text{ remainder } 3$$

$$\begin{array}{r} 416 \\ 5 \overline{) 2083} \\ \underline{2080} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 7 = 297 \text{ remainder } 4$$

$$\begin{array}{r} 297 \\ 7 \overline{) 2083} \\ \underline{2079} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 11 = 189 \text{ remainder } 4$$

$$\begin{array}{r} 189 \\ 11 \overline{) 2083} \\ \underline{2079} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 13 = 160 \text{ remainder } 3$$

$$\begin{array}{r} 160 \\ 13 \overline{) 2083} \\ \underline{2080} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 17 = 122 \text{ remainder } 9$$

$$\begin{array}{r} 122 \\ 17 \overline{) 2083} \\ \underline{2074} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 19 = 109 \text{ remainder } 12$$

$$\begin{array}{r} 109 \\ 19 \overline{) 2083} \\ \underline{2071} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 23 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 23 \overline{) 2083} \\ \underline{2070} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 29 = 71 \text{ remainder } 24$$

$$\begin{array}{r} 71 \\ 29 \overline{) 2083} \\ \underline{2059} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$2083 \div 31 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 31 \overline{) 2083} \end{array}$$

2077

----

6 ← remainder

$2083 \div 37 = 56 \text{ remainder } 11$

37 |  $\overline{2083}$   
2072

----

11 ← remainder

$2083 \div 41 = 50 \text{ remainder } 33$

41 |  $\overline{2083}$   
2050

----

33 ← remainder

$2083 \div 43 = 48 \text{ remainder } 19$

43 |  $\overline{2083}$   
2064

----

19 ← remainder

## **P<sub>315</sub> 2087**

$$2087 \div 2 = 1043 \text{ remainder } 1$$

$$\begin{array}{r} 1043 \\ 2 \overline{) 2087} \\ \underline{2086} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 3 = 695 \text{ remainder } 2$$

$$\begin{array}{r} 695 \\ 3 \overline{) 2087} \\ \underline{2085} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 5 = 417 \text{ remainder } 2$$

$$\begin{array}{r} 417 \\ 5 \overline{) 2087} \\ \underline{2085} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 7 = 298 \text{ remainder } 1$$

$$\begin{array}{r} 298 \\ 7 \overline{) 2087} \\ \underline{2086} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 11 = 189 \text{ remainder } 8$$

$$\begin{array}{r} 189 \\ 11 \overline{) 2087} \\ \underline{2079} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 13 = 160 \text{ remainder } 7$$

$$\begin{array}{r} 160 \\ 13 \overline{) 2087} \\ \underline{2080} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 17 = 122 \text{ remainder } 13$$

$$\begin{array}{r} 122 \\ 17 \overline{) 2087} \\ \underline{2074} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 19 = 109 \text{ remainder } 16$$

$$\begin{array}{r} 109 \\ 19 \overline{) 2087} \\ \underline{2071} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 23 = 90 \text{ remainder } 17$$

$$\begin{array}{r} 90 \\ 23 \overline{) 2087} \\ \underline{2070} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 29 = 71 \text{ remainder } 28$$

$$\begin{array}{r} 71 \\ 29 \overline{) 2087} \\ \underline{2059} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2087 \div 31 = 67 \text{ remainder } 10$$

$$\begin{array}{r} 67 \\ 31 \overline{) 2087} \end{array}$$



2077

----

10 ← remainder

$2087 \div 37 = 56 \text{ remainder } 15$

56  
37 |  $\overline{2087}$   
2072

----

15 ← remainder

$2087 \div 41 = 50 \text{ remainder } 37$

50  
41 |  $\overline{2087}$   
2050

----

37 ← remainder

$2087 \div 43 = 48 \text{ remainder } 23$

48  
43 |  $\overline{2087}$   
2064

----

23 ← remainder

## **P<sub>316</sub> 2089**

$$2089 \div 2 = 1044 \text{ remainder } 1$$

$$\begin{array}{r} 1044 \\ 2 \overline{) 2089} \\ \underline{2088} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 3 = 696 \text{ remainder } 1$$

$$\begin{array}{r} 696 \\ 3 \overline{) 2089} \\ \underline{2088} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 5 = 417 \text{ remainder } 4$$

$$\begin{array}{r} 417 \\ 5 \overline{) 2089} \\ \underline{2085} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 7 = 298 \text{ remainder } 3$$

$$\begin{array}{r} 298 \\ 7 \overline{) 2089} \\ \underline{2086} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 11 = 189 \text{ remainder } 10$$

$$\begin{array}{r} 189 \\ 11 \overline{) 2089} \\ \underline{2079} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 13 = 160 \text{ remainder } 9$$

$$\begin{array}{r} 160 \\ 13 \overline{) 2089} \\ \underline{2080} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 17 = 122 \text{ remainder } 15$$

$$\begin{array}{r} 122 \\ 17 \overline{) 2089} \\ \underline{2074} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 19 = 109 \text{ remainder } 18$$

$$\begin{array}{r} 109 \\ 19 \overline{) 2089} \\ \underline{2071} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 23 = 90 \text{ remainder } 19$$

$$\begin{array}{r} 90 \\ 23 \overline{) 2089} \\ \underline{2070} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 29 = 72 \text{ remainder } 1$$

$$\begin{array}{r} 72 \\ 29 \overline{) 2089} \\ \underline{2088} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2089 \div 31 = 67 \text{ remainder } 12$$

$$\begin{array}{r} 67 \\ 31 \overline{) 2089} \end{array}$$

2077

----

12 ← remainder

$$2089 \div 37 = 56 \text{ remainder } 17$$

$$\begin{array}{r} 56 \\ 37 \overline{) 2089} \\ \underline{2072} \end{array}$$

----

17 ← remainder

$$2089 \div 41 = 50 \text{ remainder } 39$$

$$\begin{array}{r} 50 \\ 41 \overline{) 2089} \\ \underline{2050} \end{array}$$

----

39 ← remainder

$$2089 \div 43 = 48 \text{ remainder } 25$$

$$\begin{array}{r} 48 \\ 43 \overline{) 2089} \\ \underline{2064} \end{array}$$

----

25 ← remainder

## **P<sub>317</sub> 2099**

$$2099 \div 2 = 1049 \text{ remainder } 1$$

$$\begin{array}{r} 1049 \\ 2 \overline{) 2099} \\ \underline{2098} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 3 = 699 \text{ remainder } 2$$

$$\begin{array}{r} 699 \\ 3 \overline{) 2099} \\ \underline{2097} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 5 = 419 \text{ remainder } 4$$

$$\begin{array}{r} 419 \\ 5 \overline{) 2099} \\ \underline{2095} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 7 = 299 \text{ remainder } 6$$

$$\begin{array}{r} 299 \\ 7 \overline{) 2099} \\ \underline{2093} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 11 = 190 \text{ remainder } 9$$

$$\begin{array}{r} 190 \\ 11 \overline{) 2099} \\ \underline{2090} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 13 = 161 \text{ remainder } 6$$

$$\begin{array}{r} 161 \\ 13 \overline{) 2099} \\ \underline{2093} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 17 = 123 \text{ remainder } 8$$

$$\begin{array}{r} 123 \\ 17 \overline{) 2099} \\ \underline{2091} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 19 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 19 \overline{) 2099} \\ \underline{2090} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 23 = 91 \text{ remainder } 6$$

$$\begin{array}{r} 91 \\ 23 \overline{) 2099} \\ \underline{2093} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 29 = 72 \text{ remainder } 11$$

$$\begin{array}{r} 72 \\ 29 \overline{) 2099} \\ \underline{2088} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2099 \div 31 = 67 \text{ remainder } 22$$

$$\begin{array}{r} 67 \\ 31 \overline{) 2099} \end{array}$$

$$\begin{array}{r}
 2077 \\
 \text{----} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2099 \div 37 = 56 \text{ remainder } 27$$

$$\begin{array}{r}
 56 \\
 37 \overline{) 2099} \\
 \underline{2072} \phantom{00} \\
 \text{----} \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$2099 \div 41 = 51 \text{ remainder } 8$$

$$\begin{array}{r}
 51 \\
 41 \overline{) 2099} \\
 \underline{2091} \phantom{00} \\
 \text{----} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$2099 \div 43 = 48 \text{ remainder } 35$$

$$\begin{array}{r}
 48 \\
 43 \overline{) 2099} \\
 \underline{2064} \phantom{00} \\
 \text{----} \\
 35 \leftarrow \text{remainder}
 \end{array}$$

## **P<sub>318</sub> 2111**

$$2111 \div 2 = 1055 \text{ remainder } 1$$

$$\begin{array}{r} 1055 \\ 2 \overline{) 2111} \\ \underline{2110} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 3 = 703 \text{ remainder } 2$$

$$\begin{array}{r} 703 \\ 3 \overline{) 2111} \\ \underline{2109} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 5 = 422 \text{ remainder } 1$$

$$\begin{array}{r} 422 \\ 5 \overline{) 2111} \\ \underline{2110} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 7 = 301 \text{ remainder } 4$$

$$\begin{array}{r} 301 \\ 7 \overline{) 2111} \\ \underline{2107} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 11 = 191 \text{ remainder } 10$$

$$\begin{array}{r} 191 \\ 11 \overline{) 2111} \\ \underline{2101} \\ 10 \end{array} \leftarrow \text{remainder}$$



$$2111 \div 13 = 162 \text{ remainder } 5$$

$$\begin{array}{r} 162 \\ 13 \overline{) 2111} \\ \underline{2106} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 17 = 124 \text{ remainder } 3$$

$$\begin{array}{r} 124 \\ 17 \overline{) 2111} \\ \underline{2108} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 19 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 19 \overline{) 2111} \\ \underline{2109} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 23 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 23 \overline{) 2111} \\ \underline{2093} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 29 = 72 \text{ remainder } 23$$

$$\begin{array}{r} 72 \\ 29 \overline{) 2111} \\ \underline{2088} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$2111 \div 31 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 31 \overline{) 2111} \end{array}$$

2108

----

3 ← remainder

$2111 \div 37 = 57 \text{ remainder } 2$

57  
37 |  $\overline{2111}$   
2109

----

2 ← remainder

$2111 \div 41 = 51 \text{ remainder } 20$

51  
41 |  $\overline{2111}$   
2091

----

20 ← remainder

$2111 \div 43 = 49 \text{ remainder } 4$

49  
43 |  $\overline{2111}$   
2107

----

4 ← remainder

## **P<sub>319</sub> 2113**

$$2113 \div 2 = 1056 \text{ remainder } 1$$

$$\begin{array}{r} 1056 \\ 2 \overline{) 2113} \\ \underline{2112} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 3 = 704 \text{ remainder } 1$$

$$\begin{array}{r} 704 \\ 3 \overline{) 2113} \\ \underline{2112} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 5 = 422 \text{ remainder } 3$$

$$\begin{array}{r} 422 \\ 5 \overline{) 2113} \\ \underline{2110} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 7 = 301 \text{ remainder } 6$$

$$\begin{array}{r} 301 \\ 7 \overline{) 2113} \\ \underline{2107} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 11 = 192 \text{ remainder } 1$$

$$\begin{array}{r} 192 \\ 11 \overline{) 2113} \\ \underline{2112} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 13 = 162 \text{ remainder } 7$$

$$\begin{array}{r} 162 \\ 13 \overline{) 2113} \\ \underline{2106} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 17 = 124 \text{ remainder } 5$$

$$\begin{array}{r} 124 \\ 17 \overline{) 2113} \\ \underline{2108} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 19 = 111 \text{ remainder } 4$$

$$\begin{array}{r} 111 \\ 19 \overline{) 2113} \\ \underline{2109} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 23 = 91 \text{ remainder } 20$$

$$\begin{array}{r} 91 \\ 23 \overline{) 2113} \\ \underline{2093} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 29 = 72 \text{ remainder } 25$$

$$\begin{array}{r} 72 \\ 29 \overline{) 2113} \\ \underline{2088} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$2113 \div 31 = 68 \text{ remainder } 5$$

$$\begin{array}{r} 68 \\ 31 \overline{) 2113} \end{array}$$

2108

----

5 ← remainder

$2113 \div 37 = 57 \text{ remainder } 4$

57  
37 |  $\overline{2113}$   
2109

----

4 ← remainder

$2113 \div 41 = 51 \text{ remainder } 22$

51  
41 |  $\overline{2113}$   
2091

----

22 ← remainder

$2113 \div 43 = 49 \text{ remainder } 6$

49  
43 |  $\overline{2113}$   
2107

----

6 ← remainder

## **P<sub>320</sub> 2129**

$$2129 \div 2 = 1064 \text{ remainder } 1$$

$$\begin{array}{r} 1064 \\ 2 \overline{) 2129} \\ \underline{2128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 3 = 709 \text{ remainder } 2$$

$$\begin{array}{r} 709 \\ 3 \overline{) 2129} \\ \underline{2127} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 5 = 425 \text{ remainder } 4$$

$$\begin{array}{r} 425 \\ 5 \overline{) 2129} \\ \underline{2125} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 7 = 304 \text{ remainder } 1$$

$$\begin{array}{r} 304 \\ 7 \overline{) 2129} \\ \underline{2128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 11 = 193 \text{ remainder } 6$$

$$\begin{array}{r} 193 \\ 11 \overline{) 2129} \\ \underline{2123} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 13 = 163 \text{ remainder } 10$$

$$\begin{array}{r} 163 \\ 13 \overline{) 2129} \\ \underline{2119} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 17 = 125 \text{ remainder } 4$$

$$\begin{array}{r} 125 \\ 17 \overline{) 2129} \\ \underline{2125} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 19 = 112 \text{ remainder } 1$$

$$\begin{array}{r} 112 \\ 19 \overline{) 2129} \\ \underline{2128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 23 = 92 \text{ remainder } 13$$

$$\begin{array}{r} 92 \\ 23 \overline{) 2129} \\ \underline{2116} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 29 = 73 \text{ remainder } 12$$

$$\begin{array}{r} 73 \\ 29 \overline{) 2129} \\ \underline{2117} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2129 \div 31 = 68 \text{ remainder } 21$$

$$\begin{array}{r} 68 \\ 31 \overline{) 2129} \end{array}$$

2108

----

21 ← remainder

$2129 \div 37 = 57 \text{ remainder } 20$

37 |  $\overline{2129}$   
2109

----

20 ← remainder

$2129 \div 41 = 51 \text{ remainder } 38$

41 |  $\overline{2129}$   
2091

----

38 ← remainder

$2129 \div 43 = 49 \text{ remainder } 22$

43 |  $\overline{2129}$   
2107

----

22 ← remainder



## **P<sub>321</sub> 2131**

$$2131 \div 2 = 1065 \text{ remainder } 1$$

$$\begin{array}{r} 1065 \\ 2 \overline{) 2131} \\ \underline{2130} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 3 = 710 \text{ remainder } 1$$

$$\begin{array}{r} 710 \\ 3 \overline{) 2131} \\ \underline{2130} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 5 = 426 \text{ remainder } 1$$

$$\begin{array}{r} 426 \\ 5 \overline{) 2131} \\ \underline{2130} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 7 = 304 \text{ remainder } 3$$

$$\begin{array}{r} 304 \\ 7 \overline{) 2131} \\ \underline{2128} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 11 = 193 \text{ remainder } 8$$

$$\begin{array}{r} 193 \\ 11 \overline{) 2131} \\ \underline{2123} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 13 = 163 \text{ remainder } 12$$

$$\begin{array}{r} 163 \\ 13 \overline{) 2131} \\ \underline{2119} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 17 = 125 \text{ remainder } 6$$

$$\begin{array}{r} 125 \\ 17 \overline{) 2131} \\ \underline{2125} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 19 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 19 \overline{) 2131} \\ \underline{2128} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 23 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 23 \overline{) 2131} \\ \underline{2116} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 29 = 73 \text{ remainder } 14$$

$$\begin{array}{r} 73 \\ 29 \overline{) 2131} \\ \underline{2117} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2131 \div 31 = 68 \text{ remainder } 23$$

$$\begin{array}{r} 68 \\ 31 \overline{) 2131} \end{array}$$

$$\begin{array}{r} 2108 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2131 \div 37 = 57 \text{ remainder } 22$$

$$\begin{array}{r} 57 \\ 37 \overline{) 2131} \\ \underline{2109} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2131 \div 41 = 51 \text{ remainder } 40$$

$$\begin{array}{r} 51 \\ 41 \overline{) 2131} \\ \underline{2091} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$2131 \div 43 = 49 \text{ remainder } 24$$

$$\begin{array}{r} 49 \\ 43 \overline{) 2131} \\ \underline{2107} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

## **P<sub>322</sub> 2137**

$$2137 \div 2 = 1068 \text{ remainder } 1$$

$$\begin{array}{r} 1068 \\ 2 \overline{) 2137} \\ \underline{2136} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 3 = 712 \text{ remainder } 1$$

$$\begin{array}{r} 712 \\ 3 \overline{) 2137} \\ \underline{2136} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 5 = 427 \text{ remainder } 2$$

$$\begin{array}{r} 427 \\ 5 \overline{) 2137} \\ \underline{2135} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 7 = 305 \text{ remainder } 2$$

$$\begin{array}{r} 305 \\ 7 \overline{) 2137} \\ \underline{2135} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 11 = 194 \text{ remainder } 3$$

$$\begin{array}{r} 194 \\ 11 \overline{) 2137} \\ \underline{2134} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 13 = 164 \text{ remainder } 5$$

$$\begin{array}{r} 164 \\ 13 \overline{) 2137} \\ \underline{2132} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 17 = 125 \text{ remainder } 12$$

$$\begin{array}{r} 125 \\ 17 \overline{) 2137} \\ \underline{2125} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 19 = 112 \text{ remainder } 9$$

$$\begin{array}{r} 112 \\ 19 \overline{) 2137} \\ \underline{2128} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 23 = 92 \text{ remainder } 21$$

$$\begin{array}{r} 92 \\ 23 \overline{) 2137} \\ \underline{2116} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 29 = 73 \text{ remainder } 20$$

$$\begin{array}{r} 73 \\ 29 \overline{) 2137} \\ \underline{2117} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2137 \div 31 = 68 \text{ remainder } 29$$

$$\begin{array}{r} 68 \\ 31 \overline{) 2137} \end{array}$$

$$\begin{array}{r} 2108 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2137 \div 37 = 57 \text{ remainder } 28$$

$$\begin{array}{r} 57 \\ 37 \overline{) 2137} \\ \underline{2109} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2137 \div 41 = 52 \text{ remainder } 5$$

$$\begin{array}{r} 52 \\ 41 \overline{) 2137} \\ \underline{2132} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2137 \div 43 = 49 \text{ remainder } 30$$

$$\begin{array}{r} 49 \\ 43 \overline{) 2137} \\ \underline{2107} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

## **P<sub>323</sub> 2141**

$$2141 \div 2 = 1070 \text{ remainder } 1$$

$$\begin{array}{r} 1070 \\ 2 \overline{) 2141} \\ \underline{2140} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2141 \div 3 = 713 \text{ remainder } 2$$

$$\begin{array}{r} 713 \\ 3 \overline{) 2141} \\ \underline{2139} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2141 \div 5 = 428 \text{ remainder } 1$$

$$\begin{array}{r} 428 \\ 5 \overline{) 2141} \\ \underline{2140} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2141 \div 7 = 305 \text{ remainder } 6$$

$$\begin{array}{r} 305 \\ 7 \overline{) 2141} \\ \underline{2135} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2141 \div 11 = 194 \text{ remainder } 7$$

$$\begin{array}{r} 194 \\ 11 \overline{) 2141} \\ \underline{2134} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2141 \div 13 = 164 \text{ remainder } 9$$

$$\begin{array}{r} 164 \\ 13 \overline{) 2141} \\ \underline{2132} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2141 \div 17 = 125 \text{ remainder } 16$$

$$\begin{array}{r} 125 \\ 17 \overline{) 2141} \\ \underline{2125} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2141 \div 19 = 112 \text{ remainder } 13$$

$$\begin{array}{r} 112 \\ 19 \overline{) 2141} \\ \underline{2128} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2141 \div 23 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 23 \overline{) 2141} \\ \underline{2139} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2141 \div 29 = 73 \text{ remainder } 24$$

$$\begin{array}{r} 73 \\ 29 \overline{) 2141} \\ \underline{2117} \phantom{00} \\ 24 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2141 \div 31 = 69 \text{ remainder } 2$$

$$\begin{array}{r} 69 \\ 31 \overline{) 2141} \end{array}$$



2139

----

2 ← remainder

$2141 \div 37 = 57 \text{ remainder } 32$

37 |  $\overline{2141}$   
2109

----

32 ← remainder

$2141 \div 41 = 52 \text{ remainder } 9$

41 |  $\overline{2141}$   
2132

----

9 ← remainder

$2141 \div 43 = 49 \text{ remainder } 34$

43 |  $\overline{2141}$   
2107

----

34 ← remainder

## **P<sub>324</sub> 2143**

$$2143 \div 2 = 1071 \text{ remainder } 1$$

$$\begin{array}{r} 1071 \\ 2 \overline{) 2143} \\ \underline{2142} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 3 = 714 \text{ remainder } 1$$

$$\begin{array}{r} 714 \\ 3 \overline{) 2143} \\ \underline{2142} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 5 = 428 \text{ remainder } 3$$

$$\begin{array}{r} 428 \\ 5 \overline{) 2143} \\ \underline{2140} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 7 = 306 \text{ remainder } 1$$

$$\begin{array}{r} 306 \\ 7 \overline{) 2143} \\ \underline{2142} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 11 = 194 \text{ remainder } 9$$

$$\begin{array}{r} 194 \\ 11 \overline{) 2143} \\ \underline{2134} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 13 = 164 \text{ remainder } 11$$

$$\begin{array}{r} 164 \\ 13 \overline{) 2143} \\ \underline{2132} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 17 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 17 \overline{) 2143} \\ \underline{2142} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 19 = 112 \text{ remainder } 15$$

$$\begin{array}{r} 112 \\ 19 \overline{) 2143} \\ \underline{2128} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 23 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 23 \overline{) 2143} \\ \underline{2139} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 29 = 73 \text{ remainder } 26$$

$$\begin{array}{r} 73 \\ 29 \overline{) 2143} \\ \underline{2117} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$2143 \div 31 = 69 \text{ remainder } 4$$

$$\begin{array}{r} 69 \\ 31 \overline{) 2143} \end{array}$$

2139

----

4 ← remainder

$2143 \div 37 = 57 \text{ remainder } 34$

37 |  $\overline{2143}$   
2109

----

34 ← remainder

$2143 \div 41 = 52 \text{ remainder } 11$

41 |  $\overline{2143}$   
2132

----

11 ← remainder

$2143 \div 43 = 49 \text{ remainder } 36$

43 |  $\overline{2143}$   
2107

----

36 ← remainder

## **P<sub>325</sub> 2153**

$$2153 \div 2 = 1076 \text{ remainder } 1$$

$$\begin{array}{r} 1076 \\ 2 \overline{) 2153} \\ \underline{2152} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 3 = 717 \text{ remainder } 2$$

$$\begin{array}{r} 717 \\ 3 \overline{) 2153} \\ \underline{2151} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 5 = 430 \text{ remainder } 3$$

$$\begin{array}{r} 430 \\ 5 \overline{) 2153} \\ \underline{2150} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 7 = 307 \text{ remainder } 4$$

$$\begin{array}{r} 307 \\ 7 \overline{) 2153} \\ \underline{2149} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 11 = 195 \text{ remainder } 8$$

$$\begin{array}{r} 195 \\ 11 \overline{) 2153} \\ \underline{2145} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 13 = 165 \text{ remainder } 8$$

$$\begin{array}{r} 165 \\ 13 \overline{) 2153} \\ \underline{2145} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 17 = 126 \text{ remainder } 11$$

$$\begin{array}{r} 126 \\ 17 \overline{) 2153} \\ \underline{2142} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 19 = 113 \text{ remainder } 6$$

$$\begin{array}{r} 113 \\ 19 \overline{) 2153} \\ \underline{2147} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 23 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 23 \overline{) 2153} \\ \underline{2139} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 29 = 74 \text{ remainder } 7$$

$$\begin{array}{r} 74 \\ 29 \overline{) 2153} \\ \underline{2146} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2153 \div 31 = 69 \text{ remainder } 14$$

$$\begin{array}{r} 69 \\ 31 \overline{) 2153} \end{array}$$

2139

----

14 ← remainder

$$2153 \div 37 = 58 \text{ remainder } 7$$

$$\begin{array}{r} 58 \\ 37 \overline{) 2153} \\ \underline{2146} \end{array}$$

----

7 ← remainder

$$2153 \div 41 = 52 \text{ remainder } 21$$

$$\begin{array}{r} 52 \\ 41 \overline{) 2153} \\ \underline{2132} \end{array}$$

----

21 ← remainder

$$2153 \div 43 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 43 \overline{) 2153} \\ \underline{2150} \end{array}$$

----

3 ← remainder

## **P<sub>326</sub> 2161**

$$2161 \div 2 = 1080 \text{ remainder } 1$$

$$\begin{array}{r} 1080 \\ 2 \overline{) 2161} \\ \underline{2160} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 3 = 720 \text{ remainder } 1$$

$$\begin{array}{r} 720 \\ 3 \overline{) 2161} \\ \underline{2160} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 5 = 432 \text{ remainder } 1$$

$$\begin{array}{r} 432 \\ 5 \overline{) 2161} \\ \underline{2160} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 7 = 308 \text{ remainder } 5$$

$$\begin{array}{r} 308 \\ 7 \overline{) 2161} \\ \underline{2156} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 11 = 196 \text{ remainder } 5$$

$$\begin{array}{r} 196 \\ 11 \overline{) 2161} \\ \underline{2156} \\ 5 \end{array} \leftarrow \text{remainder}$$



$$2161 \div 13 = 166 \text{ remainder } 3$$

$$\begin{array}{r} 166 \\ 13 \overline{) 2161} \\ \underline{2158} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 17 = 127 \text{ remainder } 2$$

$$\begin{array}{r} 127 \\ 17 \overline{) 2161} \\ \underline{2159} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 19 = 113 \text{ remainder } 14$$

$$\begin{array}{r} 113 \\ 19 \overline{) 2161} \\ \underline{2147} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 23 = 93 \text{ remainder } 22$$

$$\begin{array}{r} 93 \\ 23 \overline{) 2161} \\ \underline{2139} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 29 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 29 \overline{) 2161} \\ \underline{2146} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2161 \div 31 = 69 \text{ remainder } 22$$

$$\begin{array}{r} 69 \\ 31 \overline{) 2161} \end{array}$$

$$\begin{array}{r} 2139 \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2161 \div 37 = 58 \text{ remainder } 15$$

$$\begin{array}{r} 58 \\ 37 \overline{) 2161} \\ \underline{2146} \\ - - - - \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2161 \div 41 = 52 \text{ remainder } 29$$

$$\begin{array}{r} 52 \\ 41 \overline{) 2161} \\ \underline{2132} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2161 \div 43 = 50 \text{ remainder } 11$$

$$\begin{array}{r} 50 \\ 43 \overline{) 2161} \\ \underline{2150} \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

## **P<sub>327</sub> 2179**

$$2179 \div 2 = 1089 \text{ remainder } 1$$

$$\begin{array}{r} 1089 \\ 2 \overline{) 2179} \\ \underline{2178} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2179 \div 3 = 726 \text{ remainder } 1$$

$$\begin{array}{r} 726 \\ 3 \overline{) 2179} \\ \underline{2178} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2179 \div 5 = 435 \text{ remainder } 4$$

$$\begin{array}{r} 435 \\ 5 \overline{) 2179} \\ \underline{2175} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2179 \div 7 = 311 \text{ remainder } 2$$

$$\begin{array}{r} 311 \\ 7 \overline{) 2179} \\ \underline{2177} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2179 \div 11 = 198 \text{ remainder } 1$$

$$\begin{array}{r} 198 \\ 11 \overline{) 2179} \\ \underline{2178} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2179 \div 13 = 167 \text{ remainder } 8$$

$$\begin{array}{r} 167 \\ 13 \overline{) 2179} \\ \underline{2171} \phantom{0} \\ 8 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2179 \div 17 = 128 \text{ remainder } 3$$

$$\begin{array}{r} 128 \\ 17 \overline{) 2179} \\ \underline{2176} \phantom{0} \\ 3 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2179 \div 19 = 114 \text{ remainder } 13$$

$$\begin{array}{r} 114 \\ 19 \overline{) 2179} \\ \underline{2166} \phantom{0} \\ 13 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2179 \div 23 = 94 \text{ remainder } 17$$

$$\begin{array}{r} 94 \\ 23 \overline{) 2179} \\ \underline{2162} \phantom{0} \\ 17 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2179 \div 29 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 29 \overline{) 2179} \\ \underline{2175} \phantom{0} \\ 4 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2179 \div 31 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 31 \overline{) 2179} \end{array}$$

$$\begin{array}{r} 2170 \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2179 \div 37 = 58 \text{ remainder } 33$$

$$\begin{array}{r} 58 \\ 37 \overline{) 2179} \\ \underline{2146} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2179 \div 41 = 53 \text{ remainder } 6$$

$$\begin{array}{r} 53 \\ 41 \overline{) 2179} \\ \underline{2173} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2179 \div 43 = 50 \text{ remainder } 29$$

$$\begin{array}{r} 50 \\ 43 \overline{) 2179} \\ \underline{2150} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

## **P<sub>328</sub> 2203**

$$2203 \div 2 = 1101 \text{ remainder } 1$$

$$\begin{array}{r} 1101 \\ 2 \overline{) 2203} \\ \underline{2202} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 3 = 734 \text{ remainder } 1$$

$$\begin{array}{r} 734 \\ 3 \overline{) 2203} \\ \underline{2202} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 5 = 440 \text{ remainder } 3$$

$$\begin{array}{r} 440 \\ 5 \overline{) 2203} \\ \underline{2200} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 7 = 314 \text{ remainder } 5$$

$$\begin{array}{r} 314 \\ 7 \overline{) 2203} \\ \underline{2198} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 11 = 200 \text{ remainder } 3$$

$$\begin{array}{r} 200 \\ 11 \overline{) 2203} \\ \underline{2200} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 13 = 169 \text{ remainder } 6$$

$$\begin{array}{r} 169 \\ 13 \overline{) 2203} \\ \underline{2197} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 17 = 129 \text{ remainder } 10$$

$$\begin{array}{r} 129 \\ 17 \overline{) 2203} \\ \underline{2193} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 19 = 115 \text{ remainder } 18$$

$$\begin{array}{r} 115 \\ 19 \overline{) 2203} \\ \underline{2185} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 23 = 95 \text{ remainder } 18$$

$$\begin{array}{r} 95 \\ 23 \overline{) 2203} \\ \underline{2185} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 29 = 75 \text{ remainder } 28$$

$$\begin{array}{r} 75 \\ 29 \overline{) 2203} \\ \underline{2175} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2203 \div 31 = 71 \text{ remainder } 2$$

$$\begin{array}{r} 71 \\ 31 \overline{) 2203} \end{array}$$

$$\begin{array}{r} 2201 \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2203 \div 37 = 59 \text{ remainder } 20$$

$$\begin{array}{r} 59 \\ 37 \overline{) 2203} \\ \underline{2183} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2203 \div 41 = 53 \text{ remainder } 30$$

$$\begin{array}{r} 53 \\ 41 \overline{) 2203} \\ \underline{2173} \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2203 \div 43 = 51 \text{ remainder } 10$$

$$\begin{array}{r} 51 \\ 43 \overline{) 2203} \\ \underline{2193} \\ - - - - \\ 10 \leftarrow \text{remainder} \end{array}$$



## **P<sub>329</sub> 2207**

$$2207 \div 2 = 1103 \text{ remainder } 1$$

$$\begin{array}{r} 1103 \\ 2 \overline{) 2207} \\ \underline{2206} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 3 = 735 \text{ remainder } 2$$

$$\begin{array}{r} 735 \\ 3 \overline{) 2207} \\ \underline{2205} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 5 = 441 \text{ remainder } 2$$

$$\begin{array}{r} 441 \\ 5 \overline{) 2207} \\ \underline{2205} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 7 = 315 \text{ remainder } 2$$

$$\begin{array}{r} 315 \\ 7 \overline{) 2207} \\ \underline{2205} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 11 = 200 \text{ remainder } 7$$

$$\begin{array}{r} 200 \\ 11 \overline{) 2207} \\ \underline{2200} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 13 = 169 \text{ remainder } 10$$

$$\begin{array}{r} 169 \\ 13 \overline{) 2207} \\ \underline{2197} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 17 = 129 \text{ remainder } 14$$

$$\begin{array}{r} 129 \\ 17 \overline{) 2207} \\ \underline{2193} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 19 = 116 \text{ remainder } 3$$

$$\begin{array}{r} 116 \\ 19 \overline{) 2207} \\ \underline{2204} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 23 = 95 \text{ remainder } 22$$

$$\begin{array}{r} 95 \\ 23 \overline{) 2207} \\ \underline{2185} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 29 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 29 \overline{) 2207} \\ \underline{2204} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2207 \div 31 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 31 \overline{) 2207} \end{array}$$

2201

----

6 ← remainder

$2207 \div 37 = 59$  remainder 24

59  
37 |  $\overline{2207}$   
2183

----

24 ← remainder

$2207 \div 41 = 53$  remainder 34

53  
41 |  $\overline{2207}$   
2173

----

34 ← remainder

$2207 \div 43 = 51$  remainder 14

51  
43 |  $\overline{2207}$   
2193

----

14 ← remainder

## **P<sub>330</sub> 2213**

$$2213 \div 2 = 1106 \text{ remainder } 1$$

$$\begin{array}{r} 1106 \\ 2 \overline{) 2213} \\ \underline{2212} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 3 = 737 \text{ remainder } 2$$

$$\begin{array}{r} 737 \\ 3 \overline{) 2213} \\ \underline{2211} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 5 = 442 \text{ remainder } 3$$

$$\begin{array}{r} 442 \\ 5 \overline{) 2213} \\ \underline{2210} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 7 = 316 \text{ remainder } 1$$

$$\begin{array}{r} 316 \\ 7 \overline{) 2213} \\ \underline{2212} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 11 = 201 \text{ remainder } 2$$

$$\begin{array}{r} 201 \\ 11 \overline{) 2213} \\ \underline{2211} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 13 = 170 \text{ remainder } 3$$

$$\begin{array}{r} 170 \\ 13 \overline{) 2213} \\ \underline{2210} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 17 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 17 \overline{) 2213} \\ \underline{2210} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 19 = 116 \text{ remainder } 9$$

$$\begin{array}{r} 116 \\ 19 \overline{) 2213} \\ \underline{2204} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 23 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 23 \overline{) 2213} \\ \underline{2208} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 29 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 29 \overline{) 2213} \\ \underline{2204} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2213 \div 31 = 71 \text{ remainder } 12$$

$$\begin{array}{r} 71 \\ 31 \overline{) 2213} \end{array}$$

$$\begin{array}{r} 2201 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2213 \div 37 = 59 \text{ remainder } 30$$

$$\begin{array}{r} 59 \\ 37 \mid \overline{2213} \\ \underline{2183} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2213 \div 41 = 53 \text{ remainder } 40$$

$$\begin{array}{r} 53 \\ 41 \mid \overline{2213} \\ \underline{2173} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$2213 \div 43 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 43 \mid \overline{2213} \\ \underline{2193} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2213 \div 47 = 47 \text{ remainder } 4$$

$$\begin{array}{r} 47 \\ 47 \mid \overline{2213} \\ \underline{2209} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

## **P<sub>331</sub> 2221**

$$2221 \div 2 = 1110 \text{ remainder } 1$$

$$\begin{array}{r} 1110 \\ 2 \overline{) 2221} \\ \underline{2220} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 3 = 740 \text{ remainder } 1$$

$$\begin{array}{r} 740 \\ 3 \overline{) 2221} \\ \underline{2220} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 5 = 444 \text{ remainder } 1$$

$$\begin{array}{r} 444 \\ 5 \overline{) 2221} \\ \underline{2220} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 7 = 317 \text{ remainder } 2$$

$$\begin{array}{r} 317 \\ 7 \overline{) 2221} \\ \underline{2219} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 11 = 201 \text{ remainder } 10$$

$$\begin{array}{r} 201 \\ 11 \overline{) 2221} \\ \underline{2211} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 13 = 170 \text{ remainder } 11$$

$$\begin{array}{r} 170 \\ 13 \overline{) 2221} \\ \underline{2210} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 17 = 130 \text{ remainder } 11$$

$$\begin{array}{r} 130 \\ 17 \overline{) 2221} \\ \underline{2210} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 19 = 116 \text{ remainder } 17$$

$$\begin{array}{r} 116 \\ 19 \overline{) 2221} \\ \underline{2204} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 23 = 96 \text{ remainder } 13$$

$$\begin{array}{r} 96 \\ 23 \overline{) 2221} \\ \underline{2208} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 29 = 76 \text{ remainder } 17$$

$$\begin{array}{r} 76 \\ 29 \overline{) 2221} \\ \underline{2204} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 31 = 71 \text{ remainder } 20$$

$$\begin{array}{r} 71 \\ 31 \overline{) 2221} \end{array}$$



$$\begin{array}{r} 2201 \\ - - - - \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 37 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 37 \overline{) 2221} \\ \underline{2220} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 41 = 54 \text{ remainder } 7$$

$$\begin{array}{r} 54 \\ 41 \overline{) 2221} \\ \underline{2214} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 43 = 51 \text{ remainder } 28$$

$$\begin{array}{r} 51 \\ 43 \overline{) 2221} \\ \underline{2193} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2221 \div 47 = 47 \text{ remainder } 12$$

$$\begin{array}{r} 47 \\ 47 \overline{) 2221} \\ \underline{2209} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>332</sub> 2237**

$$2237 \div 2 = 1118 \text{ remainder } 1$$

$$\begin{array}{r} 1118 \\ 2 \overline{) 2237} \\ \underline{2236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 3 = 745 \text{ remainder } 2$$

$$\begin{array}{r} 745 \\ 3 \overline{) 2237} \\ \underline{2235} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 5 = 447 \text{ remainder } 2$$

$$\begin{array}{r} 447 \\ 5 \overline{) 2237} \\ \underline{2235} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 7 = 319 \text{ remainder } 4$$

$$\begin{array}{r} 319 \\ 7 \overline{) 2237} \\ \underline{2233} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 11 = 203 \text{ remainder } 4$$

$$\begin{array}{r} 203 \\ 11 \overline{) 2237} \\ \underline{2233} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 13 = 172 \text{ remainder } 1$$

$$\begin{array}{r} 172 \\ 13 \overline{) 2237} \\ \underline{2236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 17 = 131 \text{ remainder } 10$$

$$\begin{array}{r} 131 \\ 17 \overline{) 2237} \\ \underline{2227} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 19 = 117 \text{ remainder } 14$$

$$\begin{array}{r} 117 \\ 19 \overline{) 2237} \\ \underline{2223} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 23 = 97 \text{ remainder } 6$$

$$\begin{array}{r} 97 \\ 23 \overline{) 2237} \\ \underline{2231} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 29 = 77 \text{ remainder } 4$$

$$\begin{array}{r} 77 \\ 29 \overline{) 2237} \\ \underline{2233} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2237 \div 31 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 31 \overline{) 2237} \end{array}$$

2232

----

5 ← remainder

$2237 \div 37 = 60 \text{ remainder } 17$

37 |  $\overline{2237}$   
60  
 $\overline{2220}$

----

17 ← remainder

$2237 \div 41 = 54 \text{ remainder } 23$

41 |  $\overline{2237}$   
54  
 $\overline{2214}$

----

23 ← remainder

$2237 \div 43 = 52 \text{ remainder } 1$

43 |  $\overline{2237}$   
52  
 $\overline{2236}$

----

1 ← remainder

$2237 \div 47 = 47 \text{ remainder } 28$

47 |  $\overline{2237}$   
47  
 $\overline{2209}$

----

28 ← remainder

## **P<sub>333</sub> 2239**

$$2239 \div 2 = 1119 \text{ remainder } 1$$

$$\begin{array}{r} 1119 \\ 2 \overline{) 2239} \\ \underline{2238} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 3 = 746 \text{ remainder } 1$$

$$\begin{array}{r} 746 \\ 3 \overline{) 2239} \\ \underline{2238} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 5 = 447 \text{ remainder } 4$$

$$\begin{array}{r} 447 \\ 5 \overline{) 2239} \\ \underline{2235} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 7 = 319 \text{ remainder } 6$$

$$\begin{array}{r} 319 \\ 7 \overline{) 2239} \\ \underline{2233} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 11 = 203 \text{ remainder } 6$$

$$\begin{array}{r} 203 \\ 11 \overline{) 2239} \\ \underline{2233} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 13 = 172 \text{ remainder } 3$$

$$\begin{array}{r} 172 \\ 13 \overline{) 2239} \\ \underline{2236} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 17 = 131 \text{ remainder } 12$$

$$\begin{array}{r} 131 \\ 17 \overline{) 2239} \\ \underline{2227} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 19 = 117 \text{ remainder } 16$$

$$\begin{array}{r} 117 \\ 19 \overline{) 2239} \\ \underline{2223} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 23 = 97 \text{ remainder } 8$$

$$\begin{array}{r} 97 \\ 23 \overline{) 2239} \\ \underline{2231} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 29 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 29 \overline{) 2239} \\ \underline{2233} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2239 \div 31 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 31 \overline{) 2239} \end{array}$$

$$\begin{array}{r} 2232 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2239 \div 37 = 60 \text{ remainder } 19$$

$$\begin{array}{r} 60 \\ 37 \mid \overline{2239} \\ \underline{2220} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2239 \div 41 = 54 \text{ remainder } 25$$

$$\begin{array}{r} 54 \\ 41 \mid \overline{2239} \\ \underline{2214} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2239 \div 43 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 43 \mid \overline{2239} \\ \underline{2236} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2239 \div 47 = 47 \text{ remainder } 30$$

$$\begin{array}{r} 47 \\ 47 \mid \overline{2239} \\ \underline{2209} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

## **P<sub>334</sub> 2243**

$$2243 \div 2 = 1121 \text{ remainder } 1$$

$$\begin{array}{r} 1121 \\ 2 \overline{) 2243} \\ \underline{2242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 3 = 747 \text{ remainder } 2$$

$$\begin{array}{r} 747 \\ 3 \overline{) 2243} \\ \underline{2241} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 5 = 448 \text{ remainder } 3$$

$$\begin{array}{r} 448 \\ 5 \overline{) 2243} \\ \underline{2240} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 7 = 320 \text{ remainder } 3$$

$$\begin{array}{r} 320 \\ 7 \overline{) 2243} \\ \underline{2240} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 11 = 203 \text{ remainder } 10$$

$$\begin{array}{r} 203 \\ 11 \overline{) 2243} \\ \underline{2233} \\ 10 \end{array} \leftarrow \text{remainder}$$



$$2243 \div 13 = 172 \text{ remainder } 7$$

$$\begin{array}{r} 172 \\ 13 \overline{) 2243} \\ \underline{2236} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 17 = 131 \text{ remainder } 16$$

$$\begin{array}{r} 131 \\ 17 \overline{) 2243} \\ \underline{2227} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 19 = 118 \text{ remainder } 1$$

$$\begin{array}{r} 118 \\ 19 \overline{) 2243} \\ \underline{2242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 23 = 97 \text{ remainder } 12$$

$$\begin{array}{r} 97 \\ 23 \overline{) 2243} \\ \underline{2231} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 29 = 77 \text{ remainder } 10$$

$$\begin{array}{r} 77 \\ 29 \overline{) 2243} \\ \underline{2233} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 31 = 72 \text{ remainder } 11$$

$$\begin{array}{r} 72 \\ 31 \overline{) 2243} \end{array}$$

$$\begin{array}{r} 2232 \\ - - - - \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 37 = 60 \text{ remainder } 23$$

$$\begin{array}{r} 60 \\ 37 \overline{) 2243} \\ \underline{2220} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 41 = 54 \text{ remainder } 29$$

$$\begin{array}{r} 54 \\ 41 \overline{) 2243} \\ \underline{2214} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 43 = 52 \text{ remainder } 7$$

$$\begin{array}{r} 52 \\ 43 \overline{) 2243} \\ \underline{2236} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2243 \div 47 = 47 \text{ remainder } 34$$

$$\begin{array}{r} 47 \\ 47 \overline{) 2243} \\ \underline{2209} \\ 34 \end{array} \leftarrow \text{remainder}$$

## **P<sub>335</sub> 2251**

$$2251 \div 2 = 1125 \text{ remainder } 1$$

$$\begin{array}{r} 1125 \\ 2 \overline{) 2251} \\ \underline{2250} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 3 = 750 \text{ remainder } 1$$

$$\begin{array}{r} 750 \\ 3 \overline{) 2251} \\ \underline{2250} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 5 = 450 \text{ remainder } 1$$

$$\begin{array}{r} 450 \\ 5 \overline{) 2251} \\ \underline{2250} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 7 = 321 \text{ remainder } 4$$

$$\begin{array}{r} 321 \\ 7 \overline{) 2251} \\ \underline{2247} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 11 = 204 \text{ remainder } 7$$

$$\begin{array}{r} 204 \\ 11 \overline{) 2251} \\ \underline{2244} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 13 = 173 \text{ remainder } 2$$

$$\begin{array}{r} 173 \\ 13 \overline{) 2251} \\ \underline{2249} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 17 = 132 \text{ remainder } 7$$

$$\begin{array}{r} 132 \\ 17 \overline{) 2251} \\ \underline{2244} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 19 = 118 \text{ remainder } 9$$

$$\begin{array}{r} 118 \\ 19 \overline{) 2251} \\ \underline{2242} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 23 = 97 \text{ remainder } 20$$

$$\begin{array}{r} 97 \\ 23 \overline{) 2251} \\ \underline{2231} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 29 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 29 \overline{) 2251} \\ \underline{2233} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2251 \div 31 = 72 \text{ remainder } 19$$

$$\begin{array}{r} 72 \\ 31 \overline{) 2251} \end{array}$$

$$\begin{array}{r} 2232 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2251 \div 37 = 60 \text{ remainder } 31$$

$$\begin{array}{r} 60 \\ 37 \mid \overline{2251} \\ \underline{2220} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2251 \div 41 = 54 \text{ remainder } 37$$

$$\begin{array}{r} 54 \\ 41 \mid \overline{2251} \\ \underline{2214} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2251 \div 43 = 52 \text{ remainder } 15$$

$$\begin{array}{r} 52 \\ 43 \mid \overline{2251} \\ \underline{2236} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2251 \div 47 = 47 \text{ remainder } 42$$

$$\begin{array}{r} 47 \\ 47 \mid \overline{2251} \\ \underline{2209} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

## **P<sub>336</sub> 2267**

$$2267 \div 2 = 1133 \text{ remainder } 1$$

$$\begin{array}{r} 1133 \\ 2 \overline{) 2267} \\ \underline{2266} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 3 = 755 \text{ remainder } 2$$

$$\begin{array}{r} 755 \\ 3 \overline{) 2267} \\ \underline{2265} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 5 = 453 \text{ remainder } 2$$

$$\begin{array}{r} 453 \\ 5 \overline{) 2267} \\ \underline{2265} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 7 = 323 \text{ remainder } 6$$

$$\begin{array}{r} 323 \\ 7 \overline{) 2267} \\ \underline{2261} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 11 = 206 \text{ remainder } 1$$

$$\begin{array}{r} 206 \\ 11 \overline{) 2267} \\ \underline{2266} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 13 = 174 \text{ remainder } 5$$

$$\begin{array}{r} 174 \\ 13 \overline{) 2267} \\ \underline{2262} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 17 = 133 \text{ remainder } 6$$

$$\begin{array}{r} 133 \\ 17 \overline{) 2267} \\ \underline{2261} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 19 = 119 \text{ remainder } 6$$

$$\begin{array}{r} 119 \\ 19 \overline{) 2267} \\ \underline{2261} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 23 = 98 \text{ remainder } 13$$

$$\begin{array}{r} 98 \\ 23 \overline{) 2267} \\ \underline{2254} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 29 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 29 \overline{) 2267} \\ \underline{2262} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2267 \div 31 = 73 \text{ remainder } 4$$

$$\begin{array}{r} 73 \\ 31 \overline{) 2267} \end{array}$$

2263

----

4 ← remainder

$2267 \div 37 = 61 \text{ remainder } 10$

37 |  $\overline{2267}$   
61  
 $\overline{2257}$

----

10 ← remainder

$2267 \div 41 = 55 \text{ remainder } 12$

41 |  $\overline{2267}$   
55  
 $\overline{2255}$

----

12 ← remainder

$2267 \div 43 = 52 \text{ remainder } 31$

43 |  $\overline{2267}$   
52  
 $\overline{2236}$

----

31 ← remainder

$2267 \div 47 = 48 \text{ remainder } 11$

47 |  $\overline{2267}$   
48  
 $\overline{2256}$

----

11 ← remainder



## **P<sub>337</sub> 2269**

$$2269 \div 2 = 1134 \text{ remainder } 1$$

$$\begin{array}{r} 1134 \\ 2 \overline{) 2269} \\ \underline{2268} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 3 = 756 \text{ remainder } 1$$

$$\begin{array}{r} 756 \\ 3 \overline{) 2269} \\ \underline{2268} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 5 = 453 \text{ remainder } 4$$

$$\begin{array}{r} 453 \\ 5 \overline{) 2269} \\ \underline{2265} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 7 = 324 \text{ remainder } 1$$

$$\begin{array}{r} 324 \\ 7 \overline{) 2269} \\ \underline{2268} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 11 = 206 \text{ remainder } 3$$

$$\begin{array}{r} 206 \\ 11 \overline{) 2269} \\ \underline{2266} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 13 = 174 \text{ remainder } 7$$

$$\begin{array}{r} 174 \\ 13 \overline{) 2269} \\ \underline{2262} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 17 = 133 \text{ remainder } 8$$

$$\begin{array}{r} 133 \\ 17 \overline{) 2269} \\ \underline{2261} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 19 = 119 \text{ remainder } 8$$

$$\begin{array}{r} 119 \\ 19 \overline{) 2269} \\ \underline{2261} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 23 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 23 \overline{) 2269} \\ \underline{2254} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 29 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 29 \overline{) 2269} \\ \underline{2262} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2269 \div 31 = 73 \text{ remainder } 6$$

$$\begin{array}{r} 73 \\ 31 \overline{) 2269} \end{array}$$

2263

----

6 ← remainder

$$2269 \div 37 = 61 \text{ remainder } 12$$

$$\begin{array}{r} 61 \\ 37 \overline{) 2269} \\ \underline{2257} \end{array}$$

----

12 ← remainder

$$2269 \div 41 = 55 \text{ remainder } 14$$

$$\begin{array}{r} 55 \\ 41 \overline{) 2269} \\ \underline{2255} \end{array}$$

----

14 ← remainder

$$2269 \div 43 = 52 \text{ remainder } 33$$

$$\begin{array}{r} 52 \\ 43 \overline{) 2269} \\ \underline{2236} \end{array}$$

----

33 ← remainder

$$2269 \div 47 = 48 \text{ remainder } 13$$

$$\begin{array}{r} 48 \\ 47 \overline{) 2269} \\ \underline{2256} \end{array}$$

----

13 ← remainder

## **P<sub>338</sub> 2273**

$$2273 \div 2 = 1136 \text{ remainder } 1$$

$$\begin{array}{r} 1136 \\ 2 \overline{) 2273} \\ \underline{2272} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 3 = 757 \text{ remainder } 2$$

$$\begin{array}{r} 757 \\ 3 \overline{) 2273} \\ \underline{2271} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 5 = 454 \text{ remainder } 3$$

$$\begin{array}{r} 454 \\ 5 \overline{) 2273} \\ \underline{2270} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 7 = 324 \text{ remainder } 5$$

$$\begin{array}{r} 324 \\ 7 \overline{) 2273} \\ \underline{2268} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 11 = 206 \text{ remainder } 7$$

$$\begin{array}{r} 206 \\ 11 \overline{) 2273} \\ \underline{2266} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 13 = 174 \text{ remainder } 11$$

$$\begin{array}{r} 174 \\ 13 \overline{) 2273} \\ \underline{2262} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 17 = 133 \text{ remainder } 12$$

$$\begin{array}{r} 133 \\ 17 \overline{) 2273} \\ \underline{2261} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 19 = 119 \text{ remainder } 12$$

$$\begin{array}{r} 119 \\ 19 \overline{) 2273} \\ \underline{2261} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 23 = 98 \text{ remainder } 19$$

$$\begin{array}{r} 98 \\ 23 \overline{) 2273} \\ \underline{2254} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 29 = 78 \text{ remainder } 11$$

$$\begin{array}{r} 78 \\ 29 \overline{) 2273} \\ \underline{2262} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2273 \div 31 = 73 \text{ remainder } 10$$

$$\begin{array}{r} 73 \\ 31 \overline{) 2273} \end{array}$$

2263

----

10 ← remainder

$$2273 \div 37 = 61 \text{ remainder } 16$$

$$\begin{array}{r} 61 \\ 37 \overline{) 2273} \\ \underline{2257} \end{array}$$

----

16 ← remainder

$$2273 \div 41 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 41 \overline{) 2273} \\ \underline{2255} \end{array}$$

----

18 ← remainder

$$2273 \div 43 = 52 \text{ remainder } 37$$

$$\begin{array}{r} 52 \\ 43 \overline{) 2273} \\ \underline{2236} \end{array}$$

----

37 ← remainder

$$2273 \div 47 = 48 \text{ remainder } 17$$

$$\begin{array}{r} 48 \\ 47 \overline{) 2273} \\ \underline{2256} \end{array}$$

----

17 ← remainder

## **P<sub>339</sub> 2281**

$$2281 \div 2 = 1140 \text{ remainder } 1$$

$$\begin{array}{r} 1140 \\ 2 \overline{) 2281} \\ \underline{2280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 3 = 760 \text{ remainder } 1$$

$$\begin{array}{r} 760 \\ 3 \overline{) 2281} \\ \underline{2280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 5 = 456 \text{ remainder } 1$$

$$\begin{array}{r} 456 \\ 5 \overline{) 2281} \\ \underline{2280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 7 = 325 \text{ remainder } 6$$

$$\begin{array}{r} 325 \\ 7 \overline{) 2281} \\ \underline{2275} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 11 = 207 \text{ remainder } 4$$

$$\begin{array}{r} 207 \\ 11 \overline{) 2281} \\ \underline{2277} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 13 = 175 \text{ remainder } 6$$

$$\begin{array}{r} 175 \\ 13 \overline{) 2281} \\ \underline{2275} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 17 = 134 \text{ remainder } 3$$

$$\begin{array}{r} 134 \\ 17 \overline{) 2281} \\ \underline{2278} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 19 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 19 \overline{) 2281} \\ \underline{2280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 23 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 23 \overline{) 2281} \\ \underline{2277} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 29 = 78 \text{ remainder } 19$$

$$\begin{array}{r} 78 \\ 29 \overline{) 2281} \\ \underline{2262} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2281 \div 31 = 73 \text{ remainder } 18$$

$$\begin{array}{r} 73 \\ 31 \overline{) 2281} \end{array}$$



2263

----

18 ← remainder

$$2281 \div 37 = 61 \text{ remainder } 24$$

$$\begin{array}{r} 61 \\ 37 \overline{) 2281} \\ \underline{2257} \end{array}$$

----

24 ← remainder

$$2281 \div 41 = 55 \text{ remainder } 26$$

$$\begin{array}{r} 55 \\ 41 \overline{) 2281} \\ \underline{2255} \end{array}$$

----

26 ← remainder

$$2281 \div 43 = 53 \text{ remainder } 2$$

$$\begin{array}{r} 53 \\ 43 \overline{) 2281} \\ \underline{2279} \end{array}$$

----

2 ← remainder

$$2281 \div 47 = 48 \text{ remainder } 25$$

$$\begin{array}{r} 48 \\ 47 \overline{) 2281} \\ \underline{2256} \end{array}$$

----

25 ← remainder

## **P<sub>340</sub> 2287**

$$2287 \div 2 = 1143 \text{ remainder } 1$$

$$\begin{array}{r} 1143 \\ 2 \overline{) 2287} \\ \underline{2286} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 3 = 762 \text{ remainder } 1$$

$$\begin{array}{r} 762 \\ 3 \overline{) 2287} \\ \underline{2286} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 5 = 457 \text{ remainder } 2$$

$$\begin{array}{r} 457 \\ 5 \overline{) 2287} \\ \underline{2285} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 7 = 326 \text{ remainder } 5$$

$$\begin{array}{r} 326 \\ 7 \overline{) 2287} \\ \underline{2282} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 11 = 207 \text{ remainder } 10$$

$$\begin{array}{r} 207 \\ 11 \overline{) 2287} \\ \underline{2277} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 13 = 175 \text{ remainder } 12$$

$$\begin{array}{r} 175 \\ 13 \overline{) 2287} \\ \underline{2275} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 17 = 134 \text{ remainder } 9$$

$$\begin{array}{r} 134 \\ 17 \overline{) 2287} \\ \underline{2278} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 19 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 19 \overline{) 2287} \\ \underline{2280} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 23 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 23 \overline{) 2287} \\ \underline{2277} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 29 = 78 \text{ remainder } 25$$

$$\begin{array}{r} 78 \\ 29 \overline{) 2287} \\ \underline{2262} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$2287 \div 31 = 73 \text{ remainder } 24$$

$$\begin{array}{r} 73 \\ 31 \overline{) 2287} \end{array}$$

2263

----

24 ← remainder

$$2287 \div 37 = 61 \text{ remainder } 30$$

$$\begin{array}{r} 61 \\ 37 \overline{) 2287} \\ \underline{2257} \end{array}$$

----

30 ← remainder

$$2287 \div 41 = 55 \text{ remainder } 32$$

$$\begin{array}{r} 55 \\ 41 \overline{) 2287} \\ \underline{2255} \end{array}$$

----

32 ← remainder

$$2287 \div 43 = 53 \text{ remainder } 8$$

$$\begin{array}{r} 53 \\ 43 \overline{) 2287} \\ \underline{2279} \end{array}$$

----

8 ← remainder

$$2287 \div 47 = 48 \text{ remainder } 31$$

$$\begin{array}{r} 48 \\ 47 \overline{) 2287} \\ \underline{2256} \end{array}$$

----

31 ← remainder

## **P<sub>341</sub> 2293**

$$2293 \div 2 = 1146 \text{ remainder } 1$$

$$\begin{array}{r} 1146 \\ 2 \overline{) 2293} \\ \underline{2292} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 3 = 764 \text{ remainder } 1$$

$$\begin{array}{r} 764 \\ 3 \overline{) 2293} \\ \underline{2292} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 5 = 458 \text{ remainder } 3$$

$$\begin{array}{r} 458 \\ 5 \overline{) 2293} \\ \underline{2290} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 7 = 327 \text{ remainder } 4$$

$$\begin{array}{r} 327 \\ 7 \overline{) 2293} \\ \underline{2289} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 11 = 208 \text{ remainder } 5$$

$$\begin{array}{r} 208 \\ 11 \overline{) 2293} \\ \underline{2288} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 13 = 176 \text{ remainder } 5$$

$$\begin{array}{r} 176 \\ 13 \overline{) 2293} \\ \underline{2288} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 17 = 134 \text{ remainder } 15$$

$$\begin{array}{r} 134 \\ 17 \overline{) 2293} \\ \underline{2278} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 19 = 120 \text{ remainder } 13$$

$$\begin{array}{r} 120 \\ 19 \overline{) 2293} \\ \underline{2280} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 23 = 99 \text{ remainder } 16$$

$$\begin{array}{r} 99 \\ 23 \overline{) 2293} \\ \underline{2277} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 29 = 79 \text{ remainder } 2$$

$$\begin{array}{r} 79 \\ 29 \overline{) 2293} \\ \underline{2291} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2293 \div 31 = 73 \text{ remainder } 30$$

$$\begin{array}{r} 73 \\ 31 \overline{) 2293} \end{array}$$

2263

----

30 ← remainder

$$2293 \div 37 = 61 \text{ remainder } 36$$

$$\begin{array}{r} 61 \\ 37 \overline{) 2293} \\ \underline{2257} \end{array}$$

----

36 ← remainder

$$2293 \div 41 = 55 \text{ remainder } 38$$

$$\begin{array}{r} 55 \\ 41 \overline{) 2293} \\ \underline{2255} \end{array}$$

----

38 ← remainder

$$2293 \div 43 = 53 \text{ remainder } 14$$

$$\begin{array}{r} 53 \\ 43 \overline{) 2293} \\ \underline{2279} \end{array}$$

----

14 ← remainder

$$2293 \div 47 = 48 \text{ remainder } 37$$

$$\begin{array}{r} 48 \\ 47 \overline{) 2293} \\ \underline{2256} \end{array}$$

----

37 ← remainder

## **P<sub>342</sub> 2297**

$$2297 \div 2 = 1148 \text{ remainder } 1$$

$$\begin{array}{r} 1148 \\ 2 \overline{) 2297} \\ \underline{2296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 3 = 765 \text{ remainder } 2$$

$$\begin{array}{r} 765 \\ 3 \overline{) 2297} \\ \underline{2295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 5 = 459 \text{ remainder } 2$$

$$\begin{array}{r} 459 \\ 5 \overline{) 2297} \\ \underline{2295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 7 = 328 \text{ remainder } 1$$

$$\begin{array}{r} 328 \\ 7 \overline{) 2297} \\ \underline{2296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 11 = 208 \text{ remainder } 9$$

$$\begin{array}{r} 208 \\ 11 \overline{) 2297} \\ \underline{2288} \\ 9 \end{array} \leftarrow \text{remainder}$$



$$2297 \div 13 = 176 \text{ remainder } 9$$

$$\begin{array}{r} 176 \\ 13 \overline{) 2297} \\ \underline{2288} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 17 = 135 \text{ remainder } 2$$

$$\begin{array}{r} 135 \\ 17 \overline{) 2297} \\ \underline{2295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 19 = 120 \text{ remainder } 17$$

$$\begin{array}{r} 120 \\ 19 \overline{) 2297} \\ \underline{2280} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 23 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 23 \overline{) 2297} \\ \underline{2277} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 29 = 79 \text{ remainder } 6$$

$$\begin{array}{r} 79 \\ 29 \overline{) 2297} \\ \underline{2291} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2297 \div 31 = 74 \text{ remainder } 3$$

$$\begin{array}{r} 74 \\ 31 \overline{) 2297} \end{array}$$

$$\begin{array}{r} 2294 \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2297 \div 37 = 62 \text{ remainder } 3$$

$$\begin{array}{r} 62 \\ 37 \overline{) 2297} \\ \underline{2294} \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2297 \div 41 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 41 \overline{) 2297} \\ \underline{2296} \\ ---- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2297 \div 43 = 53 \text{ remainder } 18$$

$$\begin{array}{r} 53 \\ 43 \overline{) 2297} \\ \underline{2279} \\ ---- \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2297 \div 47 = 48 \text{ remainder } 41$$

$$\begin{array}{r} 48 \\ 47 \overline{) 2297} \\ \underline{2256} \\ ---- \\ 41 \leftarrow \text{remainder} \end{array}$$

## **P<sub>343</sub> 2309**

$$2309 \div 2 = 1154 \text{ remainder } 1$$

$$\begin{array}{r} 1154 \\ 2 \overline{) 2309} \\ \underline{2308} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 3 = 769 \text{ remainder } 2$$

$$\begin{array}{r} 769 \\ 3 \overline{) 2309} \\ \underline{2307} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 5 = 461 \text{ remainder } 4$$

$$\begin{array}{r} 461 \\ 5 \overline{) 2309} \\ \underline{2305} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 7 = 329 \text{ remainder } 6$$

$$\begin{array}{r} 329 \\ 7 \overline{) 2309} \\ \underline{2303} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 11 = 209 \text{ remainder } 10$$

$$\begin{array}{r} 209 \\ 11 \overline{) 2309} \\ \underline{2299} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 13 = 177 \text{ remainder } 8$$

$$\begin{array}{r} 177 \\ 13 \overline{) 2309} \\ \underline{2301} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 17 = 135 \text{ remainder } 14$$

$$\begin{array}{r} 135 \\ 17 \overline{) 2309} \\ \underline{2295} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 19 = 121 \text{ remainder } 10$$

$$\begin{array}{r} 121 \\ 19 \overline{) 2309} \\ \underline{2299} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 23 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 23 \overline{) 2309} \\ \underline{2300} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 29 = 79 \text{ remainder } 18$$

$$\begin{array}{r} 79 \\ 29 \overline{) 2309} \\ \underline{2291} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2309 \div 31 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 31 \overline{) 2309} \end{array}$$

$$\begin{array}{r} 2294 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 37 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 37 \overline{) 2309} \\ \underline{2294} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 41 = 56 \text{ remainder } 13$$

$$\begin{array}{r} 56 \\ 41 \overline{) 2309} \\ \underline{2296} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 43 = 53 \text{ remainder } 30$$

$$\begin{array}{r} 53 \\ 43 \overline{) 2309} \\ \underline{2279} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 47 = 49 \text{ remainder } 6$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2309} \\ \underline{2303} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

## **P<sub>344</sub> 2311**

$$2311 \div 2 = 1155 \text{ remainder } 1$$

$$\begin{array}{r} 1155 \\ 2 \overline{) 2311} \\ \underline{2310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 3 = 770 \text{ remainder } 1$$

$$\begin{array}{r} 770 \\ 3 \overline{) 2311} \\ \underline{2310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 5 = 462 \text{ remainder } 1$$

$$\begin{array}{r} 462 \\ 5 \overline{) 2311} \\ \underline{2310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 7 = 330 \text{ remainder } 1$$

$$\begin{array}{r} 330 \\ 7 \overline{) 2311} \\ \underline{2310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 11 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 11 \overline{) 2311} \\ \underline{2310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 13 = 177 \text{ remainder } 10$$

$$\begin{array}{r} 177 \\ 13 \overline{) 2311} \\ \underline{2301} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 17 = 135 \text{ remainder } 16$$

$$\begin{array}{r} 135 \\ 17 \overline{) 2311} \\ \underline{2295} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 19 = 121 \text{ remainder } 12$$

$$\begin{array}{r} 121 \\ 19 \overline{) 2311} \\ \underline{2299} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 23 = 100 \text{ remainder } 11$$

$$\begin{array}{r} 100 \\ 23 \overline{) 2311} \\ \underline{2300} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 29 = 79 \text{ remainder } 20$$

$$\begin{array}{r} 79 \\ 29 \overline{) 2311} \\ \underline{2291} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2311 \div 31 = 74 \text{ remainder } 17$$

$$\begin{array}{r} 74 \\ 31 \overline{) 2311} \end{array}$$

$$\begin{array}{r} 2294 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 37 = 62 \text{ remainder } 17$$

$$\begin{array}{r} 62 \\ 37 \mid \overline{2311} \\ \underline{2294} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 41 = 56 \text{ remainder } 15$$

$$\begin{array}{r} 56 \\ 41 \mid \overline{2311} \\ \underline{2296} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 43 = 53 \text{ remainder } 32$$

$$\begin{array}{r} 53 \\ 43 \mid \overline{2311} \\ \underline{2279} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 47 = 49 \text{ remainder } 8$$

$$\begin{array}{r} 49 \\ 47 \mid \overline{2311} \\ \underline{2303} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$



## **P<sub>345</sub> 2333**

$$2333 \div 2 = 1166 \text{ remainder } 1$$

$$\begin{array}{r} 1166 \\ 2 \overline{) 2333} \\ \underline{2332} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 3 = 777 \text{ remainder } 2$$

$$\begin{array}{r} 777 \\ 3 \overline{) 2333} \\ \underline{2331} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 5 = 466 \text{ remainder } 3$$

$$\begin{array}{r} 466 \\ 5 \overline{) 2333} \\ \underline{2330} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 7 = 333 \text{ remainder } 2$$

$$\begin{array}{r} 333 \\ 7 \overline{) 2333} \\ \underline{2331} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 11 = 212 \text{ remainder } 1$$

$$\begin{array}{r} 212 \\ 11 \overline{) 2333} \\ \underline{2332} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 13 = 179 \text{ remainder } 6$$

$$\begin{array}{r} 179 \\ 13 \overline{) 2333} \\ \underline{2327} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 17 = 137 \text{ remainder } 4$$

$$\begin{array}{r} 137 \\ 17 \overline{) 2333} \\ \underline{2329} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 19 = 122 \text{ remainder } 15$$

$$\begin{array}{r} 122 \\ 19 \overline{) 2333} \\ \underline{2318} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 23 = 101 \text{ remainder } 10$$

$$\begin{array}{r} 101 \\ 23 \overline{) 2333} \\ \underline{2323} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 29 = 80 \text{ remainder } 13$$

$$\begin{array}{r} 80 \\ 29 \overline{) 2333} \\ \underline{2320} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2333 \div 31 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 31 \overline{) 2333} \end{array}$$

2325

----

8 ← remainder

$$2333 \div 37 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 37 \overline{) 2333} \\ \underline{2331} \end{array}$$

----

2 ← remainder

$$2333 \div 41 = 56 \text{ remainder } 37$$

$$\begin{array}{r} 56 \\ 41 \overline{) 2333} \\ \underline{2296} \end{array}$$

----

37 ← remainder

$$2333 \div 43 = 54 \text{ remainder } 11$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2333} \\ \underline{2322} \end{array}$$

----

11 ← remainder

$$2333 \div 47 = 49 \text{ remainder } 30$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2333} \\ \underline{2303} \end{array}$$

----

30 ← remainder

## **P<sub>346</sub> 2339**

$$2339 \div 2 = 1169 \text{ remainder } 1$$

$$\begin{array}{r} 1169 \\ 2 \overline{) 2339} \\ \underline{2338} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 3 = 779 \text{ remainder } 2$$

$$\begin{array}{r} 779 \\ 3 \overline{) 2339} \\ \underline{2337} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 5 = 467 \text{ remainder } 4$$

$$\begin{array}{r} 467 \\ 5 \overline{) 2339} \\ \underline{2335} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 7 = 334 \text{ remainder } 1$$

$$\begin{array}{r} 334 \\ 7 \overline{) 2339} \\ \underline{2338} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 11 = 212 \text{ remainder } 7$$

$$\begin{array}{r} 212 \\ 11 \overline{) 2339} \\ \underline{2332} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 13 = 179 \text{ remainder } 12$$

$$\begin{array}{r} 179 \\ 13 \overline{) 2339} \\ \underline{2327} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 17 = 137 \text{ remainder } 10$$

$$\begin{array}{r} 137 \\ 17 \overline{) 2339} \\ \underline{2329} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 19 = 123 \text{ remainder } 2$$

$$\begin{array}{r} 123 \\ 19 \overline{) 2339} \\ \underline{2337} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 23 = 101 \text{ remainder } 16$$

$$\begin{array}{r} 101 \\ 23 \overline{) 2339} \\ \underline{2323} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 29 = 80 \text{ remainder } 19$$

$$\begin{array}{r} 80 \\ 29 \overline{) 2339} \\ \underline{2320} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2339 \div 31 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 31 \overline{) 2339} \end{array}$$

2325

----

14 ← remainder

$$2339 \div 37 = 63 \text{ remainder } 8$$

$$\begin{array}{r} 63 \\ 37 \overline{) 2339} \\ \underline{2331} \end{array}$$

----

8 ← remainder

$$2339 \div 41 = 57 \text{ remainder } 2$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2339} \\ \underline{2337} \end{array}$$

----

2 ← remainder

$$2339 \div 43 = 54 \text{ remainder } 17$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2339} \\ \underline{2322} \end{array}$$

----

17 ← remainder

$$2339 \div 47 = 49 \text{ remainder } 36$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2339} \\ \underline{2303} \end{array}$$

----

36 ← remainder

## **P<sub>347</sub> 2341**

$$2341 \div 2 = 1170 \text{ remainder } 1$$

$$\begin{array}{r} 1170 \\ 2 \overline{) 2341} \\ \underline{2340} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 3 = 780 \text{ remainder } 1$$

$$\begin{array}{r} 780 \\ 3 \overline{) 2341} \\ \underline{2340} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 5 = 468 \text{ remainder } 1$$

$$\begin{array}{r} 468 \\ 5 \overline{) 2341} \\ \underline{2340} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 7 = 334 \text{ remainder } 3$$

$$\begin{array}{r} 334 \\ 7 \overline{) 2341} \\ \underline{2338} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 11 = 212 \text{ remainder } 9$$

$$\begin{array}{r} 212 \\ 11 \overline{) 2341} \\ \underline{2332} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 13 = 180 \text{ remainder } 1$$

$$\begin{array}{r} 180 \\ 13 \overline{) 2341} \\ \underline{2340} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 17 = 137 \text{ remainder } 12$$

$$\begin{array}{r} 137 \\ 17 \overline{) 2341} \\ \underline{2329} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 19 = 123 \text{ remainder } 4$$

$$\begin{array}{r} 123 \\ 19 \overline{) 2341} \\ \underline{2337} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 23 = 101 \text{ remainder } 18$$

$$\begin{array}{r} 101 \\ 23 \overline{) 2341} \\ \underline{2323} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 29 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 29 \overline{) 2341} \\ \underline{2320} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2341 \div 31 = 75 \text{ remainder } 16$$

$$\begin{array}{r} 75 \\ 31 \overline{) 2341} \end{array}$$



$$\begin{array}{r} 2325 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 37 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 37 \overline{) 2341} \\ \underline{2331} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 41 = 57 \text{ remainder } 4$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2341} \\ \underline{2337} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 43 = 54 \text{ remainder } 19$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2341} \\ \underline{2322} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 47 = 49 \text{ remainder } 38$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2341} \\ \underline{2303} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

## **P<sub>348</sub> 2347**

$$2347 \div 2 = 1173 \text{ remainder } 1$$

$$\begin{array}{r} 1173 \\ 2 \overline{) 2347} \\ \underline{2346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 3 = 782 \text{ remainder } 1$$

$$\begin{array}{r} 782 \\ 3 \overline{) 2347} \\ \underline{2346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 5 = 469 \text{ remainder } 2$$

$$\begin{array}{r} 469 \\ 5 \overline{) 2347} \\ \underline{2345} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 7 = 335 \text{ remainder } 2$$

$$\begin{array}{r} 335 \\ 7 \overline{) 2347} \\ \underline{2345} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 11 = 213 \text{ remainder } 4$$

$$\begin{array}{r} 213 \\ 11 \overline{) 2347} \\ \underline{2343} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 13 = 180 \text{ remainder } 7$$

$$\begin{array}{r} 180 \\ 13 \overline{) 2347} \\ \underline{2340} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 17 = 138 \text{ remainder } 1$$

$$\begin{array}{r} 138 \\ 17 \overline{) 2347} \\ \underline{2346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 19 = 123 \text{ remainder } 10$$

$$\begin{array}{r} 123 \\ 19 \overline{) 2347} \\ \underline{2337} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 23 = 102 \text{ remainder } 1$$

$$\begin{array}{r} 102 \\ 23 \overline{) 2347} \\ \underline{2346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 29 = 80 \text{ remainder } 27$$

$$\begin{array}{r} 80 \\ 29 \overline{) 2347} \\ \underline{2320} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$2347 \div 31 = 75 \text{ remainder } 22$$

$$\begin{array}{r} 75 \\ 31 \overline{) 2347} \end{array}$$

$$\begin{array}{r} 2325 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 37 = 63 \text{ remainder } 16$$

$$\begin{array}{r} 63 \\ 37 \overline{) 2347} \\ \underline{2331} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 41 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2347} \\ \underline{2337} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 43 = 54 \text{ remainder } 25$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2347} \\ \underline{2322} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 47 = 49 \text{ remainder } 44$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2347} \\ \underline{2303} \\ \text{----} \\ 44 \leftarrow \text{remainder} \end{array}$$

## **P<sub>349</sub> 2351**

$$2351 \div 2 = 1175 \text{ remainder } 1$$

$$\begin{array}{r} 1175 \\ 2 \overline{) 2351} \\ \underline{2350} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 3 = 783 \text{ remainder } 2$$

$$\begin{array}{r} 783 \\ 3 \overline{) 2351} \\ \underline{2349} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 5 = 470 \text{ remainder } 1$$

$$\begin{array}{r} 470 \\ 5 \overline{) 2351} \\ \underline{2350} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 7 = 335 \text{ remainder } 6$$

$$\begin{array}{r} 335 \\ 7 \overline{) 2351} \\ \underline{2345} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 11 = 213 \text{ remainder } 8$$

$$\begin{array}{r} 213 \\ 11 \overline{) 2351} \\ \underline{2343} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 13 = 180 \text{ remainder } 11$$

$$\begin{array}{r} 180 \\ 13 \overline{) 2351} \\ \underline{2340} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 17 = 138 \text{ remainder } 5$$

$$\begin{array}{r} 138 \\ 17 \overline{) 2351} \\ \underline{2346} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 19 = 123 \text{ remainder } 14$$

$$\begin{array}{r} 123 \\ 19 \overline{) 2351} \\ \underline{2337} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 23 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 23 \overline{) 2351} \\ \underline{2346} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 29 = 81 \text{ remainder } 2$$

$$\begin{array}{r} 81 \\ 29 \overline{) 2351} \\ \underline{2349} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2351 \div 31 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 31 \overline{) 2351} \end{array}$$

$$\begin{array}{r} 2325 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 37 = 63 \text{ remainder } 20$$

$$\begin{array}{r} 63 \\ 37 \overline{) 2351} \\ \underline{2331} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 41 = 57 \text{ remainder } 14$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2351} \\ \underline{2337} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 43 = 54 \text{ remainder } 29$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2351} \\ \underline{2322} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 47 = 50 \text{ remainder } 1$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2351} \\ \underline{2350} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

## **P<sub>350</sub> 2357**

$$2357 \div 2 = 1178 \text{ remainder } 1$$

$$\begin{array}{r} 1178 \\ 2 \overline{) 2357} \\ \underline{2356} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 3 = 785 \text{ remainder } 2$$

$$\begin{array}{r} 785 \\ 3 \overline{) 2357} \\ \underline{2355} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 5 = 471 \text{ remainder } 2$$

$$\begin{array}{r} 471 \\ 5 \overline{) 2357} \\ \underline{2355} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 7 = 336 \text{ remainder } 5$$

$$\begin{array}{r} 336 \\ 7 \overline{) 2357} \\ \underline{2352} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 11 = 214 \text{ remainder } 3$$

$$\begin{array}{r} 214 \\ 11 \overline{) 2357} \\ \underline{2354} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$2357 \div 13 = 181 \text{ remainder } 4$$

$$\begin{array}{r} 181 \\ 13 \overline{) 2357} \\ \underline{2353} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 17 = 138 \text{ remainder } 11$$

$$\begin{array}{r} 138 \\ 17 \overline{) 2357} \\ \underline{2346} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 19 = 124 \text{ remainder } 1$$

$$\begin{array}{r} 124 \\ 19 \overline{) 2357} \\ \underline{2356} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 23 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 23 \overline{) 2357} \\ \underline{2346} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 29 = 81 \text{ remainder } 8$$

$$\begin{array}{r} 81 \\ 29 \overline{) 2357} \\ \underline{2349} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 31 = 76 \text{ remainder } 1$$

$$\begin{array}{r} 76 \\ 31 \overline{) 2357} \end{array}$$

2356

----

1 ← remainder

$2357 \div 37 = 63 \text{ remainder } 26$

63  
37 |  $\overline{2357}$   
2331

----

26 ← remainder

$2357 \div 41 = 57 \text{ remainder } 20$

57  
41 |  $\overline{2357}$   
2337

----

20 ← remainder

$2357 \div 43 = 54 \text{ remainder } 35$

54  
43 |  $\overline{2357}$   
2322

----

35 ← remainder

$2357 \div 47 = 50 \text{ remainder } 7$

50  
47 |  $\overline{2357}$   
2350

----

7 ← remainder

## **P<sub>351</sub> 2371**

$$2371 \div 2 = 1185 \text{ remainder } 1$$

$$\begin{array}{r} 1185 \\ 2 \overline{) 2371} \\ \underline{2370} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 3 = 790 \text{ remainder } 1$$

$$\begin{array}{r} 790 \\ 3 \overline{) 2371} \\ \underline{2370} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 5 = 474 \text{ remainder } 1$$

$$\begin{array}{r} 474 \\ 5 \overline{) 2371} \\ \underline{2370} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 7 = 338 \text{ remainder } 5$$

$$\begin{array}{r} 338 \\ 7 \overline{) 2371} \\ \underline{2366} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 11 = 215 \text{ remainder } 6$$

$$\begin{array}{r} 215 \\ 11 \overline{) 2371} \\ \underline{2365} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 13 = 182 \text{ remainder } 5$$

$$\begin{array}{r} 182 \\ 13 \overline{) 2371} \\ \underline{2366} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 17 = 139 \text{ remainder } 8$$

$$\begin{array}{r} 139 \\ 17 \overline{) 2371} \\ \underline{2363} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 19 = 124 \text{ remainder } 15$$

$$\begin{array}{r} 124 \\ 19 \overline{) 2371} \\ \underline{2356} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 23 = 103 \text{ remainder } 2$$

$$\begin{array}{r} 103 \\ 23 \overline{) 2371} \\ \underline{2369} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 29 = 81 \text{ remainder } 22$$

$$\begin{array}{r} 81 \\ 29 \overline{) 2371} \\ \underline{2349} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 31 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 31 \overline{) 2371} \end{array}$$

$$\begin{array}{r} 2356 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2371 \div 37 = 64 \text{ remainder } 3$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2371} \\ \underline{2368} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2371 \div 41 = 57 \text{ remainder } 34$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2371} \\ \underline{2337} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2371 \div 43 = 55 \text{ remainder } 6$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2371} \\ \underline{2365} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2371 \div 47 = 50 \text{ remainder } 21$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2371} \\ \underline{2350} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

## **P<sub>352</sub> 2377**

$$2377 \div 2 = 1188 \text{ remainder } 1$$

$$\begin{array}{r} 1188 \\ 2 \overline{) 2377} \\ \underline{2376} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 3 = 792 \text{ remainder } 1$$

$$\begin{array}{r} 792 \\ 3 \overline{) 2377} \\ \underline{2376} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 5 = 475 \text{ remainder } 2$$

$$\begin{array}{r} 475 \\ 5 \overline{) 2377} \\ \underline{2375} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 7 = 339 \text{ remainder } 4$$

$$\begin{array}{r} 339 \\ 7 \overline{) 2377} \\ \underline{2373} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 11 = 216 \text{ remainder } 1$$

$$\begin{array}{r} 216 \\ 11 \overline{) 2377} \\ \underline{2376} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 13 = 182 \text{ remainder } 11$$

$$\begin{array}{r} 182 \\ 13 \overline{) 2377} \\ \underline{2366} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 17 = 139 \text{ remainder } 14$$

$$\begin{array}{r} 139 \\ 17 \overline{) 2377} \\ \underline{2363} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 19 = 125 \text{ remainder } 2$$

$$\begin{array}{r} 125 \\ 19 \overline{) 2377} \\ \underline{2375} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 23 = 103 \text{ remainder } 8$$

$$\begin{array}{r} 103 \\ 23 \overline{) 2377} \\ \underline{2369} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 29 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 29 \overline{) 2377} \\ \underline{2349} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 31 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 31 \overline{) 2377} \end{array}$$

$$\begin{array}{r} 2356 \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2377 \div 37 = 64 \text{ remainder } 9$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2377} \\ \underline{2368} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2377 \div 41 = 57 \text{ remainder } 40$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2377} \\ \underline{2337} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$2377 \div 43 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2377} \\ \underline{2365} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2377 \div 47 = 50 \text{ remainder } 27$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2377} \\ \underline{2350} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$



## **P<sub>353</sub> 2381**

$$2381 \div 2 = 1190 \text{ remainder } 1$$

$$\begin{array}{r} 1190 \\ 2 \overline{) 2381} \\ \underline{2380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 3 = 793 \text{ remainder } 2$$

$$\begin{array}{r} 793 \\ 3 \overline{) 2381} \\ \underline{2379} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 5 = 476 \text{ remainder } 1$$

$$\begin{array}{r} 476 \\ 5 \overline{) 2381} \\ \underline{2380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 7 = 340 \text{ remainder } 1$$

$$\begin{array}{r} 340 \\ 7 \overline{) 2381} \\ \underline{2380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 11 = 216 \text{ remainder } 5$$

$$\begin{array}{r} 216 \\ 11 \overline{) 2381} \\ \underline{2376} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 13 = 183 \text{ remainder } 2$$

$$\begin{array}{r} 183 \\ 13 \overline{) 2381} \\ \underline{2379} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 17 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 17 \overline{) 2381} \\ \underline{2380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 19 = 125 \text{ remainder } 6$$

$$\begin{array}{r} 125 \\ 19 \overline{) 2381} \\ \underline{2375} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 23 = 103 \text{ remainder } 12$$

$$\begin{array}{r} 103 \\ 23 \overline{) 2381} \\ \underline{2369} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 29 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 29 \overline{) 2381} \\ \underline{2378} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2381 \div 31 = 76 \text{ remainder } 25$$

$$\begin{array}{r} 76 \\ 31 \overline{) 2381} \end{array}$$

$$\begin{array}{r} 2356 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2381 \div 37 = 64 \text{ remainder } 13$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2381} \\ \underline{2368} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2381 \div 41 = 58 \text{ remainder } 3$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2381} \\ \underline{2378} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2381 \div 43 = 55 \text{ remainder } 16$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2381} \\ \underline{2365} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2381 \div 47 = 50 \text{ remainder } 31$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2381} \\ \underline{2350} \\ 31 \leftarrow \text{remainder} \end{array}$$

## **P<sub>354</sub> 2383**

$$2383 \div 2 = 1191 \text{ remainder } 1$$

$$\begin{array}{r} 1191 \\ 2 \overline{) 2383} \\ \underline{2382} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 3 = 794 \text{ remainder } 1$$

$$\begin{array}{r} 794 \\ 3 \overline{) 2383} \\ \underline{2382} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 5 = 476 \text{ remainder } 3$$

$$\begin{array}{r} 476 \\ 5 \overline{) 2383} \\ \underline{2380} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 7 = 340 \text{ remainder } 3$$

$$\begin{array}{r} 340 \\ 7 \overline{) 2383} \\ \underline{2380} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 11 = 216 \text{ remainder } 7$$

$$\begin{array}{r} 216 \\ 11 \overline{) 2383} \\ \underline{2376} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 13 = 183 \text{ remainder } 4$$

$$\begin{array}{r} 183 \\ 13 \overline{) 2383} \\ \underline{2379} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 17 = 140 \text{ remainder } 3$$

$$\begin{array}{r} 140 \\ 17 \overline{) 2383} \\ \underline{2380} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 19 = 125 \text{ remainder } 8$$

$$\begin{array}{r} 125 \\ 19 \overline{) 2383} \\ \underline{2375} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 23 = 103 \text{ remainder } 14$$

$$\begin{array}{r} 103 \\ 23 \overline{) 2383} \\ \underline{2369} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 29 = 82 \text{ remainder } 5$$

$$\begin{array}{r} 82 \\ 29 \overline{) 2383} \\ \underline{2378} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2383 \div 31 = 76 \text{ remainder } 27$$

$$\begin{array}{r} 76 \\ 31 \overline{) 2383} \end{array}$$

$$\begin{array}{r} 2356 \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2383 \div 37 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2383} \\ \underline{2368} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2383 \div 41 = 58 \text{ remainder } 5$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2383} \\ \underline{2378} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2383 \div 43 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2383} \\ \underline{2365} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2383 \div 47 = 50 \text{ remainder } 33$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2383} \\ \underline{2350} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

## **P<sub>355</sub> 2389**

$$2389 \div 2 = 1194 \text{ remainder } 1$$

$$\begin{array}{r} 1194 \\ 2 \overline{) 2389} \\ \underline{2388} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 3 = 796 \text{ remainder } 1$$

$$\begin{array}{r} 796 \\ 3 \overline{) 2389} \\ \underline{2388} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 5 = 477 \text{ remainder } 4$$

$$\begin{array}{r} 477 \\ 5 \overline{) 2389} \\ \underline{2385} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 7 = 341 \text{ remainder } 2$$

$$\begin{array}{r} 341 \\ 7 \overline{) 2389} \\ \underline{2387} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 11 = 217 \text{ remainder } 2$$

$$\begin{array}{r} 217 \\ 11 \overline{) 2389} \\ \underline{2387} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 13 = 183 \text{ remainder } 10$$

$$\begin{array}{r} 183 \\ 13 \overline{) 2389} \\ \underline{2379} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 17 = 140 \text{ remainder } 9$$

$$\begin{array}{r} 140 \\ 17 \overline{) 2389} \\ \underline{2380} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 19 = 125 \text{ remainder } 14$$

$$\begin{array}{r} 125 \\ 19 \overline{) 2389} \\ \underline{2375} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 23 = 103 \text{ remainder } 20$$

$$\begin{array}{r} 103 \\ 23 \overline{) 2389} \\ \underline{2369} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 29 = 82 \text{ remainder } 11$$

$$\begin{array}{r} 82 \\ 29 \overline{) 2389} \\ \underline{2378} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2389 \div 31 = 77 \text{ remainder } 2$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2389} \end{array}$$



$$\begin{array}{r} 2387 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 37 = 64 \text{ remainder } 21$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2389} \\ \underline{2368} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 41 = 58 \text{ remainder } 11$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2389} \\ \underline{2378} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 43 = 55 \text{ remainder } 24$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2389} \\ \underline{2365} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 47 = 50 \text{ remainder } 39$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2389} \\ \underline{2350} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

## **P<sub>356</sub> 2393**

$$2393 \div 2 = 1196 \text{ remainder } 1$$

$$\begin{array}{r} 1196 \\ 2 \overline{) 2393} \\ \underline{2392} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 3 = 797 \text{ remainder } 2$$

$$\begin{array}{r} 797 \\ 3 \overline{) 2393} \\ \underline{2391} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 5 = 478 \text{ remainder } 3$$

$$\begin{array}{r} 478 \\ 5 \overline{) 2393} \\ \underline{2390} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 7 = 341 \text{ remainder } 6$$

$$\begin{array}{r} 341 \\ 7 \overline{) 2393} \\ \underline{2387} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 11 = 217 \text{ remainder } 6$$

$$\begin{array}{r} 217 \\ 11 \overline{) 2393} \\ \underline{2387} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 13 = 184 \text{ remainder } 1$$

$$\begin{array}{r} 184 \\ 13 \overline{) 2393} \\ \underline{2392} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 17 = 140 \text{ remainder } 13$$

$$\begin{array}{r} 140 \\ 17 \overline{) 2393} \\ \underline{2380} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 19 = 125 \text{ remainder } 18$$

$$\begin{array}{r} 125 \\ 19 \overline{) 2393} \\ \underline{2375} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 23 = 104 \text{ remainder } 1$$

$$\begin{array}{r} 104 \\ 23 \overline{) 2393} \\ \underline{2392} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 29 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 29 \overline{) 2393} \\ \underline{2378} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 31 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2393} \end{array}$$

2387

----

6 ← remainder

$2393 \div 37 = 64 \text{ remainder } 25$

64  
37 |  $\overline{2393}$   
2368

----

25 ← remainder

$2393 \div 41 = 58 \text{ remainder } 15$

58  
41 |  $\overline{2393}$   
2378

----

15 ← remainder

$2393 \div 43 = 55 \text{ remainder } 28$

55  
43 |  $\overline{2393}$   
2365

----

28 ← remainder

$2393 \div 47 = 50 \text{ remainder } 43$

50  
47 |  $\overline{2393}$   
2350

----

43 ← remainder

## **P<sub>357</sub> 2399**

$$2399 \div 2 = 1199 \text{ remainder } 1$$

$$\begin{array}{r} 1199 \\ 2 \overline{) 2399} \\ \underline{2398} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 3 = 799 \text{ remainder } 2$$

$$\begin{array}{r} 799 \\ 3 \overline{) 2399} \\ \underline{2397} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 5 = 479 \text{ remainder } 4$$

$$\begin{array}{r} 479 \\ 5 \overline{) 2399} \\ \underline{2395} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 7 = 342 \text{ remainder } 5$$

$$\begin{array}{r} 342 \\ 7 \overline{) 2399} \\ \underline{2394} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 11 = 218 \text{ remainder } 1$$

$$\begin{array}{r} 218 \\ 11 \overline{) 2399} \\ \underline{2398} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 13 = 184 \text{ remainder } 7$$

$$\begin{array}{r} 184 \\ 13 \overline{) 2399} \\ \underline{2392} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 17 = 141 \text{ remainder } 2$$

$$\begin{array}{r} 141 \\ 17 \overline{) 2399} \\ \underline{2397} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 19 = 126 \text{ remainder } 5$$

$$\begin{array}{r} 126 \\ 19 \overline{) 2399} \\ \underline{2394} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 23 = 104 \text{ remainder } 7$$

$$\begin{array}{r} 104 \\ 23 \overline{) 2399} \\ \underline{2392} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 29 = 82 \text{ remainder } 21$$

$$\begin{array}{r} 82 \\ 29 \overline{) 2399} \\ \underline{2378} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 31 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2399} \end{array}$$

$$\begin{array}{r} 2387 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2399 \div 37 = 64 \text{ remainder } 31$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2399} \\ \underline{2368} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2399 \div 41 = 58 \text{ remainder } 21$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2399} \\ \underline{2378} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2399 \div 43 = 55 \text{ remainder } 34$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2399} \\ \underline{2365} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2399 \div 47 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2399} \\ \underline{2397} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

## **P<sub>358</sub> 2411**

$$2411 \div 2 = 1205 \text{ remainder } 1$$

$$\begin{array}{r} 1205 \\ 2 \overline{) 2411} \\ \underline{2410} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 3 = 803 \text{ remainder } 2$$

$$\begin{array}{r} 803 \\ 3 \overline{) 2411} \\ \underline{2409} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 5 = 482 \text{ remainder } 1$$

$$\begin{array}{r} 482 \\ 5 \overline{) 2411} \\ \underline{2410} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 7 = 344 \text{ remainder } 3$$

$$\begin{array}{r} 344 \\ 7 \overline{) 2411} \\ \underline{2408} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 11 = 219 \text{ remainder } 2$$

$$\begin{array}{r} 219 \\ 11 \overline{) 2411} \\ \underline{2409} \\ 2 \end{array} \leftarrow \text{remainder}$$



$$2411 \div 13 = 185 \text{ remainder } 6$$

$$\begin{array}{r} 185 \\ 13 \overline{) 2411} \\ \underline{2405} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 17 = 141 \text{ remainder } 14$$

$$\begin{array}{r} 141 \\ 17 \overline{) 2411} \\ \underline{2397} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 19 = 126 \text{ remainder } 17$$

$$\begin{array}{r} 126 \\ 19 \overline{) 2411} \\ \underline{2394} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 23 = 104 \text{ remainder } 19$$

$$\begin{array}{r} 104 \\ 23 \overline{) 2411} \\ \underline{2392} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 29 = 83 \text{ remainder } 4$$

$$\begin{array}{r} 83 \\ 29 \overline{) 2411} \\ \underline{2407} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 31 = 77 \text{ remainder } 24$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2411} \end{array}$$

2387

----

24 ← remainder

$2411 \div 37 = 65 \text{ remainder } 6$

65  
37 |  $\overline{2411}$   
2405

----

6 ← remainder

$2411 \div 41 = 58 \text{ remainder } 33$

58  
41 |  $\overline{2411}$   
2378

----

33 ← remainder

$2411 \div 43 = 56 \text{ remainder } 3$

56  
43 |  $\overline{2411}$   
2408

----

3 ← remainder

$2411 \div 47 = 51 \text{ remainder } 14$

51  
47 |  $\overline{2411}$   
2397

----

14 ← remainder

## **P<sub>359</sub> 2417**

$$2417 \div 2 = 1208 \text{ remainder } 1$$

$$\begin{array}{r} 1208 \\ 2 \overline{) 2417} \\ \underline{2416} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 3 = 805 \text{ remainder } 2$$

$$\begin{array}{r} 805 \\ 3 \overline{) 2417} \\ \underline{2415} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 5 = 483 \text{ remainder } 2$$

$$\begin{array}{r} 483 \\ 5 \overline{) 2417} \\ \underline{2415} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 7 = 345 \text{ remainder } 2$$

$$\begin{array}{r} 345 \\ 7 \overline{) 2417} \\ \underline{2415} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 11 = 219 \text{ remainder } 8$$

$$\begin{array}{r} 219 \\ 11 \overline{) 2417} \\ \underline{2409} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 13 = 185 \text{ remainder } 12$$

$$\begin{array}{r} 185 \\ 13 \overline{) 2417} \\ \underline{2405} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 17 = 142 \text{ remainder } 3$$

$$\begin{array}{r} 142 \\ 17 \overline{) 2417} \\ \underline{2414} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 19 = 127 \text{ remainder } 4$$

$$\begin{array}{r} 127 \\ 19 \overline{) 2417} \\ \underline{2413} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 23 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 23 \overline{) 2417} \\ \underline{2415} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 29 = 83 \text{ remainder } 10$$

$$\begin{array}{r} 83 \\ 29 \overline{) 2417} \\ \underline{2407} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2417 \div 31 = 77 \text{ remainder } 30$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2417} \end{array}$$

2387

----

30 ← remainder

$$2417 \div 37 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 37 \overline{) 2417} \\ \underline{2405} \end{array}$$

----

12 ← remainder

$$2417 \div 41 = 58 \text{ remainder } 39$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2417} \\ \underline{2378} \end{array}$$

----

39 ← remainder

$$2417 \div 43 = 56 \text{ remainder } 9$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2417} \\ \underline{2408} \end{array}$$

----

9 ← remainder

$$2417 \div 47 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2417} \\ \underline{2397} \end{array}$$

----

20 ← remainder

## **P<sub>360</sub> 2423**

$$2423 \div 2 = 1211 \text{ remainder } 1$$

$$\begin{array}{r} 1211 \\ 2 \overline{) 2423} \\ \underline{2422} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 3 = 807 \text{ remainder } 2$$

$$\begin{array}{r} 807 \\ 3 \overline{) 2423} \\ \underline{2421} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 5 = 484 \text{ remainder } 3$$

$$\begin{array}{r} 484 \\ 5 \overline{) 2423} \\ \underline{2420} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 7 = 346 \text{ remainder } 1$$

$$\begin{array}{r} 346 \\ 7 \overline{) 2423} \\ \underline{2422} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 11 = 220 \text{ remainder } 3$$

$$\begin{array}{r} 220 \\ 11 \overline{) 2423} \\ \underline{2420} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 13 = 186 \text{ remainder } 5$$

$$\begin{array}{r} 186 \\ 13 \overline{) 2423} \\ \underline{2418} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 17 = 142 \text{ remainder } 9$$

$$\begin{array}{r} 142 \\ 17 \overline{) 2423} \\ \underline{2414} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 19 = 127 \text{ remainder } 10$$

$$\begin{array}{r} 127 \\ 19 \overline{) 2423} \\ \underline{2413} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 23 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 23 \overline{) 2423} \\ \underline{2415} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 29 = 83 \text{ remainder } 16$$

$$\begin{array}{r} 83 \\ 29 \overline{) 2423} \\ \underline{2407} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2423 \div 31 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 31 \overline{) 2423} \end{array}$$

2418

----

5 ← remainder

$2423 \div 37 = 65 \text{ remainder } 18$

37 |  $\overline{2423}$   
2405

----

18 ← remainder

$2423 \div 41 = 59 \text{ remainder } 4$

41 |  $\overline{2423}$   
2419

----

4 ← remainder

$2423 \div 43 = 56 \text{ remainder } 15$

43 |  $\overline{2423}$   
2408

----

15 ← remainder

$2423 \div 47 = 51 \text{ remainder } 26$

47 |  $\overline{2423}$   
2397

----

26 ← remainder



## **P<sub>361</sub> 2437**

$$2437 \div 2 = 1218 \text{ remainder } 1$$

$$\begin{array}{r} 1218 \\ 2 \overline{) 2437} \\ \underline{2436} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2437 \div 3 = 812 \text{ remainder } 1$$

$$\begin{array}{r} 812 \\ 3 \overline{) 2437} \\ \underline{2436} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2437 \div 5 = 487 \text{ remainder } 2$$

$$\begin{array}{r} 487 \\ 5 \overline{) 2437} \\ \underline{2435} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2437 \div 7 = 348 \text{ remainder } 1$$

$$\begin{array}{r} 348 \\ 7 \overline{) 2437} \\ \underline{2436} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2437 \div 11 = 221 \text{ remainder } 6$$

$$\begin{array}{r} 221 \\ 11 \overline{) 2437} \\ \underline{2431} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2437 \div 13 = 187 \text{ remainder } 6$$

$$\begin{array}{r} 187 \\ 13 \overline{) 2437} \\ \underline{2431} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2437 \div 17 = 143 \text{ remainder } 6$$

$$\begin{array}{r} 143 \\ 17 \overline{) 2437} \\ \underline{2431} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2437 \div 19 = 128 \text{ remainder } 5$$

$$\begin{array}{r} 128 \\ 19 \overline{) 2437} \\ \underline{2432} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2437 \div 23 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 23 \overline{) 2437} \\ \underline{2415} \phantom{00} \\ 22 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2437 \div 29 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 29 \overline{) 2437} \\ \underline{2436} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2437 \div 31 = 78 \text{ remainder } 19$$

$$\begin{array}{r} 78 \\ 31 \overline{) 2437} \end{array}$$

$$\begin{array}{r} 2418 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2437 \div 37 = 65 \text{ remainder } 32$$

$$\begin{array}{r} 65 \\ 37 \overline{) 2437} \\ \underline{2405} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$2437 \div 41 = 59 \text{ remainder } 18$$

$$\begin{array}{r} 59 \\ 41 \overline{) 2437} \\ \underline{2419} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2437 \div 43 = 56 \text{ remainder } 29$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2437} \\ \underline{2408} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2437 \div 47 = 51 \text{ remainder } 40$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2437} \\ \underline{2397} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

## **P<sub>362</sub> 2441**

$$2441 \div 2 = 1220 \text{ remainder } 1$$

$$\begin{array}{r} 1220 \\ 2 \overline{) 2441} \\ \underline{2440} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 3 = 813 \text{ remainder } 2$$

$$\begin{array}{r} 813 \\ 3 \overline{) 2441} \\ \underline{2439} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 5 = 488 \text{ remainder } 1$$

$$\begin{array}{r} 488 \\ 5 \overline{) 2441} \\ \underline{2440} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 7 = 348 \text{ remainder } 5$$

$$\begin{array}{r} 348 \\ 7 \overline{) 2441} \\ \underline{2436} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 11 = 221 \text{ remainder } 10$$

$$\begin{array}{r} 221 \\ 11 \overline{) 2441} \\ \underline{2431} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 13 = 187 \text{ remainder } 10$$

$$\begin{array}{r} 187 \\ 13 \overline{) 2441} \\ \underline{2431} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 17 = 143 \text{ remainder } 10$$

$$\begin{array}{r} 143 \\ 17 \overline{) 2441} \\ \underline{2431} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 19 = 128 \text{ remainder } 9$$

$$\begin{array}{r} 128 \\ 19 \overline{) 2441} \\ \underline{2432} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 23 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 23 \overline{) 2441} \\ \underline{2438} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 29 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 29 \overline{) 2441} \\ \underline{2436} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2441 \div 31 = 78 \text{ remainder } 23$$

$$\begin{array}{r} 78 \\ 31 \overline{) 2441} \end{array}$$

$$\begin{array}{r} 2418 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 37 = 65 \text{ remainder } 36$$

$$\begin{array}{r} 65 \\ 37 \overline{) 2441} \\ \underline{2405} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 41 = 59 \text{ remainder } 22$$

$$\begin{array}{r} 59 \\ 41 \overline{) 2441} \\ \underline{2419} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 43 = 56 \text{ remainder } 33$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2441} \\ \underline{2408} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 47 = 51 \text{ remainder } 44$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2441} \\ \underline{2397} \\ 44 \leftarrow \text{remainder} \end{array}$$

## **P<sub>363</sub> 2447**

$$2447 \div 2 = 1223 \text{ remainder } 1$$

$$\begin{array}{r} 1223 \\ 2 \overline{) 2447} \\ \underline{2446} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 3 = 815 \text{ remainder } 2$$

$$\begin{array}{r} 815 \\ 3 \overline{) 2447} \\ \underline{2445} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 5 = 489 \text{ remainder } 2$$

$$\begin{array}{r} 489 \\ 5 \overline{) 2447} \\ \underline{2445} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 7 = 349 \text{ remainder } 4$$

$$\begin{array}{r} 349 \\ 7 \overline{) 2447} \\ \underline{2443} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 11 = 222 \text{ remainder } 5$$

$$\begin{array}{r} 222 \\ 11 \overline{) 2447} \\ \underline{2442} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 13 = 188 \text{ remainder } 3$$

$$\begin{array}{r} 188 \\ 13 \overline{) 2447} \\ \underline{2444} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 17 = 143 \text{ remainder } 16$$

$$\begin{array}{r} 143 \\ 17 \overline{) 2447} \\ \underline{2431} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 19 = 128 \text{ remainder } 15$$

$$\begin{array}{r} 128 \\ 19 \overline{) 2447} \\ \underline{2432} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 23 = 106 \text{ remainder } 9$$

$$\begin{array}{r} 106 \\ 23 \overline{) 2447} \\ \underline{2438} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 29 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 29 \overline{) 2447} \\ \underline{2436} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2447 \div 31 = 78 \text{ remainder } 29$$

$$\begin{array}{r} 78 \\ 31 \overline{) 2447} \end{array}$$



$$\begin{array}{r} 2418 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2447 \div 37 = 66 \text{ remainder } 5$$

$$\begin{array}{r} 66 \\ 37 \overline{) 2447} \\ \underline{2442} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2447 \div 41 = 59 \text{ remainder } 28$$

$$\begin{array}{r} 59 \\ 41 \overline{) 2447} \\ \underline{2419} \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2447 \div 43 = 56 \text{ remainder } 39$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2447} \\ \underline{2408} \\ - - - - \\ 39 \leftarrow \text{remainder} \end{array}$$

$$2447 \div 47 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2447} \\ \underline{2444} \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

## **P<sub>364</sub> 2459**

$$2459 \div 2 = 1229 \text{ remainder } 1$$

$$\begin{array}{r} 1229 \\ 2 \overline{) 2459} \\ \underline{2458} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 3 = 819 \text{ remainder } 2$$

$$\begin{array}{r} 819 \\ 3 \overline{) 2459} \\ \underline{2457} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 5 = 491 \text{ remainder } 4$$

$$\begin{array}{r} 491 \\ 5 \overline{) 2459} \\ \underline{2455} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 7 = 351 \text{ remainder } 2$$

$$\begin{array}{r} 351 \\ 7 \overline{) 2459} \\ \underline{2457} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 11 = 223 \text{ remainder } 6$$

$$\begin{array}{r} 223 \\ 11 \overline{) 2459} \\ \underline{2453} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 13 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 13 \overline{) 2459} \\ \underline{2457} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 17 = 144 \text{ remainder } 11$$

$$\begin{array}{r} 144 \\ 17 \overline{) 2459} \\ \underline{2448} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 19 = 129 \text{ remainder } 8$$

$$\begin{array}{r} 129 \\ 19 \overline{) 2459} \\ \underline{2451} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 23 = 106 \text{ remainder } 21$$

$$\begin{array}{r} 106 \\ 23 \overline{) 2459} \\ \underline{2438} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 29 = 84 \text{ remainder } 23$$

$$\begin{array}{r} 84 \\ 29 \overline{) 2459} \\ \underline{2436} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$2459 \div 31 = 79 \text{ remainder } 10$$

$$\begin{array}{r} 79 \\ 31 \overline{) 2459} \end{array}$$

2449

----

10 ← remainder

$$2459 \div 37 = 66 \text{ remainder } 17$$

$$\begin{array}{r} 66 \\ 37 \overline{) 2459} \\ \underline{2442} \end{array}$$

----

17 ← remainder

$$2459 \div 41 = 59 \text{ remainder } 40$$

$$\begin{array}{r} 59 \\ 41 \overline{) 2459} \\ \underline{2419} \end{array}$$

----

40 ← remainder

$$2459 \div 43 = 57 \text{ remainder } 8$$

$$\begin{array}{r} 57 \\ 43 \overline{) 2459} \\ \underline{2451} \end{array}$$

----

8 ← remainder

$$2459 \div 47 = 52 \text{ remainder } 15$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2459} \\ \underline{2444} \end{array}$$

----

15 ← remainder

## **P<sub>365</sub> 2467**

$$2467 \div 2 = 1233 \text{ remainder } 1$$

$$\begin{array}{r} 1233 \\ 2 \overline{) 2467} \\ \underline{2466} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 3 = 822 \text{ remainder } 1$$

$$\begin{array}{r} 822 \\ 3 \overline{) 2467} \\ \underline{2466} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 5 = 493 \text{ remainder } 2$$

$$\begin{array}{r} 493 \\ 5 \overline{) 2467} \\ \underline{2465} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 7 = 352 \text{ remainder } 3$$

$$\begin{array}{r} 352 \\ 7 \overline{) 2467} \\ \underline{2464} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 11 = 224 \text{ remainder } 3$$

$$\begin{array}{r} 224 \\ 11 \overline{) 2467} \\ \underline{2464} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 13 = 189 \text{ remainder } 10$$

$$\begin{array}{r} 189 \\ 13 \overline{) 2467} \\ \underline{2457} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 17 = 145 \text{ remainder } 2$$

$$\begin{array}{r} 145 \\ 17 \overline{) 2467} \\ \underline{2465} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 19 = 129 \text{ remainder } 16$$

$$\begin{array}{r} 129 \\ 19 \overline{) 2467} \\ \underline{2451} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 23 = 107 \text{ remainder } 6$$

$$\begin{array}{r} 107 \\ 23 \overline{) 2467} \\ \underline{2461} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 29 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 29 \overline{) 2467} \\ \underline{2465} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2467 \div 31 = 79 \text{ remainder } 18$$

$$\begin{array}{r} 79 \\ 31 \overline{) 2467} \end{array}$$

$$\begin{array}{r} 2449 \\ - - - - \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 37 = 66 \text{ remainder } 25$$

$$\begin{array}{r} 66 \\ 37 \overline{) 2467} \\ \underline{2442} \phantom{00} \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 41 = 60 \text{ remainder } 7$$

$$\begin{array}{r} 60 \\ 41 \overline{) 2467} \\ \underline{2460} \phantom{00} \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 43 = 57 \text{ remainder } 16$$

$$\begin{array}{r} 57 \\ 43 \overline{) 2467} \\ \underline{2451} \phantom{00} \\ - - - - \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 47 = 52 \text{ remainder } 23$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2467} \\ \underline{2444} \phantom{00} \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

## **P<sub>366</sub> 2473**

$$2473 \div 2 = 1236 \text{ remainder } 1$$

$$\begin{array}{r} 1236 \\ 2 \overline{) 2473} \\ \underline{2472} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 3 = 824 \text{ remainder } 1$$

$$\begin{array}{r} 824 \\ 3 \overline{) 2473} \\ \underline{2472} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 5 = 494 \text{ remainder } 3$$

$$\begin{array}{r} 494 \\ 5 \overline{) 2473} \\ \underline{2470} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 7 = 353 \text{ remainder } 2$$

$$\begin{array}{r} 353 \\ 7 \overline{) 2473} \\ \underline{2471} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 11 = 224 \text{ remainder } 9$$

$$\begin{array}{r} 224 \\ 11 \overline{) 2473} \\ \underline{2464} \\ 9 \end{array} \leftarrow \text{remainder}$$



$$2473 \div 13 = 190 \text{ remainder } 3$$

$$\begin{array}{r} 190 \\ 13 \overline{) 2473} \\ \underline{2470} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 17 = 145 \text{ remainder } 8$$

$$\begin{array}{r} 145 \\ 17 \overline{) 2473} \\ \underline{2465} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 19 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 19 \overline{) 2473} \\ \underline{2470} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 23 = 107 \text{ remainder } 12$$

$$\begin{array}{r} 107 \\ 23 \overline{) 2473} \\ \underline{2461} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 29 = 85 \text{ remainder } 8$$

$$\begin{array}{r} 85 \\ 29 \overline{) 2473} \\ \underline{2465} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2473 \div 31 = 79 \text{ remainder } 24$$

$$\begin{array}{r} 79 \\ 31 \overline{) 2473} \end{array}$$

2449

----

24 ← remainder

$$2473 \div 37 = 66 \text{ remainder } 31$$

$$\begin{array}{r} 66 \\ 37 \overline{) 2473} \\ \underline{2442} \end{array}$$

----

31 ← remainder

$$2473 \div 41 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 41 \overline{) 2473} \\ \underline{2460} \end{array}$$

----

13 ← remainder

$$2473 \div 43 = 57 \text{ remainder } 22$$

$$\begin{array}{r} 57 \\ 43 \overline{) 2473} \\ \underline{2451} \end{array}$$

----

22 ← remainder

$$2473 \div 47 = 52 \text{ remainder } 29$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2473} \\ \underline{2444} \end{array}$$

----

29 ← remainder

## **P<sub>367</sub> 2477**

$$2477 \div 2 = 1238 \text{ remainder } 1$$

$$\begin{array}{r} 1238 \\ 2 \overline{) 2477} \\ \underline{2476} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 3 = 825 \text{ remainder } 2$$

$$\begin{array}{r} 825 \\ 3 \overline{) 2477} \\ \underline{2475} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 5 = 495 \text{ remainder } 2$$

$$\begin{array}{r} 495 \\ 5 \overline{) 2477} \\ \underline{2475} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 7 = 353 \text{ remainder } 6$$

$$\begin{array}{r} 353 \\ 7 \overline{) 2477} \\ \underline{2471} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 11 = 225 \text{ remainder } 2$$

$$\begin{array}{r} 225 \\ 11 \overline{) 2477} \\ \underline{2475} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 13 = 190 \text{ remainder } 7$$

$$\begin{array}{r} 190 \\ 13 \overline{) 2477} \\ \underline{2470} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 17 = 145 \text{ remainder } 12$$

$$\begin{array}{r} 145 \\ 17 \overline{) 2477} \\ \underline{2465} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 19 = 130 \text{ remainder } 7$$

$$\begin{array}{r} 130 \\ 19 \overline{) 2477} \\ \underline{2470} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 23 = 107 \text{ remainder } 16$$

$$\begin{array}{r} 107 \\ 23 \overline{) 2477} \\ \underline{2461} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 29 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 29 \overline{) 2477} \\ \underline{2465} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2477 \div 31 = 79 \text{ remainder } 28$$

$$\begin{array}{r} 79 \\ 31 \overline{) 2477} \end{array}$$

$$\begin{array}{r} 2449 \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2477 \div 37 = 66 \text{ remainder } 35$$

$$\begin{array}{r} 66 \\ 37 \overline{) 2477} \\ \underline{2442} \phantom{00} \\ - - - - \\ 35 \leftarrow \text{remainder} \end{array}$$

$$2477 \div 41 = 60 \text{ remainder } 17$$

$$\begin{array}{r} 60 \\ 41 \overline{) 2477} \\ \underline{2460} \phantom{00} \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2477 \div 43 = 57 \text{ remainder } 26$$

$$\begin{array}{r} 57 \\ 43 \overline{) 2477} \\ \underline{2451} \phantom{00} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2477 \div 47 = 52 \text{ remainder } 33$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2477} \\ \underline{2444} \phantom{00} \\ - - - - \\ 33 \leftarrow \text{remainder} \end{array}$$

## **P<sub>368</sub> 2503**

$$2503 \div 2 = 1251 \text{ remainder } 1$$

$$\begin{array}{r} 1251 \\ 2 \overline{) 2503} \\ \underline{2502} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 3 = 834 \text{ remainder } 1$$

$$\begin{array}{r} 834 \\ 3 \overline{) 2503} \\ \underline{2502} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 5 = 500 \text{ remainder } 3$$

$$\begin{array}{r} 500 \\ 5 \overline{) 2503} \\ \underline{2500} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 7 = 357 \text{ remainder } 4$$

$$\begin{array}{r} 357 \\ 7 \overline{) 2503} \\ \underline{2499} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 11 = 227 \text{ remainder } 6$$

$$\begin{array}{r} 227 \\ 11 \overline{) 2503} \\ \underline{2497} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 13 = 192 \text{ remainder } 7$$

$$\begin{array}{r} 192 \\ 13 \overline{) 2503} \\ \underline{2496} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 17 = 147 \text{ remainder } 4$$

$$\begin{array}{r} 147 \\ 17 \overline{) 2503} \\ \underline{2499} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 19 = 131 \text{ remainder } 14$$

$$\begin{array}{r} 131 \\ 19 \overline{) 2503} \\ \underline{2489} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 23 = 108 \text{ remainder } 19$$

$$\begin{array}{r} 108 \\ 23 \overline{) 2503} \\ \underline{2484} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 29 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 29 \overline{) 2503} \\ \underline{2494} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2503 \div 31 = 80 \text{ remainder } 23$$

$$\begin{array}{r} 80 \\ 31 \overline{) 2503} \end{array}$$

$$\begin{array}{r} 2480 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 37 = 67 \text{ remainder } 24$$

$$\begin{array}{r} 67 \\ 37 \overline{) 2503} \\ \underline{2479} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 41 = 61 \text{ remainder } 2$$

$$\begin{array}{r} 61 \\ 41 \overline{) 2503} \\ \underline{2501} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 43 = 58 \text{ remainder } 9$$

$$\begin{array}{r} 58 \\ 43 \overline{) 2503} \\ \underline{2494} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 47 = 53 \text{ remainder } 12$$

$$\begin{array}{r} 53 \\ 47 \overline{) 2503} \\ \underline{2491} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$



## **P<sub>369</sub> 2521**

$$2521 \div 2 = 1260 \text{ remainder } 1$$

$$\begin{array}{r} 1260 \\ 2 \overline{) 2521} \\ \underline{2520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 3 = 840 \text{ remainder } 1$$

$$\begin{array}{r} 840 \\ 3 \overline{) 2521} \\ \underline{2520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 5 = 504 \text{ remainder } 1$$

$$\begin{array}{r} 504 \\ 5 \overline{) 2521} \\ \underline{2520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 7 = 360 \text{ remainder } 1$$

$$\begin{array}{r} 360 \\ 7 \overline{) 2521} \\ \underline{2520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 11 = 229 \text{ remainder } 2$$

$$\begin{array}{r} 229 \\ 11 \overline{) 2521} \\ \underline{2519} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 13 = 193 \text{ remainder } 12$$

$$\begin{array}{r} 193 \\ 13 \overline{) 2521} \\ \underline{2509} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 17 = 148 \text{ remainder } 5$$

$$\begin{array}{r} 148 \\ 17 \overline{) 2521} \\ \underline{2516} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 19 = 132 \text{ remainder } 13$$

$$\begin{array}{r} 132 \\ 19 \overline{) 2521} \\ \underline{2508} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 23 = 109 \text{ remainder } 14$$

$$\begin{array}{r} 109 \\ 23 \overline{) 2521} \\ \underline{2507} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 29 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 29 \overline{) 2521} \\ \underline{2494} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$2521 \div 31 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 31 \overline{) 2521} \end{array}$$

$$\begin{array}{r} 2511 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 37 = 68 \text{ remainder } 5$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2521} \\ \underline{2516} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 41 = 61 \text{ remainder } 20$$

$$\begin{array}{r} 61 \\ 41 \overline{) 2521} \\ \underline{2501} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 43 = 58 \text{ remainder } 27$$

$$\begin{array}{r} 58 \\ 43 \overline{) 2521} \\ \underline{2494} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 47 = 53 \text{ remainder } 30$$

$$\begin{array}{r} 53 \\ 47 \overline{) 2521} \\ \underline{2491} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

## **P<sub>370</sub> 2531**

$$2531 \div 2 = 1265 \text{ remainder } 1$$

$$\begin{array}{r} 1265 \\ 2 \overline{) 2531} \\ \underline{2530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 3 = 843 \text{ remainder } 2$$

$$\begin{array}{r} 843 \\ 3 \overline{) 2531} \\ \underline{2529} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 5 = 506 \text{ remainder } 1$$

$$\begin{array}{r} 506 \\ 5 \overline{) 2531} \\ \underline{2530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 7 = 361 \text{ remainder } 4$$

$$\begin{array}{r} 361 \\ 7 \overline{) 2531} \\ \underline{2527} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 11 = 230 \text{ remainder } 1$$

$$\begin{array}{r} 230 \\ 11 \overline{) 2531} \\ \underline{2530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 13 = 194 \text{ remainder } 9$$

$$\begin{array}{r} 194 \\ 13 \overline{) 2531} \\ \underline{2522} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 17 = 148 \text{ remainder } 15$$

$$\begin{array}{r} 148 \\ 17 \overline{) 2531} \\ \underline{2516} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 19 = 133 \text{ remainder } 4$$

$$\begin{array}{r} 133 \\ 19 \overline{) 2531} \\ \underline{2527} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 23 = 110 \text{ remainder } 1$$

$$\begin{array}{r} 110 \\ 23 \overline{) 2531} \\ \underline{2530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 29 = 87 \text{ remainder } 8$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2531} \\ \underline{2523} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2531 \div 31 = 81 \text{ remainder } 20$$

$$\begin{array}{r} 81 \\ 31 \overline{) 2531} \end{array}$$

$$\begin{array}{r} 2511 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 37 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2531} \\ \underline{2516} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 41 = 61 \text{ remainder } 30$$

$$\begin{array}{r} 61 \\ 41 \overline{) 2531} \\ \underline{2501} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 43 = 58 \text{ remainder } 37$$

$$\begin{array}{r} 58 \\ 43 \overline{) 2531} \\ \underline{2494} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 47 = 53 \text{ remainder } 40$$

$$\begin{array}{r} 53 \\ 47 \overline{) 2531} \\ \underline{2491} \\ 40 \leftarrow \text{remainder} \end{array}$$

## **P<sub>371</sub> 2539**

$$2539 \div 2 = 1269 \text{ remainder } 1$$

$$\begin{array}{r} 1269 \\ 2 \overline{) 2539} \\ \underline{2538} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 3 = 846 \text{ remainder } 1$$

$$\begin{array}{r} 846 \\ 3 \overline{) 2539} \\ \underline{2538} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 5 = 507 \text{ remainder } 4$$

$$\begin{array}{r} 507 \\ 5 \overline{) 2539} \\ \underline{2535} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 7 = 362 \text{ remainder } 5$$

$$\begin{array}{r} 362 \\ 7 \overline{) 2539} \\ \underline{2534} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 11 = 230 \text{ remainder } 9$$

$$\begin{array}{r} 230 \\ 11 \overline{) 2539} \\ \underline{2530} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 13 = 195 \text{ remainder } 4$$

$$\begin{array}{r} 195 \\ 13 \overline{) 2539} \\ \underline{2535} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 17 = 149 \text{ remainder } 6$$

$$\begin{array}{r} 149 \\ 17 \overline{) 2539} \\ \underline{2533} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 19 = 133 \text{ remainder } 12$$

$$\begin{array}{r} 133 \\ 19 \overline{) 2539} \\ \underline{2527} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 23 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 23 \overline{) 2539} \\ \underline{2530} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 29 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2539} \\ \underline{2523} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2539 \div 31 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 31 \overline{) 2539} \end{array}$$



$$\begin{array}{r} 2511 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 37 = 68 \text{ remainder } 23$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2539} \\ \underline{2516} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 41 = 61 \text{ remainder } 38$$

$$\begin{array}{r} 61 \\ 41 \overline{) 2539} \\ \underline{2501} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 43 = 59 \text{ remainder } 2$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2539} \\ \underline{2537} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 47 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2539} \\ \underline{2538} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

## **P<sub>372</sub> 2543**

$$2543 \div 2 = 1271 \text{ remainder } 1$$

$$\begin{array}{r} 1271 \\ 2 \overline{) 2543} \\ \underline{2542} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 3 = 847 \text{ remainder } 2$$

$$\begin{array}{r} 847 \\ 3 \overline{) 2543} \\ \underline{2541} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 5 = 508 \text{ remainder } 3$$

$$\begin{array}{r} 508 \\ 5 \overline{) 2543} \\ \underline{2540} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 7 = 363 \text{ remainder } 2$$

$$\begin{array}{r} 363 \\ 7 \overline{) 2543} \\ \underline{2541} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 11 = 231 \text{ remainder } 2$$

$$\begin{array}{r} 231 \\ 11 \overline{) 2543} \\ \underline{2541} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 13 = 195 \text{ remainder } 8$$

$$\begin{array}{r} 195 \\ 13 \overline{) 2543} \\ \underline{2535} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 17 = 149 \text{ remainder } 10$$

$$\begin{array}{r} 149 \\ 17 \overline{) 2543} \\ \underline{2533} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 19 = 133 \text{ remainder } 16$$

$$\begin{array}{r} 133 \\ 19 \overline{) 2543} \\ \underline{2527} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 23 = 110 \text{ remainder } 13$$

$$\begin{array}{r} 110 \\ 23 \overline{) 2543} \\ \underline{2530} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 29 = 87 \text{ remainder } 20$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2543} \\ \underline{2523} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2543 \div 31 = 82 \text{ remainder } 1$$

$$\begin{array}{r} 82 \\ 31 \overline{) 2543} \end{array}$$

2542

----

1 ← remainder

$2543 \div 37 = 68 \text{ remainder } 27$

37 |  $\overline{2543}$   
2516

----

27 ← remainder

$2543 \div 41 = 62 \text{ remainder } 1$

41 |  $\overline{2543}$   
2542

----

1 ← remainder

$2543 \div 43 = 59 \text{ remainder } 6$

43 |  $\overline{2543}$   
2537

----

6 ← remainder

$2543 \div 47 = 54 \text{ remainder } 5$

47 |  $\overline{2543}$   
2538

----

5 ← remainder

## **P<sub>373</sub> 2549**

$$2549 \div 2 = 1274 \text{ remainder } 1$$

$$\begin{array}{r} 1274 \\ 2 \overline{) 2549} \\ \underline{2548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 3 = 849 \text{ remainder } 2$$

$$\begin{array}{r} 849 \\ 3 \overline{) 2549} \\ \underline{2547} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 5 = 509 \text{ remainder } 4$$

$$\begin{array}{r} 509 \\ 5 \overline{) 2549} \\ \underline{2545} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 7 = 364 \text{ remainder } 1$$

$$\begin{array}{r} 364 \\ 7 \overline{) 2549} \\ \underline{2548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 11 = 231 \text{ remainder } 8$$

$$\begin{array}{r} 231 \\ 11 \overline{) 2549} \\ \underline{2541} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 13 = 196 \text{ remainder } 1$$

$$\begin{array}{r} 196 \\ 13 \overline{) 2549} \\ \underline{2548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 17 = 149 \text{ remainder } 16$$

$$\begin{array}{r} 149 \\ 17 \overline{) 2549} \\ \underline{2533} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 19 = 134 \text{ remainder } 3$$

$$\begin{array}{r} 134 \\ 19 \overline{) 2549} \\ \underline{2546} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 23 = 110 \text{ remainder } 19$$

$$\begin{array}{r} 110 \\ 23 \overline{) 2549} \\ \underline{2530} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 29 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2549} \\ \underline{2523} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$2549 \div 31 = 82 \text{ remainder } 7$$

$$\begin{array}{r} 82 \\ 31 \overline{) 2549} \end{array}$$

$$\begin{array}{r} 2542 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2549 \div 37 = 68 \text{ remainder } 33$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2549} \\ \underline{2516} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2549 \div 41 = 62 \text{ remainder } 7$$

$$\begin{array}{r} 62 \\ 41 \overline{) 2549} \\ \underline{2542} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2549 \div 43 = 59 \text{ remainder } 12$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2549} \\ \underline{2537} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2549 \div 47 = 54 \text{ remainder } 11$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2549} \\ \underline{2538} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

## **P<sub>374</sub> 2551**

$$2551 \div 2 = 1275 \text{ remainder } 1$$

$$\begin{array}{r} 1275 \\ 2 \overline{) 2551} \\ \underline{2550} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 3 = 850 \text{ remainder } 1$$

$$\begin{array}{r} 850 \\ 3 \overline{) 2551} \\ \underline{2550} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 5 = 510 \text{ remainder } 1$$

$$\begin{array}{r} 510 \\ 5 \overline{) 2551} \\ \underline{2550} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 7 = 364 \text{ remainder } 3$$

$$\begin{array}{r} 364 \\ 7 \overline{) 2551} \\ \underline{2548} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 11 = 231 \text{ remainder } 10$$

$$\begin{array}{r} 231 \\ 11 \overline{) 2551} \\ \underline{2541} \\ 10 \end{array} \leftarrow \text{remainder}$$



$$2551 \div 13 = 196 \text{ remainder } 3$$

$$\begin{array}{r} 196 \\ 13 \overline{) 2551} \\ \underline{2548} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 17 = 150 \text{ remainder } 1$$

$$\begin{array}{r} 150 \\ 17 \overline{) 2551} \\ \underline{2550} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 19 = 134 \text{ remainder } 5$$

$$\begin{array}{r} 134 \\ 19 \overline{) 2551} \\ \underline{2546} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 23 = 110 \text{ remainder } 21$$

$$\begin{array}{r} 110 \\ 23 \overline{) 2551} \\ \underline{2530} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 29 = 87 \text{ remainder } 28$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2551} \\ \underline{2523} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2551 \div 31 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 31 \overline{) 2551} \end{array}$$

$$\begin{array}{r} 2542 \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 37 = 68 \text{ remainder } 35$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2551} \\ \underline{2516} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 41 = 62 \text{ remainder } 9$$

$$\begin{array}{r} 62 \\ 41 \overline{) 2551} \\ \underline{2542} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 43 = 59 \text{ remainder } 14$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2551} \\ \underline{2537} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 47 = 54 \text{ remainder } 13$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2551} \\ \underline{2538} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

## **P<sub>375</sub> 2557**

$$2557 \div 2 = 1278 \text{ remainder } 1$$

$$\begin{array}{r} 1278 \\ 2 \overline{) 2557} \\ \underline{2556} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 3 = 852 \text{ remainder } 1$$

$$\begin{array}{r} 852 \\ 3 \overline{) 2557} \\ \underline{2556} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 5 = 511 \text{ remainder } 2$$

$$\begin{array}{r} 511 \\ 5 \overline{) 2557} \\ \underline{2555} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 7 = 365 \text{ remainder } 2$$

$$\begin{array}{r} 365 \\ 7 \overline{) 2557} \\ \underline{2555} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 11 = 232 \text{ remainder } 5$$

$$\begin{array}{r} 232 \\ 11 \overline{) 2557} \\ \underline{2552} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 13 = 196 \text{ remainder } 9$$

$$\begin{array}{r} 196 \\ 13 \overline{) 2557} \\ \underline{2548} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 17 = 150 \text{ remainder } 7$$

$$\begin{array}{r} 150 \\ 17 \overline{) 2557} \\ \underline{2550} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 19 = 134 \text{ remainder } 11$$

$$\begin{array}{r} 134 \\ 19 \overline{) 2557} \\ \underline{2546} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 23 = 111 \text{ remainder } 4$$

$$\begin{array}{r} 111 \\ 23 \overline{) 2557} \\ \underline{2553} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 29 = 88 \text{ remainder } 5$$

$$\begin{array}{r} 88 \\ 29 \overline{) 2557} \\ \underline{2552} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2557 \div 31 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 31 \overline{) 2557} \end{array}$$

$$\begin{array}{r} 2542 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 37 = 69 \text{ remainder } 4$$

$$\begin{array}{r} 69 \\ 37 \overline{) 2557} \\ \underline{2553} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 41 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 41 \overline{) 2557} \\ \underline{2542} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 43 = 59 \text{ remainder } 20$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2557} \\ \underline{2537} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 47 = 54 \text{ remainder } 19$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2557} \\ \underline{2538} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

## **P<sub>376</sub> 2579**

$$2579 \div 2 = 1289 \text{ remainder } 1$$

$$\begin{array}{r} 1289 \\ 2 \overline{) 2579} \\ \underline{2578} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 3 = 859 \text{ remainder } 2$$

$$\begin{array}{r} 859 \\ 3 \overline{) 2579} \\ \underline{2577} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 5 = 515 \text{ remainder } 4$$

$$\begin{array}{r} 515 \\ 5 \overline{) 2579} \\ \underline{2575} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 7 = 368 \text{ remainder } 3$$

$$\begin{array}{r} 368 \\ 7 \overline{) 2579} \\ \underline{2576} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 11 = 234 \text{ remainder } 5$$

$$\begin{array}{r} 234 \\ 11 \overline{) 2579} \\ \underline{2574} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 13 = 198 \text{ remainder } 5$$

$$\begin{array}{r} 198 \\ 13 \overline{) 2579} \\ \underline{2574} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 17 = 151 \text{ remainder } 12$$

$$\begin{array}{r} 151 \\ 17 \overline{) 2579} \\ \underline{2567} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 19 = 135 \text{ remainder } 14$$

$$\begin{array}{r} 135 \\ 19 \overline{) 2579} \\ \underline{2565} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 23 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 23 \overline{) 2579} \\ \underline{2576} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 29 = 88 \text{ remainder } 27$$

$$\begin{array}{r} 88 \\ 29 \overline{) 2579} \\ \underline{2552} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$2579 \div 31 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 31 \overline{) 2579} \end{array}$$

2573

----

6 ← remainder

$2579 \div 37 = 69 \text{ remainder } 26$

69  
37 |  $\overline{2579}$   
2553

----

26 ← remainder

$2579 \div 41 = 62 \text{ remainder } 37$

62  
41 |  $\overline{2579}$   
2542

----

37 ← remainder

$2579 \div 43 = 59 \text{ remainder } 42$

59  
43 |  $\overline{2579}$   
2537

----

42 ← remainder

$2579 \div 47 = 54 \text{ remainder } 41$

54  
47 |  $\overline{2579}$   
2538

----

41 ← remainder



## **P<sub>377</sub> 2591**

$$2591 \div 2 = 1295 \text{ remainder } 1$$

$$\begin{array}{r} 1295 \\ 2 \overline{) 2591} \\ \underline{2590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 3 = 863 \text{ remainder } 2$$

$$\begin{array}{r} 863 \\ 3 \overline{) 2591} \\ \underline{2589} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 5 = 518 \text{ remainder } 1$$

$$\begin{array}{r} 518 \\ 5 \overline{) 2591} \\ \underline{2590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 7 = 370 \text{ remainder } 1$$

$$\begin{array}{r} 370 \\ 7 \overline{) 2591} \\ \underline{2590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 11 = 235 \text{ remainder } 6$$

$$\begin{array}{r} 235 \\ 11 \overline{) 2591} \\ \underline{2585} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 13 = 199 \text{ remainder } 4$$

$$\begin{array}{r} 199 \\ 13 \overline{) 2591} \\ \underline{2587} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 17 = 152 \text{ remainder } 7$$

$$\begin{array}{r} 152 \\ 17 \overline{) 2591} \\ \underline{2584} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 19 = 136 \text{ remainder } 7$$

$$\begin{array}{r} 136 \\ 19 \overline{) 2591} \\ \underline{2584} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 23 = 112 \text{ remainder } 15$$

$$\begin{array}{r} 112 \\ 23 \overline{) 2591} \\ \underline{2576} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 29 = 89 \text{ remainder } 10$$

$$\begin{array}{r} 89 \\ 29 \overline{) 2591} \\ \underline{2581} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2591 \div 31 = 83 \text{ remainder } 18$$

$$\begin{array}{r} 83 \\ 31 \overline{) 2591} \end{array}$$

$$\begin{array}{r} 2573 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 37 = 70 \text{ remainder } 1$$

$$\begin{array}{r} 70 \\ 37 \overline{) 2591} \\ \underline{2590} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 41 = 63 \text{ remainder } 8$$

$$\begin{array}{r} 63 \\ 41 \overline{) 2591} \\ \underline{2583} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 43 = 60 \text{ remainder } 11$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2591} \\ \underline{2580} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 47 = 55 \text{ remainder } 6$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2591} \\ \underline{2585} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

## **P<sub>378</sub> 2593**

$$2593 \div 2 = 1296 \text{ remainder } 1$$

$$\begin{array}{r} 1296 \\ 2 \overline{) 2593} \\ \underline{2592} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 3 = 864 \text{ remainder } 1$$

$$\begin{array}{r} 864 \\ 3 \overline{) 2593} \\ \underline{2592} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 5 = 518 \text{ remainder } 3$$

$$\begin{array}{r} 518 \\ 5 \overline{) 2593} \\ \underline{2590} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 7 = 370 \text{ remainder } 3$$

$$\begin{array}{r} 370 \\ 7 \overline{) 2593} \\ \underline{2590} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 11 = 235 \text{ remainder } 8$$

$$\begin{array}{r} 235 \\ 11 \overline{) 2593} \\ \underline{2585} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 13 = 199 \text{ remainder } 6$$

$$\begin{array}{r} 199 \\ 13 \overline{) 2593} \\ \underline{2587} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 17 = 152 \text{ remainder } 9$$

$$\begin{array}{r} 152 \\ 17 \overline{) 2593} \\ \underline{2584} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 19 = 136 \text{ remainder } 9$$

$$\begin{array}{r} 136 \\ 19 \overline{) 2593} \\ \underline{2584} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 23 = 112 \text{ remainder } 17$$

$$\begin{array}{r} 112 \\ 23 \overline{) 2593} \\ \underline{2576} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 29 = 89 \text{ remainder } 12$$

$$\begin{array}{r} 89 \\ 29 \overline{) 2593} \\ \underline{2581} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2593 \div 31 = 83 \text{ remainder } 20$$

$$\begin{array}{r} 83 \\ 31 \overline{) 2593} \end{array}$$

$$\begin{array}{r} 2573 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 37 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 37 \overline{) 2593} \\ \underline{2590} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 41 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 41 \overline{) 2593} \\ \underline{2583} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 43 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2593} \\ \underline{2580} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 47 = 55 \text{ remainder } 8$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2593} \\ \underline{2585} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

## **P<sub>379</sub> 2609**

$$2609 \div 2 = 1304 \text{ remainder } 1$$

$$\begin{array}{r} 1304 \\ 2 \overline{) 2609} \\ \underline{2608} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 3 = 869 \text{ remainder } 2$$

$$\begin{array}{r} 869 \\ 3 \overline{) 2609} \\ \underline{2607} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 5 = 521 \text{ remainder } 4$$

$$\begin{array}{r} 521 \\ 5 \overline{) 2609} \\ \underline{2605} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 7 = 372 \text{ remainder } 5$$

$$\begin{array}{r} 372 \\ 7 \overline{) 2609} \\ \underline{2604} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 11 = 237 \text{ remainder } 2$$

$$\begin{array}{r} 237 \\ 11 \overline{) 2609} \\ \underline{2607} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 13 = 200 \text{ remainder } 9$$

$$\begin{array}{r} 200 \\ 13 \overline{) 2609} \\ \underline{2600} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 17 = 153 \text{ remainder } 8$$

$$\begin{array}{r} 153 \\ 17 \overline{) 2609} \\ \underline{2601} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 19 = 137 \text{ remainder } 6$$

$$\begin{array}{r} 137 \\ 19 \overline{) 2609} \\ \underline{2603} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 23 = 113 \text{ remainder } 10$$

$$\begin{array}{r} 113 \\ 23 \overline{) 2609} \\ \underline{2599} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 29 = 89 \text{ remainder } 28$$

$$\begin{array}{r} 89 \\ 29 \overline{) 2609} \\ \underline{2581} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2609 \div 31 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 31 \overline{) 2609} \end{array}$$



2604

----

5 ← remainder

$$2609 \div 37 = 70 \text{ remainder } 19$$

$$\begin{array}{r} 70 \\ 37 \overline{) 2609} \\ \underline{2590} \end{array}$$

----

19 ← remainder

$$2609 \div 41 = 63 \text{ remainder } 26$$

$$\begin{array}{r} 63 \\ 41 \overline{) 2609} \\ \underline{2583} \end{array}$$

----

26 ← remainder

$$2609 \div 43 = 60 \text{ remainder } 29$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2609} \\ \underline{2580} \end{array}$$

----

29 ← remainder

$$2609 \div 47 = 55 \text{ remainder } 24$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2609} \\ \underline{2585} \end{array}$$

----

24 ← remainder

## **P<sub>380</sub> 2617**

$$2617 \div 2 = 1308 \text{ remainder } 1$$

$$\begin{array}{r} 1308 \\ 2 \overline{) 2617} \\ \underline{2616} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 3 = 872 \text{ remainder } 1$$

$$\begin{array}{r} 872 \\ 3 \overline{) 2617} \\ \underline{2616} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 5 = 523 \text{ remainder } 2$$

$$\begin{array}{r} 523 \\ 5 \overline{) 2617} \\ \underline{2615} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 7 = 373 \text{ remainder } 6$$

$$\begin{array}{r} 373 \\ 7 \overline{) 2617} \\ \underline{2611} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 11 = 237 \text{ remainder } 10$$

$$\begin{array}{r} 237 \\ 11 \overline{) 2617} \\ \underline{2607} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 13 = 201 \text{ remainder } 4$$

$$\begin{array}{r} 201 \\ 13 \overline{) 2617} \\ \underline{2613} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 17 = 153 \text{ remainder } 16$$

$$\begin{array}{r} 153 \\ 17 \overline{) 2617} \\ \underline{2601} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 19 = 137 \text{ remainder } 14$$

$$\begin{array}{r} 137 \\ 19 \overline{) 2617} \\ \underline{2603} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 23 = 113 \text{ remainder } 18$$

$$\begin{array}{r} 113 \\ 23 \overline{) 2617} \\ \underline{2599} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 29 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 29 \overline{) 2617} \\ \underline{2610} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2617 \div 31 = 84 \text{ remainder } 13$$

$$\begin{array}{r} 84 \\ 31 \overline{) 2617} \end{array}$$

$$\begin{array}{r} 2604 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 37 = 70 \text{ remainder } 27$$

$$\begin{array}{r} 70 \\ 37 \mid \overline{2617} \\ \underline{2590} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 41 = 63 \text{ remainder } 34$$

$$\begin{array}{r} 63 \\ 41 \mid \overline{2617} \\ \underline{2583} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 43 = 60 \text{ remainder } 37$$

$$\begin{array}{r} 60 \\ 43 \mid \overline{2617} \\ \underline{2580} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 47 = 55 \text{ remainder } 32$$

$$\begin{array}{r} 55 \\ 47 \mid \overline{2617} \\ \underline{2585} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

## **P<sub>381</sub> 2621**

$$2621 \div 2 = 1310 \text{ remainder } 1$$

$$\begin{array}{r} 1310 \\ 2 \overline{) 2621} \\ \underline{2620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2621 \div 3 = 873 \text{ remainder } 2$$

$$\begin{array}{r} 873 \\ 3 \overline{) 2621} \\ \underline{2619} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2621 \div 5 = 524 \text{ remainder } 1$$

$$\begin{array}{r} 524 \\ 5 \overline{) 2621} \\ \underline{2620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2621 \div 7 = 374 \text{ remainder } 3$$

$$\begin{array}{r} 374 \\ 7 \overline{) 2621} \\ \underline{2618} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2621 \div 11 = 238 \text{ remainder } 3$$

$$\begin{array}{r} 238 \\ 11 \overline{) 2621} \\ \underline{2618} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2621 \div 13 = 201 \text{ remainder } 8$$

$$\begin{array}{r} 201 \\ 13 \overline{) 2621} \\ \underline{2613} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2621 \div 17 = 154 \text{ remainder } 3$$

$$\begin{array}{r} 154 \\ 17 \overline{) 2621} \\ \underline{2618} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2621 \div 19 = 137 \text{ remainder } 18$$

$$\begin{array}{r} 137 \\ 19 \overline{) 2621} \\ \underline{2603} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2621 \div 23 = 113 \text{ remainder } 22$$

$$\begin{array}{r} 113 \\ 23 \overline{) 2621} \\ \underline{2599} \phantom{00} \\ 22 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2621 \div 29 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 29 \overline{) 2621} \\ \underline{2610} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2621 \div 31 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 31 \overline{) 2621} \end{array}$$

$$\begin{array}{r} 2604 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 37 = 70 \text{ remainder } 31$$

$$\begin{array}{r} 70 \\ 37 \overline{) 2621} \\ \underline{2590} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 41 = 63 \text{ remainder } 38$$

$$\begin{array}{r} 63 \\ 41 \overline{) 2621} \\ \underline{2583} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 43 = 60 \text{ remainder } 41$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2621} \\ \underline{2580} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 47 = 55 \text{ remainder } 36$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2621} \\ \underline{2585} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

## **P<sub>382</sub> 2633**

$$2633 \div 2 = 1316 \text{ remainder } 1$$

$$\begin{array}{r} 1316 \\ 2 \overline{) 2633} \\ \underline{2632} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 3 = 877 \text{ remainder } 2$$

$$\begin{array}{r} 877 \\ 3 \overline{) 2633} \\ \underline{2631} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 5 = 526 \text{ remainder } 3$$

$$\begin{array}{r} 526 \\ 5 \overline{) 2633} \\ \underline{2630} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 7 = 376 \text{ remainder } 1$$

$$\begin{array}{r} 376 \\ 7 \overline{) 2633} \\ \underline{2632} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 11 = 239 \text{ remainder } 4$$

$$\begin{array}{r} 239 \\ 11 \overline{) 2633} \\ \underline{2629} \\ 4 \end{array} \leftarrow \text{remainder}$$



$$2633 \div 13 = 202 \text{ remainder } 7$$

$$\begin{array}{r} 202 \\ 13 \overline{) 2633} \\ \underline{2626} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 17 = 154 \text{ remainder } 15$$

$$\begin{array}{r} 154 \\ 17 \overline{) 2633} \\ \underline{2618} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 19 = 138 \text{ remainder } 11$$

$$\begin{array}{r} 138 \\ 19 \overline{) 2633} \\ \underline{2622} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 23 = 114 \text{ remainder } 11$$

$$\begin{array}{r} 114 \\ 23 \overline{) 2633} \\ \underline{2622} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 29 = 90 \text{ remainder } 23$$

$$\begin{array}{r} 90 \\ 29 \overline{) 2633} \\ \underline{2610} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 31 = 84 \text{ remainder } 29$$

$$\begin{array}{r} 84 \\ 31 \overline{) 2633} \end{array}$$

$$\begin{array}{r} 2604 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 37 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 37 \overline{) 2633} \\ \underline{2627} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 41 = 64 \text{ remainder } 9$$

$$\begin{array}{r} 64 \\ 41 \overline{) 2633} \\ \underline{2624} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 43 = 61 \text{ remainder } 10$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2633} \\ \underline{2623} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 47 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2633} \\ \underline{2632} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

## **P<sub>383</sub> 2647**

$$2647 \div 2 = 1323 \text{ remainder } 1$$

$$\begin{array}{r} 1323 \\ 2 \overline{) 2647} \\ \underline{2646} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 3 = 882 \text{ remainder } 1$$

$$\begin{array}{r} 882 \\ 3 \overline{) 2647} \\ \underline{2646} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 5 = 529 \text{ remainder } 2$$

$$\begin{array}{r} 529 \\ 5 \overline{) 2647} \\ \underline{2645} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 7 = 378 \text{ remainder } 1$$

$$\begin{array}{r} 378 \\ 7 \overline{) 2647} \\ \underline{2646} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 11 = 240 \text{ remainder } 7$$

$$\begin{array}{r} 240 \\ 11 \overline{) 2647} \\ \underline{2640} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 13 = 203 \text{ remainder } 8$$

$$\begin{array}{r} 203 \\ 13 \overline{) 2647} \\ \underline{2639} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 17 = 155 \text{ remainder } 12$$

$$\begin{array}{r} 155 \\ 17 \overline{) 2647} \\ \underline{2635} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 19 = 139 \text{ remainder } 6$$

$$\begin{array}{r} 139 \\ 19 \overline{) 2647} \\ \underline{2641} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 23 = 115 \text{ remainder } 2$$

$$\begin{array}{r} 115 \\ 23 \overline{) 2647} \\ \underline{2645} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 29 = 91 \text{ remainder } 8$$

$$\begin{array}{r} 91 \\ 29 \overline{) 2647} \\ \underline{2639} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 31 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 31 \overline{) 2647} \end{array}$$

2635

----

12 ← remainder

$$2647 \div 37 = 71 \text{ remainder } 20$$

$$\begin{array}{r} 71 \\ 37 \overline{) 2647} \\ \underline{2627} \end{array}$$

----

20 ← remainder

$$2647 \div 41 = 64 \text{ remainder } 23$$

$$\begin{array}{r} 64 \\ 41 \overline{) 2647} \\ \underline{2624} \end{array}$$

----

23 ← remainder

$$2647 \div 43 = 61 \text{ remainder } 24$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2647} \\ \underline{2623} \end{array}$$

----

24 ← remainder

$$2647 \div 47 = 56 \text{ remainder } 15$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2647} \\ \underline{2632} \end{array}$$

----

15 ← remainder

## **P<sub>384</sub> 2657**

$$2657 \div 2 = 1328 \text{ remainder } 1$$

$$\begin{array}{r} 1328 \\ 2 \overline{) 2657} \\ \underline{2656} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 3 = 885 \text{ remainder } 2$$

$$\begin{array}{r} 885 \\ 3 \overline{) 2657} \\ \underline{2655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 5 = 531 \text{ remainder } 2$$

$$\begin{array}{r} 531 \\ 5 \overline{) 2657} \\ \underline{2655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 7 = 379 \text{ remainder } 4$$

$$\begin{array}{r} 379 \\ 7 \overline{) 2657} \\ \underline{2653} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 11 = 241 \text{ remainder } 6$$

$$\begin{array}{r} 241 \\ 11 \overline{) 2657} \\ \underline{2651} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 13 = 204 \text{ remainder } 5$$

$$\begin{array}{r} 204 \\ 13 \overline{) 2657} \\ \underline{2652} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 17 = 156 \text{ remainder } 5$$

$$\begin{array}{r} 156 \\ 17 \overline{) 2657} \\ \underline{2652} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 19 = 139 \text{ remainder } 16$$

$$\begin{array}{r} 139 \\ 19 \overline{) 2657} \\ \underline{2641} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 23 = 115 \text{ remainder } 12$$

$$\begin{array}{r} 115 \\ 23 \overline{) 2657} \\ \underline{2645} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 29 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 29 \overline{) 2657} \\ \underline{2639} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 31 = 85 \text{ remainder } 22$$

$$\begin{array}{r} 85 \\ 31 \overline{) 2657} \end{array}$$

$$\begin{array}{r} 2635 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2657 \div 37 = 71 \text{ remainder } 30$$

$$\begin{array}{r} 71 \\ 37 \overline{) 2657} \\ \underline{2627} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2657 \div 41 = 64 \text{ remainder } 33$$

$$\begin{array}{r} 64 \\ 41 \overline{) 2657} \\ \underline{2624} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2657 \div 43 = 61 \text{ remainder } 34$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2657} \\ \underline{2623} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2657 \div 47 = 56 \text{ remainder } 25$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2657} \\ \underline{2632} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$



## **P<sub>385</sub> 2659**

$$2659 \div 2 = 1329 \text{ remainder } 1$$

$$\begin{array}{r} 1329 \\ 2 \overline{) 2659} \\ \underline{2658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 3 = 886 \text{ remainder } 1$$

$$\begin{array}{r} 886 \\ 3 \overline{) 2659} \\ \underline{2658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 5 = 531 \text{ remainder } 4$$

$$\begin{array}{r} 531 \\ 5 \overline{) 2659} \\ \underline{2655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 7 = 379 \text{ remainder } 6$$

$$\begin{array}{r} 379 \\ 7 \overline{) 2659} \\ \underline{2653} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 11 = 241 \text{ remainder } 8$$

$$\begin{array}{r} 241 \\ 11 \overline{) 2659} \\ \underline{2651} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 13 = 204 \text{ remainder } 7$$

$$\begin{array}{r} 204 \\ 13 \overline{) 2659} \\ \underline{2652} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 17 = 156 \text{ remainder } 7$$

$$\begin{array}{r} 156 \\ 17 \overline{) 2659} \\ \underline{2652} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 19 = 139 \text{ remainder } 18$$

$$\begin{array}{r} 139 \\ 19 \overline{) 2659} \\ \underline{2641} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 23 = 115 \text{ remainder } 14$$

$$\begin{array}{r} 115 \\ 23 \overline{) 2659} \\ \underline{2645} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 29 = 91 \text{ remainder } 20$$

$$\begin{array}{r} 91 \\ 29 \overline{) 2659} \\ \underline{2639} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 31 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 31 \overline{) 2659} \end{array}$$

$$\begin{array}{r} 2635 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2659 \div 37 = 71 \text{ remainder } 32$$

$$\begin{array}{r} 71 \\ 37 \overline{) 2659} \\ \underline{2627} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$2659 \div 41 = 64 \text{ remainder } 35$$

$$\begin{array}{r} 64 \\ 41 \overline{) 2659} \\ \underline{2624} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$2659 \div 43 = 61 \text{ remainder } 36$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2659} \\ \underline{2623} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$2659 \div 47 = 56 \text{ remainder } 27$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2659} \\ \underline{2632} \\ 27 \leftarrow \text{remainder} \end{array}$$

## **P<sub>386</sub> 2663**

$$2663 \div 2 = 1331 \text{ remainder } 1$$

$$\begin{array}{r} 1331 \\ 2 \overline{) 2663} \\ \underline{2662} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 3 = 887 \text{ remainder } 2$$

$$\begin{array}{r} 887 \\ 3 \overline{) 2663} \\ \underline{2661} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 5 = 532 \text{ remainder } 3$$

$$\begin{array}{r} 532 \\ 5 \overline{) 2663} \\ \underline{2660} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 7 = 380 \text{ remainder } 3$$

$$\begin{array}{r} 380 \\ 7 \overline{) 2663} \\ \underline{2660} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 11 = 242 \text{ remainder } 1$$

$$\begin{array}{r} 242 \\ 11 \overline{) 2663} \\ \underline{2662} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 13 = 204 \text{ remainder } 11$$

$$\begin{array}{r} 204 \\ 13 \overline{) 2663} \\ \underline{2652} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 17 = 156 \text{ remainder } 11$$

$$\begin{array}{r} 156 \\ 17 \overline{) 2663} \\ \underline{2652} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 19 = 140 \text{ remainder } 3$$

$$\begin{array}{r} 140 \\ 19 \overline{) 2663} \\ \underline{2660} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 23 = 115 \text{ remainder } 18$$

$$\begin{array}{r} 115 \\ 23 \overline{) 2663} \\ \underline{2645} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 29 = 91 \text{ remainder } 24$$

$$\begin{array}{r} 91 \\ 29 \overline{) 2663} \\ \underline{2639} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 31 = 85 \text{ remainder } 28$$

$$\begin{array}{r} 85 \\ 31 \overline{) 2663} \end{array}$$

2635

----

28 ← remainder

$2663 \div 37 = 71 \text{ remainder } 36$

71  
37 |  $\overline{2663}$   
2627

----

36 ← remainder

$2663 \div 41 = 64 \text{ remainder } 39$

64  
41 |  $\overline{2663}$   
2624

----

39 ← remainder

$2663 \div 43 = 61 \text{ remainder } 40$

61  
43 |  $\overline{2663}$   
2623

----

40 ← remainder

$2663 \div 47 = 56 \text{ remainder } 31$

56  
47 |  $\overline{2663}$   
2632

----

31 ← remainder

## **P<sub>387</sub> 2671**

$$2671 \div 2 = 1335 \text{ remainder } 1$$

$$\begin{array}{r} 1335 \\ 2 \overline{) 2671} \\ \underline{2670} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 3 = 890 \text{ remainder } 1$$

$$\begin{array}{r} 890 \\ 3 \overline{) 2671} \\ \underline{2670} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 5 = 534 \text{ remainder } 1$$

$$\begin{array}{r} 534 \\ 5 \overline{) 2671} \\ \underline{2670} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 7 = 381 \text{ remainder } 4$$

$$\begin{array}{r} 381 \\ 7 \overline{) 2671} \\ \underline{2667} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 11 = 242 \text{ remainder } 9$$

$$\begin{array}{r} 242 \\ 11 \overline{) 2671} \\ \underline{2662} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 13 = 205 \text{ remainder } 6$$

$$\begin{array}{r} 205 \\ 13 \overline{) 2671} \\ \underline{2665} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 17 = 157 \text{ remainder } 2$$

$$\begin{array}{r} 157 \\ 17 \overline{) 2671} \\ \underline{2669} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 19 = 140 \text{ remainder } 11$$

$$\begin{array}{r} 140 \\ 19 \overline{) 2671} \\ \underline{2660} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 23 = 116 \text{ remainder } 3$$

$$\begin{array}{r} 116 \\ 23 \overline{) 2671} \\ \underline{2668} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 29 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2671} \\ \underline{2668} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2671 \div 31 = 86 \text{ remainder } 5$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2671} \end{array}$$



$$\begin{array}{r} 2666 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 37 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2671} \\ \underline{2664} \phantom{00} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 41 = 65 \text{ remainder } 6$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2671} \\ \underline{2665} \phantom{00} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 43 = 62 \text{ remainder } 5$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2671} \\ \underline{2666} \phantom{00} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 47 = 56 \text{ remainder } 39$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2671} \\ \underline{2632} \phantom{00} \\ 39 \leftarrow \text{remainder} \end{array}$$

## **P<sub>388</sub> 2677**

$$2677 \div 2 = 1338 \text{ remainder } 1$$

$$\begin{array}{r} 1338 \\ 2 \overline{) 2677} \\ \underline{2676} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 3 = 892 \text{ remainder } 1$$

$$\begin{array}{r} 892 \\ 3 \overline{) 2677} \\ \underline{2676} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 5 = 535 \text{ remainder } 2$$

$$\begin{array}{r} 535 \\ 5 \overline{) 2677} \\ \underline{2675} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 7 = 382 \text{ remainder } 3$$

$$\begin{array}{r} 382 \\ 7 \overline{) 2677} \\ \underline{2674} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 11 = 243 \text{ remainder } 4$$

$$\begin{array}{r} 243 \\ 11 \overline{) 2677} \\ \underline{2673} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 13 = 205 \text{ remainder } 12$$

$$\begin{array}{r} 205 \\ 13 \overline{) 2677} \\ \underline{2665} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 17 = 157 \text{ remainder } 8$$

$$\begin{array}{r} 157 \\ 17 \overline{) 2677} \\ \underline{2669} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 19 = 140 \text{ remainder } 17$$

$$\begin{array}{r} 140 \\ 19 \overline{) 2677} \\ \underline{2660} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 23 = 116 \text{ remainder } 9$$

$$\begin{array}{r} 116 \\ 23 \overline{) 2677} \\ \underline{2668} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 29 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2677} \\ \underline{2668} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2677 \div 31 = 86 \text{ remainder } 11$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2677} \end{array}$$

$$\begin{array}{r} 2666 \\ ---- \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 37 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2677} \\ \underline{2664} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 41 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2677} \\ \underline{2665} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 43 = 62 \text{ remainder } 11$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2677} \\ \underline{2666} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 47 = 56 \text{ remainder } 45$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2677} \\ \underline{2632} \\ 45 \leftarrow \text{remainder} \end{array}$$

## **P<sub>389</sub> 2683**

$$2683 \div 2 = 1341 \text{ remainder } 1$$

$$\begin{array}{r} 1341 \\ 2 \overline{) 2683} \\ \underline{2682} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 3 = 894 \text{ remainder } 1$$

$$\begin{array}{r} 894 \\ 3 \overline{) 2683} \\ \underline{2682} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 5 = 536 \text{ remainder } 3$$

$$\begin{array}{r} 536 \\ 5 \overline{) 2683} \\ \underline{2680} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 7 = 383 \text{ remainder } 2$$

$$\begin{array}{r} 383 \\ 7 \overline{) 2683} \\ \underline{2681} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 11 = 243 \text{ remainder } 10$$

$$\begin{array}{r} 243 \\ 11 \overline{) 2683} \\ \underline{2673} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 13 = 206 \text{ remainder } 5$$

$$\begin{array}{r} 206 \\ 13 \overline{) 2683} \\ \underline{2678} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 17 = 157 \text{ remainder } 14$$

$$\begin{array}{r} 157 \\ 17 \overline{) 2683} \\ \underline{2669} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 19 = 141 \text{ remainder } 4$$

$$\begin{array}{r} 141 \\ 19 \overline{) 2683} \\ \underline{2679} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 23 = 116 \text{ remainder } 15$$

$$\begin{array}{r} 116 \\ 23 \overline{) 2683} \\ \underline{2668} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 29 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2683} \\ \underline{2668} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 31 = 86 \text{ remainder } 17$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2683} \end{array}$$

$$\begin{array}{r} 2666 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 37 = 72 \text{ remainder } 19$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2683} \\ \underline{2664} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 41 = 65 \text{ remainder } 18$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2683} \\ \underline{2665} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 43 = 62 \text{ remainder } 17$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2683} \\ \underline{2666} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 47 = 57 \text{ remainder } 4$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2683} \\ \underline{2679} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

## **P<sub>390</sub> 2687**

$$2687 \div 2 = 1343 \text{ remainder } 1$$

$$\begin{array}{r} 1343 \\ 2 \overline{) 2687} \\ \underline{2686} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 3 = 895 \text{ remainder } 2$$

$$\begin{array}{r} 895 \\ 3 \overline{) 2687} \\ \underline{2685} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 5 = 537 \text{ remainder } 2$$

$$\begin{array}{r} 537 \\ 5 \overline{) 2687} \\ \underline{2685} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 7 = 383 \text{ remainder } 6$$

$$\begin{array}{r} 383 \\ 7 \overline{) 2687} \\ \underline{2681} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 11 = 244 \text{ remainder } 3$$

$$\begin{array}{r} 244 \\ 11 \overline{) 2687} \\ \underline{2684} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$2687 \div 13 = 206 \text{ remainder } 9$$

$$\begin{array}{r} 206 \\ 13 \overline{) 2687} \\ \underline{2678} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 17 = 158 \text{ remainder } 1$$

$$\begin{array}{r} 158 \\ 17 \overline{) 2687} \\ \underline{2686} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 19 = 141 \text{ remainder } 8$$

$$\begin{array}{r} 141 \\ 19 \overline{) 2687} \\ \underline{2679} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 23 = 116 \text{ remainder } 19$$

$$\begin{array}{r} 116 \\ 23 \overline{) 2687} \\ \underline{2668} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 29 = 92 \text{ remainder } 19$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2687} \\ \underline{2668} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 31 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2687} \end{array}$$

$$\begin{array}{r} 2666 \\ ---- \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2687 \div 37 = 72 \text{ remainder } 23$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2687} \\ \underline{2664} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2687 \div 41 = 65 \text{ remainder } 22$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2687} \\ \underline{2665} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2687 \div 43 = 62 \text{ remainder } 21$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2687} \\ \underline{2666} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2687 \div 47 = 57 \text{ remainder } 8$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2687} \\ \underline{2679} \\ 8 \leftarrow \text{remainder} \end{array}$$

## **P<sub>391</sub> 2689**

$$2689 \div 2 = 1344 \text{ remainder } 1$$

$$\begin{array}{r} 1344 \\ 2 \overline{) 2689} \\ \underline{2688} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 3 = 896 \text{ remainder } 1$$

$$\begin{array}{r} 896 \\ 3 \overline{) 2689} \\ \underline{2688} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 5 = 537 \text{ remainder } 4$$

$$\begin{array}{r} 537 \\ 5 \overline{) 2689} \\ \underline{2685} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 7 = 384 \text{ remainder } 1$$

$$\begin{array}{r} 384 \\ 7 \overline{) 2689} \\ \underline{2688} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 11 = 244 \text{ remainder } 5$$

$$\begin{array}{r} 244 \\ 11 \overline{) 2689} \\ \underline{2684} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 13 = 206 \text{ remainder } 11$$

$$\begin{array}{r} 206 \\ 13 \overline{) 2689} \\ \underline{2678} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 17 = 158 \text{ remainder } 3$$

$$\begin{array}{r} 158 \\ 17 \overline{) 2689} \\ \underline{2686} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 19 = 141 \text{ remainder } 10$$

$$\begin{array}{r} 141 \\ 19 \overline{) 2689} \\ \underline{2679} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 23 = 116 \text{ remainder } 21$$

$$\begin{array}{r} 116 \\ 23 \overline{) 2689} \\ \underline{2668} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 29 = 92 \text{ remainder } 21$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2689} \\ \underline{2668} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2689 \div 31 = 86 \text{ remainder } 23$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2689} \end{array}$$

$$\begin{array}{r} 2666 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 37 = 72 \text{ remainder } 25$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2689} \\ \underline{2664} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 41 = 65 \text{ remainder } 24$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2689} \\ \underline{2665} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 43 = 62 \text{ remainder } 23$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2689} \\ \underline{2666} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 47 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2689} \\ \underline{2679} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

## **P<sub>392</sub> 2693**

$$2693 \div 2 = 1346 \text{ remainder } 1$$

$$\begin{array}{r} 1346 \\ 2 \overline{) 2693} \\ \underline{2692} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 3 = 897 \text{ remainder } 2$$

$$\begin{array}{r} 897 \\ 3 \overline{) 2693} \\ \underline{2691} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 5 = 538 \text{ remainder } 3$$

$$\begin{array}{r} 538 \\ 5 \overline{) 2693} \\ \underline{2690} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 7 = 384 \text{ remainder } 5$$

$$\begin{array}{r} 384 \\ 7 \overline{) 2693} \\ \underline{2688} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 11 = 244 \text{ remainder } 9$$

$$\begin{array}{r} 244 \\ 11 \overline{) 2693} \\ \underline{2684} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 13 = 207 \text{ remainder } 2$$

$$\begin{array}{r} 207 \\ 13 \overline{) 2693} \\ \underline{2691} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 17 = 158 \text{ remainder } 7$$

$$\begin{array}{r} 158 \\ 17 \overline{) 2693} \\ \underline{2686} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 19 = 141 \text{ remainder } 14$$

$$\begin{array}{r} 141 \\ 19 \overline{) 2693} \\ \underline{2679} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 23 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 23 \overline{) 2693} \\ \underline{2691} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 29 = 92 \text{ remainder } 25$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2693} \\ \underline{2668} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 31 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2693} \end{array}$$

$$\begin{array}{r} 2666 \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 37 = 72 \text{ remainder } 29$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2693} \\ \underline{2664} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 41 = 65 \text{ remainder } 28$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2693} \\ \underline{2665} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 43 = 62 \text{ remainder } 27$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2693} \\ \underline{2666} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 47 = 57 \text{ remainder } 14$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2693} \\ \underline{2679} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$



## **P<sub>393</sub> 2699**

$$2699 \div 2 = 1349 \text{ remainder } 1$$

$$\begin{array}{r} 1349 \\ 2 \overline{) 2699} \\ \underline{2698} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 3 = 899 \text{ remainder } 2$$

$$\begin{array}{r} 899 \\ 3 \overline{) 2699} \\ \underline{2697} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 5 = 539 \text{ remainder } 4$$

$$\begin{array}{r} 539 \\ 5 \overline{) 2699} \\ \underline{2695} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 7 = 385 \text{ remainder } 4$$

$$\begin{array}{r} 385 \\ 7 \overline{) 2699} \\ \underline{2695} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 11 = 245 \text{ remainder } 4$$

$$\begin{array}{r} 245 \\ 11 \overline{) 2699} \\ \underline{2695} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 13 = 207 \text{ remainder } 8$$

$$\begin{array}{r} 207 \\ 13 \overline{) 2699} \\ \underline{2691} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 17 = 158 \text{ remainder } 13$$

$$\begin{array}{r} 158 \\ 17 \overline{) 2699} \\ \underline{2686} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 19 = 142 \text{ remainder } 1$$

$$\begin{array}{r} 142 \\ 19 \overline{) 2699} \\ \underline{2698} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 23 = 117 \text{ remainder } 8$$

$$\begin{array}{r} 117 \\ 23 \overline{) 2699} \\ \underline{2691} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 29 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 29 \overline{) 2699} \\ \underline{2697} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2699 \div 31 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 31 \overline{) 2699} \end{array}$$

$$\begin{array}{r} 2697 \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 37 = 72 \text{ remainder } 35$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2699} \\ \underline{2664} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 41 = 65 \text{ remainder } 34$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2699} \\ \underline{2665} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 43 = 62 \text{ remainder } 33$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2699} \\ \underline{2666} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 47 = 57 \text{ remainder } 20$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2699} \\ \underline{2679} \\ 20 \leftarrow \text{remainder} \end{array}$$

## **P<sub>394</sub> 2707**

$$2707 \div 2 = 1353 \text{ remainder } 1$$

$$\begin{array}{r} 1353 \\ 2 \overline{) 2707} \\ \underline{2706} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 3 = 902 \text{ remainder } 1$$

$$\begin{array}{r} 902 \\ 3 \overline{) 2707} \\ \underline{2706} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 5 = 541 \text{ remainder } 2$$

$$\begin{array}{r} 541 \\ 5 \overline{) 2707} \\ \underline{2705} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 7 = 386 \text{ remainder } 5$$

$$\begin{array}{r} 386 \\ 7 \overline{) 2707} \\ \underline{2702} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 11 = 246 \text{ remainder } 1$$

$$\begin{array}{r} 246 \\ 11 \overline{) 2707} \\ \underline{2706} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 13 = 208 \text{ remainder } 3$$

$$\begin{array}{r} 208 \\ 13 \overline{) 2707} \\ \underline{2704} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 17 = 159 \text{ remainder } 4$$

$$\begin{array}{r} 159 \\ 17 \overline{) 2707} \\ \underline{2703} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 19 = 142 \text{ remainder } 9$$

$$\begin{array}{r} 142 \\ 19 \overline{) 2707} \\ \underline{2698} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 23 = 117 \text{ remainder } 16$$

$$\begin{array}{r} 117 \\ 23 \overline{) 2707} \\ \underline{2691} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 29 = 93 \text{ remainder } 10$$

$$\begin{array}{r} 93 \\ 29 \overline{) 2707} \\ \underline{2697} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 31 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 31 \overline{) 2707} \end{array}$$

2697

----

10 ← remainder

$2707 \div 37 = 73 \text{ remainder } 6$

73  
37 |  $\overline{2707}$   
2701

----

6 ← remainder

$2707 \div 41 = 66 \text{ remainder } 1$

66  
41 |  $\overline{2707}$   
2706

----

1 ← remainder

$2707 \div 43 = 62 \text{ remainder } 41$

62  
43 |  $\overline{2707}$   
2666

----

41 ← remainder

$2707 \div 47 = 57 \text{ remainder } 28$

57  
47 |  $\overline{2707}$   
2679

----

28 ← remainder

## **P<sub>395</sub> 2711**

$$2711 \div 2 = 1355 \text{ remainder } 1$$

$$\begin{array}{r} 1355 \\ 2 \overline{) 2711} \\ \underline{2710} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 3 = 903 \text{ remainder } 2$$

$$\begin{array}{r} 903 \\ 3 \overline{) 2711} \\ \underline{2709} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 5 = 542 \text{ remainder } 1$$

$$\begin{array}{r} 542 \\ 5 \overline{) 2711} \\ \underline{2710} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 7 = 387 \text{ remainder } 2$$

$$\begin{array}{r} 387 \\ 7 \overline{) 2711} \\ \underline{2709} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 11 = 246 \text{ remainder } 5$$

$$\begin{array}{r} 246 \\ 11 \overline{) 2711} \\ \underline{2706} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 13 = 208 \text{ remainder } 7$$

$$\begin{array}{r} 208 \\ 13 \overline{) 2711} \\ \underline{2704} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 17 = 159 \text{ remainder } 8$$

$$\begin{array}{r} 159 \\ 17 \overline{) 2711} \\ \underline{2703} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 19 = 142 \text{ remainder } 13$$

$$\begin{array}{r} 142 \\ 19 \overline{) 2711} \\ \underline{2698} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 23 = 117 \text{ remainder } 20$$

$$\begin{array}{r} 117 \\ 23 \overline{) 2711} \\ \underline{2691} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 29 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 29 \overline{) 2711} \\ \underline{2697} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2711 \div 31 = 87 \text{ remainder } 14$$

$$\begin{array}{r} 87 \\ 31 \overline{) 2711} \end{array}$$



2697

----

14 ← remainder

$$2711 \div 37 = 73 \text{ remainder } 10$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2711} \\ \underline{2701} \end{array}$$

----

10 ← remainder

$$2711 \div 41 = 66 \text{ remainder } 5$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2711} \\ \underline{2706} \end{array}$$

----

5 ← remainder

$$2711 \div 43 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2711} \\ \underline{2709} \end{array}$$

----

2 ← remainder

$$2711 \div 47 = 57 \text{ remainder } 32$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2711} \\ \underline{2679} \end{array}$$

----

32 ← remainder

## **P<sub>396</sub> 2713**

$$2713 \div 2 = 1356 \text{ remainder } 1$$

$$\begin{array}{r} 1356 \\ 2 \overline{) 2713} \\ \underline{2712} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 3 = 904 \text{ remainder } 1$$

$$\begin{array}{r} 904 \\ 3 \overline{) 2713} \\ \underline{2712} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 5 = 542 \text{ remainder } 3$$

$$\begin{array}{r} 542 \\ 5 \overline{) 2713} \\ \underline{2710} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 7 = 387 \text{ remainder } 4$$

$$\begin{array}{r} 387 \\ 7 \overline{) 2713} \\ \underline{2709} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 11 = 246 \text{ remainder } 7$$

$$\begin{array}{r} 246 \\ 11 \overline{) 2713} \\ \underline{2706} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 13 = 208 \text{ remainder } 9$$

$$\begin{array}{r} 208 \\ 13 \overline{) 2713} \\ \underline{2704} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 17 = 159 \text{ remainder } 10$$

$$\begin{array}{r} 159 \\ 17 \overline{) 2713} \\ \underline{2703} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 19 = 142 \text{ remainder } 15$$

$$\begin{array}{r} 142 \\ 19 \overline{) 2713} \\ \underline{2698} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 23 = 117 \text{ remainder } 22$$

$$\begin{array}{r} 117 \\ 23 \overline{) 2713} \\ \underline{2691} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 29 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 29 \overline{) 2713} \\ \underline{2697} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 31 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 31 \overline{) 2713} \end{array}$$

2697

----

16 ← remainder

$$2713 \div 37 = 73 \text{ remainder } 12$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2713} \\ \underline{2701} \end{array}$$

----

12 ← remainder

$$2713 \div 41 = 66 \text{ remainder } 7$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2713} \\ \underline{2706} \end{array}$$

----

7 ← remainder

$$2713 \div 43 = 63 \text{ remainder } 4$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2713} \\ \underline{2709} \end{array}$$

----

4 ← remainder

$$2713 \div 47 = 57 \text{ remainder } 34$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2713} \\ \underline{2679} \end{array}$$

----

34 ← remainder

## **P<sub>397</sub> 2719**

$$2719 \div 2 = 1359 \text{ remainder } 1$$

$$\begin{array}{r} 1359 \\ 2 \overline{) 2719} \\ \underline{2718} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 3 = 906 \text{ remainder } 1$$

$$\begin{array}{r} 906 \\ 3 \overline{) 2719} \\ \underline{2718} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 5 = 543 \text{ remainder } 4$$

$$\begin{array}{r} 543 \\ 5 \overline{) 2719} \\ \underline{2715} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 7 = 388 \text{ remainder } 3$$

$$\begin{array}{r} 388 \\ 7 \overline{) 2719} \\ \underline{2716} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 11 = 247 \text{ remainder } 2$$

$$\begin{array}{r} 247 \\ 11 \overline{) 2719} \\ \underline{2717} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 13 = 209 \text{ remainder } 2$$

$$\begin{array}{r} 209 \\ 13 \overline{) 2719} \\ \underline{2717} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 17 = 159 \text{ remainder } 16$$

$$\begin{array}{r} 159 \\ 17 \overline{) 2719} \\ \underline{2703} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 19 = 143 \text{ remainder } 2$$

$$\begin{array}{r} 143 \\ 19 \overline{) 2719} \\ \underline{2717} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 23 = 118 \text{ remainder } 5$$

$$\begin{array}{r} 118 \\ 23 \overline{) 2719} \\ \underline{2714} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 29 = 93 \text{ remainder } 22$$

$$\begin{array}{r} 93 \\ 29 \overline{) 2719} \\ \underline{2697} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2719 \div 31 = 87 \text{ remainder } 22$$

$$\begin{array}{r} 87 \\ 31 \overline{) 2719} \end{array}$$

$$\begin{array}{r} 2697 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2719 \div 37 = 73 \text{ remainder } 18$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2719} \\ \underline{2701} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2719 \div 41 = 66 \text{ remainder } 13$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2719} \\ \underline{2706} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2719 \div 43 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2719} \\ \underline{2709} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2719 \div 47 = 57 \text{ remainder } 40$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2719} \\ \underline{2679} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

## **P<sub>398</sub> 2729**

$$2729 \div 2 = 1364 \text{ remainder } 1$$

$$\begin{array}{r} 1364 \\ 2 \overline{) 2729} \\ \underline{2728} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 3 = 909 \text{ remainder } 2$$

$$\begin{array}{r} 909 \\ 3 \overline{) 2729} \\ \underline{2727} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 5 = 545 \text{ remainder } 4$$

$$\begin{array}{r} 545 \\ 5 \overline{) 2729} \\ \underline{2725} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 7 = 389 \text{ remainder } 6$$

$$\begin{array}{r} 389 \\ 7 \overline{) 2729} \\ \underline{2723} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 11 = 248 \text{ remainder } 1$$

$$\begin{array}{r} 248 \\ 11 \overline{) 2729} \\ \underline{2728} \\ 1 \end{array} \leftarrow \text{remainder}$$



$$2729 \div 13 = 209 \text{ remainder } 12$$

$$\begin{array}{r} 209 \\ 13 \overline{) 2729} \\ \underline{2717} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 17 = 160 \text{ remainder } 9$$

$$\begin{array}{r} 160 \\ 17 \overline{) 2729} \\ \underline{2720} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 19 = 143 \text{ remainder } 12$$

$$\begin{array}{r} 143 \\ 19 \overline{) 2729} \\ \underline{2717} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 23 = 118 \text{ remainder } 15$$

$$\begin{array}{r} 118 \\ 23 \overline{) 2729} \\ \underline{2714} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 29 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2729} \\ \underline{2726} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2729 \div 31 = 88 \text{ remainder } 1$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2729} \end{array}$$

2728

----

1 ← remainder

$$2729 \div 37 = 73 \text{ remainder } 28$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2729} \\ \underline{2701} \end{array}$$

----

28 ← remainder

$$2729 \div 41 = 66 \text{ remainder } 23$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2729} \\ \underline{2706} \end{array}$$

----

23 ← remainder

$$2729 \div 43 = 63 \text{ remainder } 20$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2729} \\ \underline{2709} \end{array}$$

----

20 ← remainder

$$2729 \div 47 = 58 \text{ remainder } 3$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2729} \\ \underline{2726} \end{array}$$

----

3 ← remainder

## **P<sub>399</sub> 2731**

$$2731 \div 2 = 1365 \text{ remainder } 1$$

$$\begin{array}{r} 1365 \\ 2 \overline{) 2731} \\ \underline{2730} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 3 = 910 \text{ remainder } 1$$

$$\begin{array}{r} 910 \\ 3 \overline{) 2731} \\ \underline{2730} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 5 = 546 \text{ remainder } 1$$

$$\begin{array}{r} 546 \\ 5 \overline{) 2731} \\ \underline{2730} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 7 = 390 \text{ remainder } 1$$

$$\begin{array}{r} 390 \\ 7 \overline{) 2731} \\ \underline{2730} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 11 = 248 \text{ remainder } 3$$

$$\begin{array}{r} 248 \\ 11 \overline{) 2731} \\ \underline{2728} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 13 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 13 \overline{) 2731} \\ \underline{2730} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 17 = 160 \text{ remainder } 11$$

$$\begin{array}{r} 160 \\ 17 \overline{) 2731} \\ \underline{2720} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 19 = 143 \text{ remainder } 14$$

$$\begin{array}{r} 143 \\ 19 \overline{) 2731} \\ \underline{2717} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 23 = 118 \text{ remainder } 17$$

$$\begin{array}{r} 118 \\ 23 \overline{) 2731} \\ \underline{2714} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 29 = 94 \text{ remainder } 5$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2731} \\ \underline{2726} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2731 \div 31 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2731} \end{array}$$

2728

----

3 ← remainder

$$2731 \div 37 = 73 \text{ remainder } 30$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2731} \\ \underline{2701} \end{array}$$

----

30 ← remainder

$$2731 \div 41 = 66 \text{ remainder } 25$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2731} \\ \underline{2706} \end{array}$$

----

25 ← remainder

$$2731 \div 43 = 63 \text{ remainder } 22$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2731} \\ \underline{2709} \end{array}$$

----

22 ← remainder

$$2731 \div 47 = 58 \text{ remainder } 5$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2731} \\ \underline{2726} \end{array}$$

----

5 ← remainder

## **P<sub>400</sub> 2741**

$$2741 \div 2 = 1370 \text{ remainder } 1$$

$$\begin{array}{r} 1370 \\ 2 \overline{) 2741} \\ \underline{2740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 3 = 913 \text{ remainder } 2$$

$$\begin{array}{r} 913 \\ 3 \overline{) 2741} \\ \underline{2739} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 5 = 548 \text{ remainder } 1$$

$$\begin{array}{r} 548 \\ 5 \overline{) 2741} \\ \underline{2740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 7 = 391 \text{ remainder } 4$$

$$\begin{array}{r} 391 \\ 7 \overline{) 2741} \\ \underline{2737} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 11 = 249 \text{ remainder } 2$$

$$\begin{array}{r} 249 \\ 11 \overline{) 2741} \\ \underline{2739} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 13 = 210 \text{ remainder } 11$$

$$\begin{array}{r} 210 \\ 13 \overline{) 2741} \\ \underline{2730} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 17 = 161 \text{ remainder } 4$$

$$\begin{array}{r} 161 \\ 17 \overline{) 2741} \\ \underline{2737} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 19 = 144 \text{ remainder } 5$$

$$\begin{array}{r} 144 \\ 19 \overline{) 2741} \\ \underline{2736} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 23 = 119 \text{ remainder } 4$$

$$\begin{array}{r} 119 \\ 23 \overline{) 2741} \\ \underline{2737} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 29 = 94 \text{ remainder } 15$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2741} \\ \underline{2726} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2741 \div 31 = 88 \text{ remainder } 13$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2741} \end{array}$$

$$\begin{array}{r} 2728 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2741 \div 37 = 74 \text{ remainder } 3$$

$$\begin{array}{r} 74 \\ 37 \overline{) 2741} \\ \underline{2738} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2741 \div 41 = 66 \text{ remainder } 35$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2741} \\ \underline{2706} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$2741 \div 43 = 63 \text{ remainder } 32$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2741} \\ \underline{2709} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$2741 \div 47 = 58 \text{ remainder } 15$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2741} \\ \underline{2726} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$



## **P<sub>401</sub> 2749**

$$2749 \div 2 = 1374 \text{ remainder } 1$$

$$\begin{array}{r} 1374 \\ 2 \overline{) 2749} \\ \underline{2748} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 3 = 916 \text{ remainder } 1$$

$$\begin{array}{r} 916 \\ 3 \overline{) 2749} \\ \underline{2748} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 5 = 549 \text{ remainder } 4$$

$$\begin{array}{r} 549 \\ 5 \overline{) 2749} \\ \underline{2745} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 7 = 392 \text{ remainder } 5$$

$$\begin{array}{r} 392 \\ 7 \overline{) 2749} \\ \underline{2744} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 11 = 249 \text{ remainder } 10$$

$$\begin{array}{r} 249 \\ 11 \overline{) 2749} \\ \underline{2739} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 13 = 211 \text{ remainder } 6$$

$$\begin{array}{r} 211 \\ 13 \overline{) 2749} \\ \underline{2743} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 17 = 161 \text{ remainder } 12$$

$$\begin{array}{r} 161 \\ 17 \overline{) 2749} \\ \underline{2737} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 19 = 144 \text{ remainder } 13$$

$$\begin{array}{r} 144 \\ 19 \overline{) 2749} \\ \underline{2736} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 23 = 119 \text{ remainder } 12$$

$$\begin{array}{r} 119 \\ 23 \overline{) 2749} \\ \underline{2737} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 29 = 94 \text{ remainder } 23$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2749} \\ \underline{2726} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$2749 \div 31 = 88 \text{ remainder } 21$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2749} \end{array}$$

$$\begin{array}{r} 2728 \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 37 = 74 \text{ remainder } 11$$

$$\begin{array}{r} 74 \\ 37 \overline{) 2749} \\ \underline{2738} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 41 = 67 \text{ remainder } 2$$

$$\begin{array}{r} 67 \\ 41 \overline{) 2749} \\ \underline{2747} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 43 = 63 \text{ remainder } 40$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2749} \\ \underline{2709} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 47 = 58 \text{ remainder } 23$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2749} \\ \underline{2726} \\ 23 \leftarrow \text{remainder} \end{array}$$

## **P<sub>402</sub> 2753**

$$2753 \div 2 = 1376 \text{ remainder } 1$$

$$\begin{array}{r} 1376 \\ 2 \overline{) 2753} \\ \underline{2752} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 3 = 917 \text{ remainder } 2$$

$$\begin{array}{r} 917 \\ 3 \overline{) 2753} \\ \underline{2751} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 5 = 550 \text{ remainder } 3$$

$$\begin{array}{r} 550 \\ 5 \overline{) 2753} \\ \underline{2750} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 7 = 393 \text{ remainder } 2$$

$$\begin{array}{r} 393 \\ 7 \overline{) 2753} \\ \underline{2751} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 11 = 250 \text{ remainder } 3$$

$$\begin{array}{r} 250 \\ 11 \overline{) 2753} \\ \underline{2750} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 13 = 211 \text{ remainder } 10$$

$$\begin{array}{r} 211 \\ 13 \overline{) 2753} \\ \underline{2743} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 17 = 161 \text{ remainder } 16$$

$$\begin{array}{r} 161 \\ 17 \overline{) 2753} \\ \underline{2737} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 19 = 144 \text{ remainder } 17$$

$$\begin{array}{r} 144 \\ 19 \overline{) 2753} \\ \underline{2736} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 23 = 119 \text{ remainder } 16$$

$$\begin{array}{r} 119 \\ 23 \overline{) 2753} \\ \underline{2737} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 29 = 94 \text{ remainder } 27$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2753} \\ \underline{2726} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 31 = 88 \text{ remainder } 25$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2753} \end{array}$$

$$\begin{array}{r} 2728 \\ - - - - \\ 25 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 37 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 37 \overline{) 2753} \\ \underline{2738} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 41 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 41 \overline{) 2753} \\ \underline{2747} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 43 = 64 \text{ remainder } 1$$

$$\begin{array}{r} 64 \\ 43 \overline{) 2753} \\ \underline{2752} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2753 \div 47 = 58 \text{ remainder } 27$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2753} \\ \underline{2726} \\ 27 \end{array} \leftarrow \text{remainder}$$

## **P<sub>403</sub> 2767**

$$2767 \div 2 = 1383 \text{ remainder } 1$$

$$\begin{array}{r} 1383 \\ 2 \overline{) 2767} \\ \underline{2766} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 3 = 922 \text{ remainder } 1$$

$$\begin{array}{r} 922 \\ 3 \overline{) 2767} \\ \underline{2766} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 5 = 553 \text{ remainder } 2$$

$$\begin{array}{r} 553 \\ 5 \overline{) 2767} \\ \underline{2765} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 7 = 395 \text{ remainder } 2$$

$$\begin{array}{r} 395 \\ 7 \overline{) 2767} \\ \underline{2765} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 11 = 251 \text{ remainder } 6$$

$$\begin{array}{r} 251 \\ 11 \overline{) 2767} \\ \underline{2761} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 13 = 212 \text{ remainder } 11$$

$$\begin{array}{r} 212 \\ 13 \overline{) 2767} \\ \underline{2756} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 17 = 162 \text{ remainder } 13$$

$$\begin{array}{r} 162 \\ 17 \overline{) 2767} \\ \underline{2754} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 19 = 145 \text{ remainder } 12$$

$$\begin{array}{r} 145 \\ 19 \overline{) 2767} \\ \underline{2755} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 23 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 23 \overline{) 2767} \\ \underline{2760} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 29 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 29 \overline{) 2767} \\ \underline{2755} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2767 \div 31 = 89 \text{ remainder } 8$$

$$\begin{array}{r} 89 \\ 31 \overline{) 2767} \end{array}$$



2759

----

8 ← remainder

$2767 \div 37 = 74 \text{ remainder } 29$

74  
37 |  $\overline{2767}$   
2738

----

29 ← remainder

$2767 \div 41 = 67 \text{ remainder } 20$

67  
41 |  $\overline{2767}$   
2747

----

20 ← remainder

$2767 \div 43 = 64 \text{ remainder } 15$

64  
43 |  $\overline{2767}$   
2752

----

15 ← remainder

$2767 \div 47 = 58 \text{ remainder } 41$

58  
47 |  $\overline{2767}$   
2726

----

41 ← remainder

## **P<sub>404</sub> 2777**

$$2777 \div 2 = 1388 \text{ remainder } 1$$

$$\begin{array}{r} 1388 \\ 2 \overline{) 2777} \\ \underline{2776} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 3 = 925 \text{ remainder } 2$$

$$\begin{array}{r} 925 \\ 3 \overline{) 2777} \\ \underline{2775} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 5 = 555 \text{ remainder } 2$$

$$\begin{array}{r} 555 \\ 5 \overline{) 2777} \\ \underline{2775} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 7 = 396 \text{ remainder } 5$$

$$\begin{array}{r} 396 \\ 7 \overline{) 2777} \\ \underline{2772} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 11 = 252 \text{ remainder } 5$$

$$\begin{array}{r} 252 \\ 11 \overline{) 2777} \\ \underline{2772} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 13 = 213 \text{ remainder } 8$$

$$\begin{array}{r} 213 \\ 13 \overline{) 2777} \\ \underline{2769} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 17 = 163 \text{ remainder } 6$$

$$\begin{array}{r} 163 \\ 17 \overline{) 2777} \\ \underline{2771} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 19 = 146 \text{ remainder } 3$$

$$\begin{array}{r} 146 \\ 19 \overline{) 2777} \\ \underline{2774} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 23 = 120 \text{ remainder } 17$$

$$\begin{array}{r} 120 \\ 23 \overline{) 2777} \\ \underline{2760} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 29 = 95 \text{ remainder } 22$$

$$\begin{array}{r} 95 \\ 29 \overline{) 2777} \\ \underline{2755} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2777 \div 31 = 89 \text{ remainder } 18$$

$$\begin{array}{r} 89 \\ 31 \overline{) 2777} \end{array}$$

$$\begin{array}{r} 2759 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 37 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 37 \mid \overline{2777} \\ \underline{2775} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 41 = 67 \text{ remainder } 30$$

$$\begin{array}{r} 67 \\ 41 \mid \overline{2777} \\ \underline{2747} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 43 = 64 \text{ remainder } 25$$

$$\begin{array}{r} 64 \\ 43 \mid \overline{2777} \\ \underline{2752} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 47 = 59 \text{ remainder } 4$$

$$\begin{array}{r} 59 \\ 47 \mid \overline{2777} \\ \underline{2773} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

## **P<sub>405</sub> 2789**

$$2789 \div 2 = 1394 \text{ remainder } 1$$

$$\begin{array}{r} 1394 \\ 2 \overline{) 2789} \\ \underline{2788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2789 \div 3 = 929 \text{ remainder } 2$$

$$\begin{array}{r} 929 \\ 3 \overline{) 2789} \\ \underline{2787} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2789 \div 5 = 557 \text{ remainder } 4$$

$$\begin{array}{r} 557 \\ 5 \overline{) 2789} \\ \underline{2785} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2789 \div 7 = 398 \text{ remainder } 3$$

$$\begin{array}{r} 398 \\ 7 \overline{) 2789} \\ \underline{2786} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2789 \div 11 = 253 \text{ remainder } 6$$

$$\begin{array}{r} 253 \\ 11 \overline{) 2789} \\ \underline{2783} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2789 \div 13 = 214 \text{ remainder } 7$$

$$\begin{array}{r} 214 \\ 13 \overline{) 2789} \\ \underline{2782} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2789 \div 17 = 164 \text{ remainder } 1$$

$$\begin{array}{r} 164 \\ 17 \overline{) 2789} \\ \underline{2788} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2789 \div 19 = 146 \text{ remainder } 15$$

$$\begin{array}{r} 146 \\ 19 \overline{) 2789} \\ \underline{2774} \phantom{00} \\ 15 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2789 \div 23 = 121 \text{ remainder } 6$$

$$\begin{array}{r} 121 \\ 23 \overline{) 2789} \\ \underline{2783} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2789 \div 29 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2789} \\ \underline{2784} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$2789 \div 31 = 89 \text{ remainder } 30$$

$$\begin{array}{r} 89 \\ 31 \overline{) 2789} \end{array}$$

2759

----

30 ← remainder

$$2789 \div 37 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2789} \\ \underline{2775} \end{array}$$

----

14 ← remainder

$$2789 \div 41 = 68 \text{ remainder } 1$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2789} \\ \underline{2788} \end{array}$$

----

1 ← remainder

$$2789 \div 43 = 64 \text{ remainder } 37$$

$$\begin{array}{r} 64 \\ 43 \overline{) 2789} \\ \underline{2752} \end{array}$$

----

37 ← remainder

$$2789 \div 47 = 59 \text{ remainder } 16$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2789} \\ \underline{2773} \end{array}$$

----

16 ← remainder

## **P<sub>406</sub> 2791**

$$2791 \div 2 = 1395 \text{ remainder } 1$$

$$\begin{array}{r} 1395 \\ 2 \overline{) 2791} \\ \underline{2790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 3 = 930 \text{ remainder } 1$$

$$\begin{array}{r} 930 \\ 3 \overline{) 2791} \\ \underline{2790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 5 = 558 \text{ remainder } 1$$

$$\begin{array}{r} 558 \\ 5 \overline{) 2791} \\ \underline{2790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 7 = 398 \text{ remainder } 5$$

$$\begin{array}{r} 398 \\ 7 \overline{) 2791} \\ \underline{2786} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 11 = 253 \text{ remainder } 8$$

$$\begin{array}{r} 253 \\ 11 \overline{) 2791} \\ \underline{2783} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$2791 \div 13 = 214 \text{ remainder } 9$$

$$\begin{array}{r} 214 \\ 13 \overline{) 2791} \\ \underline{2782} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 17 = 164 \text{ remainder } 3$$

$$\begin{array}{r} 164 \\ 17 \overline{) 2791} \\ \underline{2788} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 19 = 146 \text{ remainder } 17$$

$$\begin{array}{r} 146 \\ 19 \overline{) 2791} \\ \underline{2774} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 23 = 121 \text{ remainder } 8$$

$$\begin{array}{r} 121 \\ 23 \overline{) 2791} \\ \underline{2783} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 29 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2791} \\ \underline{2784} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2791 \div 31 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 31 \overline{) 2791} \end{array}$$

2790

----

1 ← remainder

$2791 \div 37 = 75$  remainder 16

75  
37 |  $\overline{2791}$   
2775

----

16 ← remainder

$2791 \div 41 = 68$  remainder 3

68  
41 |  $\overline{2791}$   
2788

----

3 ← remainder

$2791 \div 43 = 64$  remainder 39

64  
43 |  $\overline{2791}$   
2752

----

39 ← remainder

$2791 \div 47 = 59$  remainder 18

59  
47 |  $\overline{2791}$   
2773

----

18 ← remainder

## **P<sub>407</sub> 2797**

$$2797 \div 2 = 1398 \text{ remainder } 1$$

$$\begin{array}{r} 1398 \\ 2 \overline{) 2797} \\ \underline{2796} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 3 = 932 \text{ remainder } 1$$

$$\begin{array}{r} 932 \\ 3 \overline{) 2797} \\ \underline{2796} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 5 = 559 \text{ remainder } 2$$

$$\begin{array}{r} 559 \\ 5 \overline{) 2797} \\ \underline{2795} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 7 = 399 \text{ remainder } 4$$

$$\begin{array}{r} 399 \\ 7 \overline{) 2797} \\ \underline{2793} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 11 = 254 \text{ remainder } 3$$

$$\begin{array}{r} 254 \\ 11 \overline{) 2797} \\ \underline{2794} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 13 = 215 \text{ remainder } 2$$

$$\begin{array}{r} 215 \\ 13 \overline{) 2797} \\ \underline{2795} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 17 = 164 \text{ remainder } 9$$

$$\begin{array}{r} 164 \\ 17 \overline{) 2797} \\ \underline{2788} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 19 = 147 \text{ remainder } 4$$

$$\begin{array}{r} 147 \\ 19 \overline{) 2797} \\ \underline{2793} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 23 = 121 \text{ remainder } 14$$

$$\begin{array}{r} 121 \\ 23 \overline{) 2797} \\ \underline{2783} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 29 = 96 \text{ remainder } 13$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2797} \\ \underline{2784} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2797 \div 31 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 31 \overline{) 2797} \end{array}$$

$$\begin{array}{r} 2790 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2797 \div 37 = 75 \text{ remainder } 22$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2797} \\ \underline{2775} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2797 \div 41 = 68 \text{ remainder } 9$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2797} \\ \underline{2788} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2797 \div 43 = 65 \text{ remainder } 2$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2797} \\ \underline{2795} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2797 \div 47 = 59 \text{ remainder } 24$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2797} \\ \underline{2773} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

## **P<sub>408</sub> 2801**

$$2801 \div 2 = 1400 \text{ remainder } 1$$

$$\begin{array}{r} 1400 \\ 2 \overline{) 2801} \\ \underline{2800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 3 = 933 \text{ remainder } 2$$

$$\begin{array}{r} 933 \\ 3 \overline{) 2801} \\ \underline{2799} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 5 = 560 \text{ remainder } 1$$

$$\begin{array}{r} 560 \\ 5 \overline{) 2801} \\ \underline{2800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 7 = 400 \text{ remainder } 1$$

$$\begin{array}{r} 400 \\ 7 \overline{) 2801} \\ \underline{2800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 11 = 254 \text{ remainder } 7$$

$$\begin{array}{r} 254 \\ 11 \overline{) 2801} \\ \underline{2794} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 13 = 215 \text{ remainder } 6$$

$$\begin{array}{r} 215 \\ 13 \overline{) 2801} \\ \underline{2795} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 17 = 164 \text{ remainder } 13$$

$$\begin{array}{r} 164 \\ 17 \overline{) 2801} \\ \underline{2788} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 19 = 147 \text{ remainder } 8$$

$$\begin{array}{r} 147 \\ 19 \overline{) 2801} \\ \underline{2793} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 23 = 121 \text{ remainder } 18$$

$$\begin{array}{r} 121 \\ 23 \overline{) 2801} \\ \underline{2783} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 29 = 96 \text{ remainder } 17$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2801} \\ \underline{2784} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2801 \div 31 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 31 \overline{) 2801} \end{array}$$

2790

----

11 ← remainder

$$2801 \div 37 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2801} \\ \underline{2775} \end{array}$$

----

26 ← remainder

$$2801 \div 41 = 68 \text{ remainder } 13$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2801} \\ \underline{2788} \end{array}$$

----

13 ← remainder

$$2801 \div 43 = 65 \text{ remainder } 6$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2801} \\ \underline{2795} \end{array}$$

----

6 ← remainder

$$2801 \div 47 = 59 \text{ remainder } 28$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2801} \\ \underline{2773} \end{array}$$

----

28 ← remainder



## **P<sub>409</sub> 2803**

$$2803 \div 2 = 1401 \text{ remainder } 1$$

$$\begin{array}{r} 1401 \\ 2 \overline{) 2803} \\ \underline{2802} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 3 = 934 \text{ remainder } 1$$

$$\begin{array}{r} 934 \\ 3 \overline{) 2803} \\ \underline{2802} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 5 = 560 \text{ remainder } 3$$

$$\begin{array}{r} 560 \\ 5 \overline{) 2803} \\ \underline{2800} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 7 = 400 \text{ remainder } 3$$

$$\begin{array}{r} 400 \\ 7 \overline{) 2803} \\ \underline{2800} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 11 = 254 \text{ remainder } 9$$

$$\begin{array}{r} 254 \\ 11 \overline{) 2803} \\ \underline{2794} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 13 = 215 \text{ remainder } 8$$

$$\begin{array}{r} 215 \\ 13 \overline{) 2803} \\ \underline{2795} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 17 = 164 \text{ remainder } 15$$

$$\begin{array}{r} 164 \\ 17 \overline{) 2803} \\ \underline{2788} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 19 = 147 \text{ remainder } 10$$

$$\begin{array}{r} 147 \\ 19 \overline{) 2803} \\ \underline{2793} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 23 = 121 \text{ remainder } 20$$

$$\begin{array}{r} 121 \\ 23 \overline{) 2803} \\ \underline{2783} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 29 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2803} \\ \underline{2784} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2803 \div 31 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 31 \overline{) 2803} \end{array}$$

2790

----

13 ← remainder

$$2803 \div 37 = 75 \text{ remainder } 28$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2803} \\ \underline{2775} \end{array}$$

----

28 ← remainder

$$2803 \div 41 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2803} \\ \underline{2788} \end{array}$$

----

15 ← remainder

$$2803 \div 43 = 65 \text{ remainder } 8$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2803} \\ \underline{2795} \end{array}$$

----

8 ← remainder

$$2803 \div 47 = 59 \text{ remainder } 30$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2803} \\ \underline{2773} \end{array}$$

----

30 ← remainder

## **P<sub>410</sub> 2819**

$$2819 \div 2 = 1409 \text{ remainder } 1$$

$$\begin{array}{r} 1409 \\ 2 \overline{) 2819} \\ \underline{2818} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 3 = 939 \text{ remainder } 2$$

$$\begin{array}{r} 939 \\ 3 \overline{) 2819} \\ \underline{2817} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 5 = 563 \text{ remainder } 4$$

$$\begin{array}{r} 563 \\ 5 \overline{) 2819} \\ \underline{2815} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 7 = 402 \text{ remainder } 5$$

$$\begin{array}{r} 402 \\ 7 \overline{) 2819} \\ \underline{2814} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 11 = 256 \text{ remainder } 3$$

$$\begin{array}{r} 256 \\ 11 \overline{) 2819} \\ \underline{2816} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 13 = 216 \text{ remainder } 11$$

$$\begin{array}{r} 216 \\ 13 \overline{) 2819} \\ \underline{2808} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 17 = 165 \text{ remainder } 14$$

$$\begin{array}{r} 165 \\ 17 \overline{) 2819} \\ \underline{2805} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 19 = 148 \text{ remainder } 7$$

$$\begin{array}{r} 148 \\ 19 \overline{) 2819} \\ \underline{2812} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 23 = 122 \text{ remainder } 13$$

$$\begin{array}{r} 122 \\ 23 \overline{) 2819} \\ \underline{2806} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 29 = 97 \text{ remainder } 6$$

$$\begin{array}{r} 97 \\ 29 \overline{) 2819} \\ \underline{2813} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2819 \div 31 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 31 \overline{) 2819} \end{array}$$

$$\begin{array}{r} 2790 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 37 = 76 \text{ remainder } 7$$

$$\begin{array}{r} 76 \\ 37 \overline{) 2819} \\ \underline{2812} \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 41 = 68 \text{ remainder } 31$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2819} \\ \underline{2788} \\ - - - - \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 43 = 65 \text{ remainder } 24$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2819} \\ \underline{2795} \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 47 = 59 \text{ remainder } 46$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2819} \\ \underline{2773} \\ - - - - \\ 46 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 53 = 53 \text{ remainder } 10$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2819} \\ \underline{2809} \\ - - - - \\ 10 \leftarrow \text{remainder} \end{array}$$

## **P<sub>411</sub> 2833**

$$2833 \div 2 = 1416 \text{ remainder } 1$$

$$\begin{array}{r} 1416 \\ 2 \overline{) 2833} \\ \underline{2832} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 3 = 944 \text{ remainder } 1$$

$$\begin{array}{r} 944 \\ 3 \overline{) 2833} \\ \underline{2832} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 5 = 566 \text{ remainder } 3$$

$$\begin{array}{r} 566 \\ 5 \overline{) 2833} \\ \underline{2830} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 7 = 404 \text{ remainder } 5$$

$$\begin{array}{r} 404 \\ 7 \overline{) 2833} \\ \underline{2828} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 11 = 257 \text{ remainder } 6$$

$$\begin{array}{r} 257 \\ 11 \overline{) 2833} \\ \underline{2827} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 13 = 217 \text{ remainder } 12$$

$$\begin{array}{r} 217 \\ 13 \overline{) 2833} \\ \underline{2821} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 17 = 166 \text{ remainder } 11$$

$$\begin{array}{r} 166 \\ 17 \overline{) 2833} \\ \underline{2822} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 19 = 149 \text{ remainder } 2$$

$$\begin{array}{r} 149 \\ 19 \overline{) 2833} \\ \underline{2831} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 23 = 123 \text{ remainder } 4$$

$$\begin{array}{r} 123 \\ 23 \overline{) 2833} \\ \underline{2829} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 29 = 97 \text{ remainder } 20$$

$$\begin{array}{r} 97 \\ 29 \overline{) 2833} \\ \underline{2813} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2833 \div 31 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 31 \overline{) 2833} \end{array}$$



$$\begin{array}{r} 2821 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2833 \div 37 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 37 \overline{) 2833} \\ \underline{2812} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2833 \div 41 = 69 \text{ remainder } 4$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2833} \\ \underline{2829} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2833 \div 43 = 65 \text{ remainder } 38$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2833} \\ \underline{2795} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$2833 \div 47 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2833} \\ \underline{2820} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2833 \div 53 = 53 \text{ remainder } 24$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2833} \\ \underline{2809} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

## **P<sub>412</sub> 2837**

$$2837 \div 2 = 1418 \text{ remainder } 1$$

$$\begin{array}{r} 1418 \\ 2 \overline{) 2837} \\ \underline{2836} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 3 = 945 \text{ remainder } 2$$

$$\begin{array}{r} 945 \\ 3 \overline{) 2837} \\ \underline{2835} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 5 = 567 \text{ remainder } 2$$

$$\begin{array}{r} 567 \\ 5 \overline{) 2837} \\ \underline{2835} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 7 = 405 \text{ remainder } 2$$

$$\begin{array}{r} 405 \\ 7 \overline{) 2837} \\ \underline{2835} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 11 = 257 \text{ remainder } 10$$

$$\begin{array}{r} 257 \\ 11 \overline{) 2837} \\ \underline{2827} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 13 = 218 \text{ remainder } 3$$

$$\begin{array}{r} 218 \\ 13 \overline{) 2837} \\ \underline{2834} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 17 = 166 \text{ remainder } 15$$

$$\begin{array}{r} 166 \\ 17 \overline{) 2837} \\ \underline{2822} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 19 = 149 \text{ remainder } 6$$

$$\begin{array}{r} 149 \\ 19 \overline{) 2837} \\ \underline{2831} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 23 = 123 \text{ remainder } 8$$

$$\begin{array}{r} 123 \\ 23 \overline{) 2837} \\ \underline{2829} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 29 = 97 \text{ remainder } 24$$

$$\begin{array}{r} 97 \\ 29 \overline{) 2837} \\ \underline{2813} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$2837 \div 31 = 91 \text{ remainder } 16$$

$$\begin{array}{r} 91 \\ 31 \overline{) 2837} \end{array}$$

$$\begin{array}{r} 2821 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 37 = 76 \text{ remainder } 25$$

$$\begin{array}{r} 76 \\ 37 \overline{) 2837} \\ \underline{2812} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 41 = 69 \text{ remainder } 8$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2837} \\ \underline{2829} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 43 = 65 \text{ remainder } 42$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2837} \\ \underline{2795} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 47 = 60 \text{ remainder } 17$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2837} \\ \underline{2820} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 53 = 53 \text{ remainder } 28$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2837} \\ \underline{2809} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

## **P<sub>413</sub> 2843**

$$2843 \div 2 = 1421 \text{ remainder } 1$$

$$\begin{array}{r} 1421 \\ 2 \overline{) 2843} \\ \underline{2842} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2843 \div 3 = 947 \text{ remainder } 2$$

$$\begin{array}{r} 947 \\ 3 \overline{) 2843} \\ \underline{2841} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2843 \div 5 = 568 \text{ remainder } 3$$

$$\begin{array}{r} 568 \\ 5 \overline{) 2843} \\ \underline{2840} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2843 \div 7 = 406 \text{ remainder } 1$$

$$\begin{array}{r} 406 \\ 7 \overline{) 2843} \\ \underline{2842} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2843 \div 11 = 258 \text{ remainder } 5$$

$$\begin{array}{r} 258 \\ 11 \overline{) 2843} \\ \underline{2838} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2843 \div 13 = 218 \text{ remainder } 9$$

$$\begin{array}{r} 218 \\ 13 \overline{) 2843} \\ \underline{2834} \phantom{0} \\ 9 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2843 \div 17 = 167 \text{ remainder } 4$$

$$\begin{array}{r} 167 \\ 17 \overline{) 2843} \\ \underline{2839} \phantom{0} \\ 4 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2843 \div 19 = 149 \text{ remainder } 12$$

$$\begin{array}{r} 149 \\ 19 \overline{) 2843} \\ \underline{2831} \phantom{0} \\ 12 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2843 \div 23 = 123 \text{ remainder } 14$$

$$\begin{array}{r} 123 \\ 23 \overline{) 2843} \\ \underline{2829} \phantom{0} \\ 14 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2843 \div 29 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 29 \overline{) 2843} \\ \underline{2842} \phantom{0} \\ 1 \phantom{0} \leftarrow \text{remainder} \end{array}$$

$$2843 \div 31 = 91 \text{ remainder } 22$$

$$\begin{array}{r} 91 \\ 31 \overline{) 2843} \end{array}$$

$$\begin{array}{r} 2821 \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 37 = 76 \text{ remainder } 31$$

$$\begin{array}{r} 76 \\ 37 \overline{) 2843} \\ \underline{2812} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 41 = 69 \text{ remainder } 14$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2843} \\ \underline{2829} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 43 = 66 \text{ remainder } 5$$

$$\begin{array}{r} 66 \\ 43 \overline{) 2843} \\ \underline{2838} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 47 = 60 \text{ remainder } 23$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2843} \\ \underline{2820} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 53 = 53 \text{ remainder } 34$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2843} \\ \underline{2809} \\ 34 \leftarrow \text{remainder} \end{array}$$

## **P<sub>414</sub> 2851**

$$2851 \div 2 = 1425 \text{ remainder } 1$$

$$\begin{array}{r} 1425 \\ 2 \overline{) 2851} \\ \underline{2850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 3 = 950 \text{ remainder } 1$$

$$\begin{array}{r} 950 \\ 3 \overline{) 2851} \\ \underline{2850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 5 = 570 \text{ remainder } 1$$

$$\begin{array}{r} 570 \\ 5 \overline{) 2851} \\ \underline{2850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 7 = 407 \text{ remainder } 2$$

$$\begin{array}{r} 407 \\ 7 \overline{) 2851} \\ \underline{2849} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 11 = 259 \text{ remainder } 2$$

$$\begin{array}{r} 259 \\ 11 \overline{) 2851} \\ \underline{2849} \\ 2 \end{array} \leftarrow \text{remainder}$$



$$2851 \div 13 = 219 \text{ remainder } 4$$

$$\begin{array}{r} 219 \\ 13 \overline{) 2851} \\ \underline{2847} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 17 = 167 \text{ remainder } 12$$

$$\begin{array}{r} 167 \\ 17 \overline{) 2851} \\ \underline{2839} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 19 = 150 \text{ remainder } 1$$

$$\begin{array}{r} 150 \\ 19 \overline{) 2851} \\ \underline{2850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 23 = 123 \text{ remainder } 22$$

$$\begin{array}{r} 123 \\ 23 \overline{) 2851} \\ \underline{2829} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 29 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 29 \overline{) 2851} \\ \underline{2842} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2851 \div 31 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 31 \overline{) 2851} \end{array}$$

$$\begin{array}{r} 2821 \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 37 = 77 \text{ remainder } 2$$

$$\begin{array}{r} 77 \\ 37 \overline{) 2851} \\ \underline{2849} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 41 = 69 \text{ remainder } 22$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2851} \\ \underline{2829} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 43 = 66 \text{ remainder } 13$$

$$\begin{array}{r} 66 \\ 43 \overline{) 2851} \\ \underline{2838} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 47 = 60 \text{ remainder } 31$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2851} \\ \underline{2820} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 53 = 53 \text{ remainder } 42$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2851} \\ \underline{2809} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

## **P<sub>415</sub> 2857**

$$2857 \div 2 = 1428 \text{ remainder } 1$$

$$\begin{array}{r} 1428 \\ 2 \overline{) 2857} \\ \underline{2856} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 3 = 952 \text{ remainder } 1$$

$$\begin{array}{r} 952 \\ 3 \overline{) 2857} \\ \underline{2856} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 5 = 571 \text{ remainder } 2$$

$$\begin{array}{r} 571 \\ 5 \overline{) 2857} \\ \underline{2855} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 7 = 408 \text{ remainder } 1$$

$$\begin{array}{r} 408 \\ 7 \overline{) 2857} \\ \underline{2856} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 11 = 259 \text{ remainder } 8$$

$$\begin{array}{r} 259 \\ 11 \overline{) 2857} \\ \underline{2849} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 13 = 219 \text{ remainder } 10$$

$$\begin{array}{r} 219 \\ 13 \overline{) 2857} \\ \underline{2847} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 17 = 168 \text{ remainder } 1$$

$$\begin{array}{r} 168 \\ 17 \overline{) 2857} \\ \underline{2856} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 19 = 150 \text{ remainder } 7$$

$$\begin{array}{r} 150 \\ 19 \overline{) 2857} \\ \underline{2850} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 23 = 124 \text{ remainder } 5$$

$$\begin{array}{r} 124 \\ 23 \overline{) 2857} \\ \underline{2852} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 29 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 29 \overline{) 2857} \\ \underline{2842} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2857 \div 31 = 92 \text{ remainder } 5$$

$$\begin{array}{r} 92 \\ 31 \overline{) 2857} \end{array}$$

$$\begin{array}{r} 2852 \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 37 = 77 \text{ remainder } 8$$

$$\begin{array}{r} 77 \\ 37 \overline{) 2857} \\ \underline{2849} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 41 = 69 \text{ remainder } 28$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2857} \\ \underline{2829} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 43 = 66 \text{ remainder } 19$$

$$\begin{array}{r} 66 \\ 43 \overline{) 2857} \\ \underline{2838} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 47 = 60 \text{ remainder } 37$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2857} \\ \underline{2820} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 53 = 53 \text{ remainder } 48$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2857} \\ \underline{2809} \\ \text{----} \\ 48 \leftarrow \text{remainder} \end{array}$$

## **P<sub>416</sub> 2861**

$$2861 \div 2 = 1430 \text{ remainder } 1$$

$$\begin{array}{r} 1430 \\ 2 \overline{) 2861} \\ \underline{2860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 3 = 953 \text{ remainder } 2$$

$$\begin{array}{r} 953 \\ 3 \overline{) 2861} \\ \underline{2859} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 5 = 572 \text{ remainder } 1$$

$$\begin{array}{r} 572 \\ 5 \overline{) 2861} \\ \underline{2860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 7 = 408 \text{ remainder } 5$$

$$\begin{array}{r} 408 \\ 7 \overline{) 2861} \\ \underline{2856} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 11 = 260 \text{ remainder } 1$$

$$\begin{array}{r} 260 \\ 11 \overline{) 2861} \\ \underline{2860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 13 = 220 \text{ remainder } 1$$

$$\begin{array}{r} 220 \\ 13 \overline{) 2861} \\ \underline{2860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 17 = 168 \text{ remainder } 5$$

$$\begin{array}{r} 168 \\ 17 \overline{) 2861} \\ \underline{2856} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 19 = 150 \text{ remainder } 11$$

$$\begin{array}{r} 150 \\ 19 \overline{) 2861} \\ \underline{2850} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 23 = 124 \text{ remainder } 9$$

$$\begin{array}{r} 124 \\ 23 \overline{) 2861} \\ \underline{2852} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 29 = 98 \text{ remainder } 19$$

$$\begin{array}{r} 98 \\ 29 \overline{) 2861} \\ \underline{2842} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2861 \div 31 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 31 \overline{) 2861} \end{array}$$

2852

----

9 ← remainder

$2861 \div 37 = 77 \text{ remainder } 12$

77  
37 |  $\overline{2861}$   
2849

----

12 ← remainder

$2861 \div 41 = 69 \text{ remainder } 32$

69  
41 |  $\overline{2861}$   
2829

----

32 ← remainder

$2861 \div 43 = 66 \text{ remainder } 23$

66  
43 |  $\overline{2861}$   
2838

----

23 ← remainder

$2861 \div 47 = 60 \text{ remainder } 41$

60  
47 |  $\overline{2861}$   
2820

----

41 ← remainder

$2861 \div 53 = 53 \text{ remainder } 52$

53  
53 |  $\overline{2861}$   
2809

----

52 ← remainder



## **P<sub>417</sub> 2879**

$$2879 \div 2 = 1439 \text{ remainder } 1$$

$$\begin{array}{r} 1439 \\ 2 \overline{) 2879} \\ \underline{2878} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 3 = 959 \text{ remainder } 2$$

$$\begin{array}{r} 959 \\ 3 \overline{) 2879} \\ \underline{2877} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 5 = 575 \text{ remainder } 4$$

$$\begin{array}{r} 575 \\ 5 \overline{) 2879} \\ \underline{2875} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 7 = 411 \text{ remainder } 2$$

$$\begin{array}{r} 411 \\ 7 \overline{) 2879} \\ \underline{2877} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 11 = 261 \text{ remainder } 8$$

$$\begin{array}{r} 261 \\ 11 \overline{) 2879} \\ \underline{2871} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 13 = 221 \text{ remainder } 6$$

$$\begin{array}{r} 221 \\ 13 \overline{) 2879} \\ \underline{2873} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 17 = 169 \text{ remainder } 6$$

$$\begin{array}{r} 169 \\ 17 \overline{) 2879} \\ \underline{2873} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 19 = 151 \text{ remainder } 10$$

$$\begin{array}{r} 151 \\ 19 \overline{) 2879} \\ \underline{2869} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 23 = 125 \text{ remainder } 4$$

$$\begin{array}{r} 125 \\ 23 \overline{) 2879} \\ \underline{2875} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 29 = 99 \text{ remainder } 8$$

$$\begin{array}{r} 99 \\ 29 \overline{) 2879} \\ \underline{2871} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2879 \div 31 = 92 \text{ remainder } 27$$

$$\begin{array}{r} 92 \\ 31 \overline{) 2879} \end{array}$$

$$\begin{array}{r} 2852 \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 37 = 77 \text{ remainder } 30$$

$$\begin{array}{r} 77 \\ 37 \overline{) 2879} \\ \underline{2849} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 41 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2879} \\ \underline{2870} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 43 = 66 \text{ remainder } 41$$

$$\begin{array}{r} 66 \\ 43 \overline{) 2879} \\ \underline{2838} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 47 = 61 \text{ remainder } 12$$

$$\begin{array}{r} 61 \\ 47 \overline{) 2879} \\ \underline{2867} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 53 = 54 \text{ remainder } 17$$

$$\begin{array}{r} 54 \\ 53 \overline{) 2879} \\ \underline{2862} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

## **P<sub>418</sub> 2887**

$$2887 \div 2 = 1443 \text{ remainder } 1$$

$$\begin{array}{r} 1443 \\ 2 \overline{) 2887} \\ \underline{2886} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 3 = 962 \text{ remainder } 1$$

$$\begin{array}{r} 962 \\ 3 \overline{) 2887} \\ \underline{2886} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 5 = 577 \text{ remainder } 2$$

$$\begin{array}{r} 577 \\ 5 \overline{) 2887} \\ \underline{2885} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 7 = 412 \text{ remainder } 3$$

$$\begin{array}{r} 412 \\ 7 \overline{) 2887} \\ \underline{2884} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 11 = 262 \text{ remainder } 5$$

$$\begin{array}{r} 262 \\ 11 \overline{) 2887} \\ \underline{2882} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 13 = 222 \text{ remainder } 1$$

$$\begin{array}{r} 222 \\ 13 \overline{) 2887} \\ \underline{2886} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 17 = 169 \text{ remainder } 14$$

$$\begin{array}{r} 169 \\ 17 \overline{) 2887} \\ \underline{2873} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 19 = 151 \text{ remainder } 18$$

$$\begin{array}{r} 151 \\ 19 \overline{) 2887} \\ \underline{2869} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 23 = 125 \text{ remainder } 12$$

$$\begin{array}{r} 125 \\ 23 \overline{) 2887} \\ \underline{2875} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 29 = 99 \text{ remainder } 16$$

$$\begin{array}{r} 99 \\ 29 \overline{) 2887} \\ \underline{2871} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2887 \div 31 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 31 \overline{) 2887} \end{array}$$

2883

----

4 ← remainder

$$2887 \div 37 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 37 \overline{) 2887} \\ \underline{2886} \end{array}$$

----

1 ← remainder

$$2887 \div 41 = 70 \text{ remainder } 17$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2887} \\ \underline{2870} \end{array}$$

----

17 ← remainder

$$2887 \div 43 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 43 \overline{) 2887} \\ \underline{2881} \end{array}$$

----

6 ← remainder

$$2887 \div 47 = 61 \text{ remainder } 20$$

$$\begin{array}{r} 61 \\ 47 \overline{) 2887} \\ \underline{2867} \end{array}$$

----

20 ← remainder

$$2887 \div 53 = 54 \text{ remainder } 25$$

$$\begin{array}{r} 54 \\ 53 \overline{) 2887} \\ \underline{2862} \end{array}$$

----

25 ← remainder

## **P<sub>419</sub> 2897**

$$2897 \div 2 = 1448 \text{ remainder } 1$$

$$\begin{array}{r} 1448 \\ 2 \overline{) 2897} \\ \underline{2896} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 3 = 965 \text{ remainder } 2$$

$$\begin{array}{r} 965 \\ 3 \overline{) 2897} \\ \underline{2895} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 5 = 579 \text{ remainder } 2$$

$$\begin{array}{r} 579 \\ 5 \overline{) 2897} \\ \underline{2895} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 7 = 413 \text{ remainder } 6$$

$$\begin{array}{r} 413 \\ 7 \overline{) 2897} \\ \underline{2891} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 11 = 263 \text{ remainder } 4$$

$$\begin{array}{r} 263 \\ 11 \overline{) 2897} \\ \underline{2893} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 13 = 222 \text{ remainder } 11$$

$$\begin{array}{r} 222 \\ 13 \overline{) 2897} \\ \underline{2886} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 17 = 170 \text{ remainder } 7$$

$$\begin{array}{r} 170 \\ 17 \overline{) 2897} \\ \underline{2890} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 19 = 152 \text{ remainder } 9$$

$$\begin{array}{r} 152 \\ 19 \overline{) 2897} \\ \underline{2888} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 23 = 125 \text{ remainder } 22$$

$$\begin{array}{r} 125 \\ 23 \overline{) 2897} \\ \underline{2875} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 29 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 29 \overline{) 2897} \\ \underline{2871} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$2897 \div 31 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 31 \overline{) 2897} \end{array}$$



$$\begin{array}{r} 2883 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 37 = 78 \text{ remainder } 11$$

$$\begin{array}{r} 78 \\ 37 \overline{) 2897} \\ \underline{2886} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 41 = 70 \text{ remainder } 27$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2897} \\ \underline{2870} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 43 = 67 \text{ remainder } 16$$

$$\begin{array}{r} 67 \\ 43 \overline{) 2897} \\ \underline{2881} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 47 = 61 \text{ remainder } 30$$

$$\begin{array}{r} 61 \\ 47 \overline{) 2897} \\ \underline{2867} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 53 = 54 \text{ remainder } 35$$

$$\begin{array}{r} 54 \\ 53 \overline{) 2897} \\ \underline{2862} \\ 35 \leftarrow \text{remainder} \end{array}$$

## **P<sub>420</sub> 2903**

$$2903 \div 2 = 1451 \text{ remainder } 1$$

$$\begin{array}{r} 1451 \\ 2 \overline{) 2903} \\ \underline{2902} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 3 = 967 \text{ remainder } 2$$

$$\begin{array}{r} 967 \\ 3 \overline{) 2903} \\ \underline{2901} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 5 = 580 \text{ remainder } 3$$

$$\begin{array}{r} 580 \\ 5 \overline{) 2903} \\ \underline{2900} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 7 = 414 \text{ remainder } 5$$

$$\begin{array}{r} 414 \\ 7 \overline{) 2903} \\ \underline{2898} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 11 = 263 \text{ remainder } 10$$

$$\begin{array}{r} 263 \\ 11 \overline{) 2903} \\ \underline{2893} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 13 = 223 \text{ remainder } 4$$

$$\begin{array}{r} 223 \\ 13 \overline{) 2903} \\ \underline{2899} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 17 = 170 \text{ remainder } 13$$

$$\begin{array}{r} 170 \\ 17 \overline{) 2903} \\ \underline{2890} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 19 = 152 \text{ remainder } 15$$

$$\begin{array}{r} 152 \\ 19 \overline{) 2903} \\ \underline{2888} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 23 = 126 \text{ remainder } 5$$

$$\begin{array}{r} 126 \\ 23 \overline{) 2903} \\ \underline{2898} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 29 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 29 \overline{) 2903} \\ \underline{2900} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2903 \div 31 = 93 \text{ remainder } 20$$

$$\begin{array}{r} 93 \\ 31 \overline{) 2903} \end{array}$$

$$\begin{array}{r} 2883 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 37 = 78 \text{ remainder } 17$$

$$\begin{array}{r} 78 \\ 37 \overline{) 2903} \\ \underline{2886} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 41 = 70 \text{ remainder } 33$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2903} \\ \underline{2870} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 43 = 67 \text{ remainder } 22$$

$$\begin{array}{r} 67 \\ 43 \overline{) 2903} \\ \underline{2881} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 47 = 61 \text{ remainder } 36$$

$$\begin{array}{r} 61 \\ 47 \overline{) 2903} \\ \underline{2867} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 53 = 54 \text{ remainder } 41$$

$$\begin{array}{r} 54 \\ 53 \overline{) 2903} \\ \underline{2862} \\ 41 \leftarrow \text{remainder} \end{array}$$

## **P<sub>421</sub> 2909**

$$2909 \div 2 = 1454 \text{ remainder } 1$$

$$\begin{array}{r} 1454 \\ 2 \overline{) 2909} \\ \underline{2908} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 3 = 969 \text{ remainder } 2$$

$$\begin{array}{r} 969 \\ 3 \overline{) 2909} \\ \underline{2907} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 5 = 581 \text{ remainder } 4$$

$$\begin{array}{r} 581 \\ 5 \overline{) 2909} \\ \underline{2905} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 7 = 415 \text{ remainder } 4$$

$$\begin{array}{r} 415 \\ 7 \overline{) 2909} \\ \underline{2905} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 11 = 264 \text{ remainder } 5$$

$$\begin{array}{r} 264 \\ 11 \overline{) 2909} \\ \underline{2904} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 13 = 223 \text{ remainder } 10$$

$$\begin{array}{r} 223 \\ 13 \overline{) 2909} \\ \underline{2899} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 17 = 171 \text{ remainder } 2$$

$$\begin{array}{r} 171 \\ 17 \overline{) 2909} \\ \underline{2907} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 19 = 153 \text{ remainder } 2$$

$$\begin{array}{r} 153 \\ 19 \overline{) 2909} \\ \underline{2907} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 23 = 126 \text{ remainder } 11$$

$$\begin{array}{r} 126 \\ 23 \overline{) 2909} \\ \underline{2898} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 29 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 29 \overline{) 2909} \\ \underline{2900} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2909 \div 31 = 93 \text{ remainder } 26$$

$$\begin{array}{r} 93 \\ 31 \overline{) 2909} \end{array}$$

$$\begin{array}{r} 2883 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 37 = 78 \text{ remainder } 23$$

$$\begin{array}{r} 78 \\ 37 \overline{) 2909} \\ \underline{2886} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 41 = 70 \text{ remainder } 39$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2909} \\ \underline{2870} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 43 = 67 \text{ remainder } 28$$

$$\begin{array}{r} 67 \\ 43 \overline{) 2909} \\ \underline{2881} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 47 = 61 \text{ remainder } 42$$

$$\begin{array}{r} 61 \\ 47 \overline{) 2909} \\ \underline{2867} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 53 = 54 \text{ remainder } 47$$

$$\begin{array}{r} 54 \\ 53 \overline{) 2909} \\ \underline{2862} \\ 47 \leftarrow \text{remainder} \end{array}$$

## **P<sub>422</sub> 2917**

$$2917 \div 2 = 1458 \text{ remainder } 1$$

$$\begin{array}{r} 1458 \\ 2 \overline{) 2917} \\ \underline{2916} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 3 = 972 \text{ remainder } 1$$

$$\begin{array}{r} 972 \\ 3 \overline{) 2917} \\ \underline{2916} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 5 = 583 \text{ remainder } 2$$

$$\begin{array}{r} 583 \\ 5 \overline{) 2917} \\ \underline{2915} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 7 = 416 \text{ remainder } 5$$

$$\begin{array}{r} 416 \\ 7 \overline{) 2917} \\ \underline{2912} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 11 = 265 \text{ remainder } 2$$

$$\begin{array}{r} 265 \\ 11 \overline{) 2917} \\ \underline{2915} \\ 2 \end{array} \leftarrow \text{remainder}$$



$$2917 \div 13 = 224 \text{ remainder } 5$$

$$\begin{array}{r} 224 \\ 13 \overline{) 2917} \\ \underline{2912} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 17 = 171 \text{ remainder } 10$$

$$\begin{array}{r} 171 \\ 17 \overline{) 2917} \\ \underline{2907} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 19 = 153 \text{ remainder } 10$$

$$\begin{array}{r} 153 \\ 19 \overline{) 2917} \\ \underline{2907} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 23 = 126 \text{ remainder } 19$$

$$\begin{array}{r} 126 \\ 23 \overline{) 2917} \\ \underline{2898} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 29 = 100 \text{ remainder } 17$$

$$\begin{array}{r} 100 \\ 29 \overline{) 2917} \\ \underline{2900} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2917 \div 31 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 31 \overline{) 2917} \end{array}$$

$$\begin{array}{r} 2914 \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2917 \div 37 = 78 \text{ remainder } 31$$

$$\begin{array}{r} 78 \\ 37 \overline{) 2917} \\ \underline{2886} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2917 \div 41 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 41 \overline{) 2917} \\ \underline{2911} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2917 \div 43 = 67 \text{ remainder } 36$$

$$\begin{array}{r} 67 \\ 43 \overline{) 2917} \\ \underline{2881} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$2917 \div 47 = 62 \text{ remainder } 3$$

$$\begin{array}{r} 62 \\ 47 \overline{) 2917} \\ \underline{2914} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2917 \div 53 = 55 \text{ remainder } 2$$

$$\begin{array}{r} 55 \\ 53 \overline{) 2917} \\ \underline{2915} \\ 2 \leftarrow \text{remainder} \end{array}$$

## **P<sub>423</sub> 2927**

$$2927 \div 2 = 1463 \text{ remainder } 1$$

$$\begin{array}{r} 1463 \\ 2 \overline{) 2927} \\ \underline{2926} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 3 = 975 \text{ remainder } 2$$

$$\begin{array}{r} 975 \\ 3 \overline{) 2927} \\ \underline{2925} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 5 = 585 \text{ remainder } 2$$

$$\begin{array}{r} 585 \\ 5 \overline{) 2927} \\ \underline{2925} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 7 = 418 \text{ remainder } 1$$

$$\begin{array}{r} 418 \\ 7 \overline{) 2927} \\ \underline{2926} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 11 = 266 \text{ remainder } 1$$

$$\begin{array}{r} 266 \\ 11 \overline{) 2927} \\ \underline{2926} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 13 = 225 \text{ remainder } 2$$

$$\begin{array}{r} 225 \\ 13 \overline{) 2927} \\ \underline{2925} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 17 = 172 \text{ remainder } 3$$

$$\begin{array}{r} 172 \\ 17 \overline{) 2927} \\ \underline{2924} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 19 = 154 \text{ remainder } 1$$

$$\begin{array}{r} 154 \\ 19 \overline{) 2927} \\ \underline{2926} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 23 = 127 \text{ remainder } 6$$

$$\begin{array}{r} 127 \\ 23 \overline{) 2927} \\ \underline{2921} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 29 = 100 \text{ remainder } 27$$

$$\begin{array}{r} 100 \\ 29 \overline{) 2927} \\ \underline{2900} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$2927 \div 31 = 94 \text{ remainder } 13$$

$$\begin{array}{r} 94 \\ 31 \overline{) 2927} \end{array}$$

$$\begin{array}{r} 2914 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2927 \div 37 = 79 \text{ remainder } 4$$

$$\begin{array}{r} 79 \\ 37 \overline{) 2927} \\ \underline{2923} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2927 \div 41 = 71 \text{ remainder } 16$$

$$\begin{array}{r} 71 \\ 41 \overline{) 2927} \\ \underline{2911} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2927 \div 43 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 43 \overline{) 2927} \\ \underline{2924} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2927 \div 47 = 62 \text{ remainder } 13$$

$$\begin{array}{r} 62 \\ 47 \overline{) 2927} \\ \underline{2914} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2927 \div 53 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 53 \overline{) 2927} \\ \underline{2915} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

## **P<sub>424</sub> 2939**

$$2939 \div 2 = 1469 \text{ remainder } 1$$

$$\begin{array}{r} 1469 \\ 2 \overline{) 2939} \\ \underline{2938} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 3 = 979 \text{ remainder } 2$$

$$\begin{array}{r} 979 \\ 3 \overline{) 2939} \\ \underline{2937} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 5 = 587 \text{ remainder } 4$$

$$\begin{array}{r} 587 \\ 5 \overline{) 2939} \\ \underline{2935} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 7 = 419 \text{ remainder } 6$$

$$\begin{array}{r} 419 \\ 7 \overline{) 2939} \\ \underline{2933} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 11 = 267 \text{ remainder } 2$$

$$\begin{array}{r} 267 \\ 11 \overline{) 2939} \\ \underline{2937} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 13 = 226 \text{ remainder } 1$$

$$\begin{array}{r} 226 \\ 13 \overline{) 2939} \\ \underline{2938} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 17 = 172 \text{ remainder } 15$$

$$\begin{array}{r} 172 \\ 17 \overline{) 2939} \\ \underline{2924} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 19 = 154 \text{ remainder } 13$$

$$\begin{array}{r} 154 \\ 19 \overline{) 2939} \\ \underline{2926} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 23 = 127 \text{ remainder } 18$$

$$\begin{array}{r} 127 \\ 23 \overline{) 2939} \\ \underline{2921} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 29 = 101 \text{ remainder } 10$$

$$\begin{array}{r} 101 \\ 29 \overline{) 2939} \\ \underline{2929} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2939 \div 31 = 94 \text{ remainder } 25$$

$$\begin{array}{r} 94 \\ 31 \overline{) 2939} \end{array}$$

$$\begin{array}{r} 2914 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2939 \div 37 = 79 \text{ remainder } 16$$

$$\begin{array}{r} 79 \\ 37 \overline{) 2939} \\ \underline{2923} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2939 \div 41 = 71 \text{ remainder } 28$$

$$\begin{array}{r} 71 \\ 41 \overline{) 2939} \\ \underline{2911} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2939 \div 43 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 43 \overline{) 2939} \\ \underline{2924} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2939 \div 47 = 62 \text{ remainder } 25$$

$$\begin{array}{r} 62 \\ 47 \overline{) 2939} \\ \underline{2914} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2939 \div 53 = 55 \text{ remainder } 24$$

$$\begin{array}{r} 55 \\ 53 \overline{) 2939} \\ \underline{2915} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$



## **P<sub>425</sub> 2953**

$$2953 \div 2 = 1476 \text{ remainder } 1$$

$$\begin{array}{r} 1476 \\ 2 \overline{) 2953} \\ \underline{2952} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 3 = 984 \text{ remainder } 1$$

$$\begin{array}{r} 984 \\ 3 \overline{) 2953} \\ \underline{2952} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 5 = 590 \text{ remainder } 3$$

$$\begin{array}{r} 590 \\ 5 \overline{) 2953} \\ \underline{2950} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 7 = 421 \text{ remainder } 6$$

$$\begin{array}{r} 421 \\ 7 \overline{) 2953} \\ \underline{2947} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 11 = 268 \text{ remainder } 5$$

$$\begin{array}{r} 268 \\ 11 \overline{) 2953} \\ \underline{2948} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 13 = 227 \text{ remainder } 2$$

$$\begin{array}{r} 227 \\ 13 \overline{) 2953} \\ \underline{2951} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 17 = 173 \text{ remainder } 12$$

$$\begin{array}{r} 173 \\ 17 \overline{) 2953} \\ \underline{2941} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 19 = 155 \text{ remainder } 8$$

$$\begin{array}{r} 155 \\ 19 \overline{) 2953} \\ \underline{2945} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 23 = 128 \text{ remainder } 9$$

$$\begin{array}{r} 128 \\ 23 \overline{) 2953} \\ \underline{2944} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 29 = 101 \text{ remainder } 24$$

$$\begin{array}{r} 101 \\ 29 \overline{) 2953} \\ \underline{2929} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$2953 \div 31 = 95 \text{ remainder } 8$$

$$\begin{array}{r} 95 \\ 31 \overline{) 2953} \end{array}$$

2945

----

8 ← remainder

$$2953 \div 37 = 79 \text{ remainder } 30$$

$$\begin{array}{r} 79 \\ 37 \overline{) 2953} \\ \underline{2923} \end{array}$$

----

30 ← remainder

$$2953 \div 41 = 72 \text{ remainder } 1$$

$$\begin{array}{r} 72 \\ 41 \overline{) 2953} \\ \underline{2952} \end{array}$$

----

1 ← remainder

$$2953 \div 43 = 68 \text{ remainder } 29$$

$$\begin{array}{r} 68 \\ 43 \overline{) 2953} \\ \underline{2924} \end{array}$$

----

29 ← remainder

$$2953 \div 47 = 62 \text{ remainder } 39$$

$$\begin{array}{r} 62 \\ 47 \overline{) 2953} \\ \underline{2914} \end{array}$$

----

39 ← remainder

$$2953 \div 53 = 55 \text{ remainder } 38$$

$$\begin{array}{r} 55 \\ 53 \overline{) 2953} \\ \underline{2915} \end{array}$$

----

38 ← remainder

## **P<sub>426</sub> 2957**

$$2957 \div 2 = 1478 \text{ remainder } 1$$

$$\begin{array}{r} 1478 \\ 2 \overline{) 2957} \\ \underline{2956} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 3 = 985 \text{ remainder } 2$$

$$\begin{array}{r} 985 \\ 3 \overline{) 2957} \\ \underline{2955} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 5 = 591 \text{ remainder } 2$$

$$\begin{array}{r} 591 \\ 5 \overline{) 2957} \\ \underline{2955} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 7 = 422 \text{ remainder } 3$$

$$\begin{array}{r} 422 \\ 7 \overline{) 2957} \\ \underline{2954} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 11 = 268 \text{ remainder } 9$$

$$\begin{array}{r} 268 \\ 11 \overline{) 2957} \\ \underline{2948} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 13 = 227 \text{ remainder } 6$$

$$\begin{array}{r} 227 \\ 13 \overline{) 2957} \\ \underline{2951} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 17 = 173 \text{ remainder } 16$$

$$\begin{array}{r} 173 \\ 17 \overline{) 2957} \\ \underline{2941} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 19 = 155 \text{ remainder } 12$$

$$\begin{array}{r} 155 \\ 19 \overline{) 2957} \\ \underline{2945} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 23 = 128 \text{ remainder } 13$$

$$\begin{array}{r} 128 \\ 23 \overline{) 2957} \\ \underline{2944} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 29 = 101 \text{ remainder } 28$$

$$\begin{array}{r} 101 \\ 29 \overline{) 2957} \\ \underline{2929} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2957 \div 31 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 31 \overline{) 2957} \end{array}$$

$$\begin{array}{r} 2945 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2957 \div 37 = 79 \text{ remainder } 34$$

$$\begin{array}{r} 79 \\ 37 \overline{) 2957} \\ \underline{2923} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2957 \div 41 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 41 \overline{) 2957} \\ \underline{2952} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2957 \div 43 = 68 \text{ remainder } 33$$

$$\begin{array}{r} 68 \\ 43 \overline{) 2957} \\ \underline{2924} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2957 \div 47 = 62 \text{ remainder } 43$$

$$\begin{array}{r} 62 \\ 47 \overline{) 2957} \\ \underline{2914} \\ \text{----} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$2957 \div 53 = 55 \text{ remainder } 42$$

$$\begin{array}{r} 55 \\ 53 \overline{) 2957} \\ \underline{2915} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

## **P<sub>427</sub> 2963**

$$2963 \div 2 = 1481 \text{ remainder } 1$$

$$\begin{array}{r} 1481 \\ 2 \overline{) 2963} \\ \underline{2962} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 3 = 987 \text{ remainder } 2$$

$$\begin{array}{r} 987 \\ 3 \overline{) 2963} \\ \underline{2961} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 5 = 592 \text{ remainder } 3$$

$$\begin{array}{r} 592 \\ 5 \overline{) 2963} \\ \underline{2960} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 7 = 423 \text{ remainder } 2$$

$$\begin{array}{r} 423 \\ 7 \overline{) 2963} \\ \underline{2961} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 11 = 269 \text{ remainder } 4$$

$$\begin{array}{r} 269 \\ 11 \overline{) 2963} \\ \underline{2959} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 13 = 227 \text{ remainder } 12$$

$$\begin{array}{r} 227 \\ 13 \overline{) 2963} \\ \underline{2951} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 17 = 174 \text{ remainder } 5$$

$$\begin{array}{r} 174 \\ 17 \overline{) 2963} \\ \underline{2958} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 19 = 155 \text{ remainder } 18$$

$$\begin{array}{r} 155 \\ 19 \overline{) 2963} \\ \underline{2945} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 23 = 128 \text{ remainder } 19$$

$$\begin{array}{r} 128 \\ 23 \overline{) 2963} \\ \underline{2944} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 29 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 29 \overline{) 2963} \\ \underline{2958} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 31 = 95 \text{ remainder } 18$$

$$\begin{array}{r} 95 \\ 31 \overline{) 2963} \end{array}$$



$$\begin{array}{r} 2945 \\ - - - - \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 37 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 37 \overline{) 2963} \\ \underline{2960} \\ - - - - \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 41 = 72 \text{ remainder } 11$$

$$\begin{array}{r} 72 \\ 41 \overline{) 2963} \\ \underline{2952} \\ - - - - \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 43 = 68 \text{ remainder } 39$$

$$\begin{array}{r} 68 \\ 43 \overline{) 2963} \\ \underline{2924} \\ - - - - \\ 39 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 47 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 47 \overline{) 2963} \\ \underline{2961} \\ - - - - \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2963 \div 53 = 55 \text{ remainder } 48$$

$$\begin{array}{r} 55 \\ 53 \overline{) 2963} \\ \underline{2915} \\ - - - - \\ 48 \end{array} \leftarrow \text{remainder}$$

## **P<sub>428</sub> 2969**

$$2969 \div 2 = 1484 \text{ remainder } 1$$

$$\begin{array}{r} 1484 \\ 2 \overline{) 2969} \\ \underline{2968} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 3 = 989 \text{ remainder } 2$$

$$\begin{array}{r} 989 \\ 3 \overline{) 2969} \\ \underline{2967} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 5 = 593 \text{ remainder } 4$$

$$\begin{array}{r} 593 \\ 5 \overline{) 2969} \\ \underline{2965} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 7 = 424 \text{ remainder } 1$$

$$\begin{array}{r} 424 \\ 7 \overline{) 2969} \\ \underline{2968} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 11 = 269 \text{ remainder } 10$$

$$\begin{array}{r} 269 \\ 11 \overline{) 2969} \\ \underline{2959} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 13 = 228 \text{ remainder } 5$$

$$\begin{array}{r} 228 \\ 13 \overline{) 2969} \\ \underline{2964} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 17 = 174 \text{ remainder } 11$$

$$\begin{array}{r} 174 \\ 17 \overline{) 2969} \\ \underline{2958} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 19 = 156 \text{ remainder } 5$$

$$\begin{array}{r} 156 \\ 19 \overline{) 2969} \\ \underline{2964} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 23 = 129 \text{ remainder } 2$$

$$\begin{array}{r} 129 \\ 23 \overline{) 2969} \\ \underline{2967} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 29 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 29 \overline{) 2969} \\ \underline{2958} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$2969 \div 31 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 31 \overline{) 2969} \end{array}$$

$$\begin{array}{r} 2945 \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2969 \div 37 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 37 \overline{) 2969} \\ \underline{2960} \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2969 \div 41 = 72 \text{ remainder } 17$$

$$\begin{array}{r} 72 \\ 41 \overline{) 2969} \\ \underline{2952} \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2969 \div 43 = 69 \text{ remainder } 2$$

$$\begin{array}{r} 69 \\ 43 \overline{) 2969} \\ \underline{2967} \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2969 \div 47 = 63 \text{ remainder } 8$$

$$\begin{array}{r} 63 \\ 47 \overline{) 2969} \\ \underline{2961} \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2969 \div 53 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 53 \overline{) 2969} \\ \underline{2968} \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

## **P<sub>429</sub> 2971**

$$2971 \div 2 = 1485 \text{ remainder } 1$$

$$\begin{array}{r} 1485 \\ 2 \overline{) 2971} \\ \underline{2970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 3 = 990 \text{ remainder } 1$$

$$\begin{array}{r} 990 \\ 3 \overline{) 2971} \\ \underline{2970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 5 = 594 \text{ remainder } 1$$

$$\begin{array}{r} 594 \\ 5 \overline{) 2971} \\ \underline{2970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 7 = 424 \text{ remainder } 3$$

$$\begin{array}{r} 424 \\ 7 \overline{) 2971} \\ \underline{2968} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 11 = 270 \text{ remainder } 1$$

$$\begin{array}{r} 270 \\ 11 \overline{) 2971} \\ \underline{2970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 13 = 228 \text{ remainder } 7$$

$$\begin{array}{r} 228 \\ 13 \overline{) 2971} \\ \underline{2964} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 17 = 174 \text{ remainder } 13$$

$$\begin{array}{r} 174 \\ 17 \overline{) 2971} \\ \underline{2958} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 19 = 156 \text{ remainder } 7$$

$$\begin{array}{r} 156 \\ 19 \overline{) 2971} \\ \underline{2964} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 23 = 129 \text{ remainder } 4$$

$$\begin{array}{r} 129 \\ 23 \overline{) 2971} \\ \underline{2967} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 29 = 102 \text{ remainder } 13$$

$$\begin{array}{r} 102 \\ 29 \overline{) 2971} \\ \underline{2958} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$2971 \div 31 = 95 \text{ remainder } 26$$

$$\begin{array}{r} 95 \\ 31 \overline{) 2971} \end{array}$$

$$\begin{array}{r} 2945 \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2971 \div 37 = 80 \text{ remainder } 11$$

$$\begin{array}{r} 80 \\ 37 \overline{) 2971} \\ \underline{2960} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2971 \div 41 = 72 \text{ remainder } 19$$

$$\begin{array}{r} 72 \\ 41 \overline{) 2971} \\ \underline{2952} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2971 \div 43 = 69 \text{ remainder } 4$$

$$\begin{array}{r} 69 \\ 43 \overline{) 2971} \\ \underline{2967} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2971 \div 47 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 47 \overline{) 2971} \\ \underline{2961} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2971 \div 53 = 56 \text{ remainder } 3$$

$$\begin{array}{r} 56 \\ 53 \overline{) 2971} \\ \underline{2968} \\ 3 \leftarrow \text{remainder} \end{array}$$

## **P<sub>430</sub> 2999**

$$2999 \div 2 = 1499 \text{ remainder } 1$$

$$\begin{array}{r} 1499 \\ 2 \overline{) 2999} \\ \underline{2998} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 3 = 999 \text{ remainder } 2$$

$$\begin{array}{r} 999 \\ 3 \overline{) 2999} \\ \underline{2997} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 5 = 599 \text{ remainder } 4$$

$$\begin{array}{r} 599 \\ 5 \overline{) 2999} \\ \underline{2995} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 7 = 428 \text{ remainder } 3$$

$$\begin{array}{r} 428 \\ 7 \overline{) 2999} \\ \underline{2996} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 11 = 272 \text{ remainder } 7$$

$$\begin{array}{r} 272 \\ 11 \overline{) 2999} \\ \underline{2992} \\ 7 \end{array} \leftarrow \text{remainder}$$



$$2999 \div 13 = 230 \text{ remainder } 9$$

$$\begin{array}{r} 230 \\ 13 \overline{) 2999} \\ \underline{2990} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 17 = 176 \text{ remainder } 7$$

$$\begin{array}{r} 176 \\ 17 \overline{) 2999} \\ \underline{2992} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 19 = 157 \text{ remainder } 16$$

$$\begin{array}{r} 157 \\ 19 \overline{) 2999} \\ \underline{2983} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 23 = 130 \text{ remainder } 9$$

$$\begin{array}{r} 130 \\ 23 \overline{) 2999} \\ \underline{2990} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 29 = 103 \text{ remainder } 12$$

$$\begin{array}{r} 103 \\ 29 \overline{) 2999} \\ \underline{2987} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2999 \div 31 = 96 \text{ remainder } 23$$

$$\begin{array}{r} 96 \\ 31 \overline{) 2999} \end{array}$$

$$\begin{array}{r} 2976 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2999 \div 37 = 81 \text{ remainder } 2$$

$$\begin{array}{r} 81 \\ 37 \overline{) 2999} \\ \underline{2997} \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2999 \div 41 = 73 \text{ remainder } 6$$

$$\begin{array}{r} 73 \\ 41 \overline{) 2999} \\ \underline{2993} \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2999 \div 43 = 69 \text{ remainder } 32$$

$$\begin{array}{r} 69 \\ 43 \overline{) 2999} \\ \underline{2967} \\ - - - - \\ 32 \leftarrow \text{remainder} \end{array}$$

$$2999 \div 47 = 63 \text{ remainder } 38$$

$$\begin{array}{r} 63 \\ 47 \overline{) 2999} \\ \underline{2961} \\ - - - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$2999 \div 53 = 56 \text{ remainder } 31$$

$$\begin{array}{r} 56 \\ 53 \overline{) 2999} \\ \underline{2968} \\ - - - - \\ 31 \leftarrow \text{remainder} \end{array}$$

## **P<sub>431</sub> 3001**

$$3001 \div 2 = 1500 \text{ remainder } 1$$

$$\begin{array}{r} 1500 \\ 2 \overline{) 3001} \\ \underline{3000} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 3 = 1000 \text{ remainder } 1$$

$$\begin{array}{r} 1000 \\ 3 \overline{) 3001} \\ \underline{3000} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 5 = 600 \text{ remainder } 1$$

$$\begin{array}{r} 600 \\ 5 \overline{) 3001} \\ \underline{3000} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 7 = 428 \text{ remainder } 5$$

$$\begin{array}{r} 428 \\ 7 \overline{) 3001} \\ \underline{2996} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 11 = 272 \text{ remainder } 9$$

$$\begin{array}{r} 272 \\ 11 \overline{) 3001} \\ \underline{2992} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 13 = 230 \text{ remainder } 11$$

$$\begin{array}{r} 230 \\ 13 \overline{) 3001} \\ \underline{2990} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 17 = 176 \text{ remainder } 9$$

$$\begin{array}{r} 176 \\ 17 \overline{) 3001} \\ \underline{2992} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 19 = 157 \text{ remainder } 18$$

$$\begin{array}{r} 157 \\ 19 \overline{) 3001} \\ \underline{2983} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 23 = 130 \text{ remainder } 11$$

$$\begin{array}{r} 130 \\ 23 \overline{) 3001} \\ \underline{2990} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 29 = 103 \text{ remainder } 14$$

$$\begin{array}{r} 103 \\ 29 \overline{) 3001} \\ \underline{2987} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3001 \div 31 = 96 \text{ remainder } 25$$

$$\begin{array}{r} 96 \\ 31 \overline{) 3001} \end{array}$$

$$\begin{array}{r} 2976 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3001 \div 37 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 37 \overline{) 3001} \\ \underline{2997} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3001 \div 41 = 73 \text{ remainder } 8$$

$$\begin{array}{r} 73 \\ 41 \overline{) 3001} \\ \underline{2993} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3001 \div 43 = 69 \text{ remainder } 34$$

$$\begin{array}{r} 69 \\ 43 \overline{) 3001} \\ \underline{2967} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3001 \div 47 = 63 \text{ remainder } 40$$

$$\begin{array}{r} 63 \\ 47 \overline{) 3001} \\ \underline{2961} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$3001 \div 53 = 56 \text{ remainder } 33$$

$$\begin{array}{r} 56 \\ 53 \overline{) 3001} \\ \underline{2968} \\ 33 \leftarrow \text{remainder} \end{array}$$

## **P<sub>432</sub> 3011**

$$3011 \div 2 = 1505 \text{ remainder } 1$$

$$\begin{array}{r} 1505 \\ 2 \overline{) 3011} \\ \underline{3010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 3 = 1003 \text{ remainder } 2$$

$$\begin{array}{r} 1003 \\ 3 \overline{) 3011} \\ \underline{3009} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 5 = 602 \text{ remainder } 1$$

$$\begin{array}{r} 602 \\ 5 \overline{) 3011} \\ \underline{3010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 7 = 430 \text{ remainder } 1$$

$$\begin{array}{r} 430 \\ 7 \overline{) 3011} \\ \underline{3010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 11 = 273 \text{ remainder } 8$$

$$\begin{array}{r} 273 \\ 11 \overline{) 3011} \\ \underline{3003} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 13 = 231 \text{ remainder } 8$$

$$\begin{array}{r} 231 \\ 13 \overline{) 3011} \\ \underline{3003} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 17 = 177 \text{ remainder } 2$$

$$\begin{array}{r} 177 \\ 17 \overline{) 3011} \\ \underline{3009} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 19 = 158 \text{ remainder } 9$$

$$\begin{array}{r} 158 \\ 19 \overline{) 3011} \\ \underline{3002} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 23 = 130 \text{ remainder } 21$$

$$\begin{array}{r} 130 \\ 23 \overline{) 3011} \\ \underline{2990} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 29 = 103 \text{ remainder } 24$$

$$\begin{array}{r} 103 \\ 29 \overline{) 3011} \\ \underline{2987} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$3011 \div 31 = 97 \text{ remainder } 4$$

$$\begin{array}{r} 97 \\ 31 \overline{) 3011} \end{array}$$

3007

----

4 ← remainder

$3011 \div 37 = 81 \text{ remainder } 14$

81  
37 |  $\overline{3011}$   
2997

----

14 ← remainder

$3011 \div 41 = 73 \text{ remainder } 18$

73  
41 |  $\overline{3011}$   
2993

----

18 ← remainder

$3011 \div 43 = 70 \text{ remainder } 1$

70  
43 |  $\overline{3011}$   
3010

----

1 ← remainder

$3011 \div 47 = 64 \text{ remainder } 3$

64  
47 |  $\overline{3011}$   
3008

----

3 ← remainder

$3011 \div 53 = 56 \text{ remainder } 43$

56  
53 |  $\overline{3011}$   
2968

----

43 ← remainder



## **P<sub>433</sub> 3019**

$$3019 \div 2 = 1509 \text{ remainder } 1$$

$$\begin{array}{r} 1509 \\ 2 \overline{) 3019} \\ \underline{3018} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 3 = 1006 \text{ remainder } 1$$

$$\begin{array}{r} 1006 \\ 3 \overline{) 3019} \\ \underline{3018} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 5 = 603 \text{ remainder } 4$$

$$\begin{array}{r} 603 \\ 5 \overline{) 3019} \\ \underline{3015} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 7 = 431 \text{ remainder } 2$$

$$\begin{array}{r} 431 \\ 7 \overline{) 3019} \\ \underline{3017} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 11 = 274 \text{ remainder } 5$$

$$\begin{array}{r} 274 \\ 11 \overline{) 3019} \\ \underline{3014} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 13 = 232 \text{ remainder } 3$$

$$\begin{array}{r} 232 \\ 13 \overline{) 3019} \\ \underline{3016} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 17 = 177 \text{ remainder } 10$$

$$\begin{array}{r} 177 \\ 17 \overline{) 3019} \\ \underline{3009} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 19 = 158 \text{ remainder } 17$$

$$\begin{array}{r} 158 \\ 19 \overline{) 3019} \\ \underline{3002} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 23 = 131 \text{ remainder } 6$$

$$\begin{array}{r} 131 \\ 23 \overline{) 3019} \\ \underline{3013} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 29 = 104 \text{ remainder } 3$$

$$\begin{array}{r} 104 \\ 29 \overline{) 3019} \\ \underline{3016} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3019 \div 31 = 97 \text{ remainder } 12$$

$$\begin{array}{r} 97 \\ 31 \overline{) 3019} \end{array}$$

$$\begin{array}{r} 3007 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3019 \div 37 = 81 \text{ remainder } 22$$

$$\begin{array}{r} 81 \\ 37 \overline{) 3019} \\ \underline{2997} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3019 \div 41 = 73 \text{ remainder } 26$$

$$\begin{array}{r} 73 \\ 41 \overline{) 3019} \\ \underline{2993} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3019 \div 43 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 43 \overline{) 3019} \\ \underline{3010} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3019 \div 47 = 64 \text{ remainder } 11$$

$$\begin{array}{r} 64 \\ 47 \overline{) 3019} \\ \underline{3008} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3019 \div 53 = 56 \text{ remainder } 51$$

$$\begin{array}{r} 56 \\ 53 \overline{) 3019} \\ \underline{2968} \\ \text{----} \\ 51 \leftarrow \text{remainder} \end{array}$$

## **P<sub>434</sub> 3023**

$$3023 \div 2 = 1511 \text{ remainder } 1$$

$$\begin{array}{r} 1511 \\ 2 \overline{) 3023} \\ \underline{3022} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 3 = 1007 \text{ remainder } 2$$

$$\begin{array}{r} 1007 \\ 3 \overline{) 3023} \\ \underline{3021} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 5 = 604 \text{ remainder } 3$$

$$\begin{array}{r} 604 \\ 5 \overline{) 3023} \\ \underline{3020} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 7 = 431 \text{ remainder } 6$$

$$\begin{array}{r} 431 \\ 7 \overline{) 3023} \\ \underline{3017} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 11 = 274 \text{ remainder } 9$$

$$\begin{array}{r} 274 \\ 11 \overline{) 3023} \\ \underline{3014} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 13 = 232 \text{ remainder } 7$$

$$\begin{array}{r} 232 \\ 13 \overline{) 3023} \\ \underline{3016} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 17 = 177 \text{ remainder } 14$$

$$\begin{array}{r} 177 \\ 17 \overline{) 3023} \\ \underline{3009} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 19 = 159 \text{ remainder } 2$$

$$\begin{array}{r} 159 \\ 19 \overline{) 3023} \\ \underline{3021} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 23 = 131 \text{ remainder } 10$$

$$\begin{array}{r} 131 \\ 23 \overline{) 3023} \\ \underline{3013} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 29 = 104 \text{ remainder } 7$$

$$\begin{array}{r} 104 \\ 29 \overline{) 3023} \\ \underline{3016} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3023 \div 31 = 97 \text{ remainder } 16$$

$$\begin{array}{r} 97 \\ 31 \overline{) 3023} \end{array}$$

$$\begin{array}{r} 3007 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3023 \div 37 = 81 \text{ remainder } 26$$

$$\begin{array}{r} 81 \\ 37 \overline{) 3023} \\ \underline{2997} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3023 \div 41 = 73 \text{ remainder } 30$$

$$\begin{array}{r} 73 \\ 41 \overline{) 3023} \\ \underline{2993} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3023 \div 43 = 70 \text{ remainder } 13$$

$$\begin{array}{r} 70 \\ 43 \overline{) 3023} \\ \underline{3010} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3023 \div 47 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 47 \overline{) 3023} \\ \underline{3008} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3023 \div 53 = 57 \text{ remainder } 2$$

$$\begin{array}{r} 57 \\ 53 \overline{) 3023} \\ \underline{3021} \\ 2 \leftarrow \text{remainder} \end{array}$$

## **P<sub>435</sub> 3037**

$$3037 \div 2 = 1518 \text{ remainder } 1$$

$$\begin{array}{r} 1518 \\ 2 \overline{) 3037} \\ \underline{3036} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 3 = 1012 \text{ remainder } 1$$

$$\begin{array}{r} 1012 \\ 3 \overline{) 3037} \\ \underline{3036} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 5 = 607 \text{ remainder } 2$$

$$\begin{array}{r} 607 \\ 5 \overline{) 3037} \\ \underline{3035} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 7 = 433 \text{ remainder } 6$$

$$\begin{array}{r} 433 \\ 7 \overline{) 3037} \\ \underline{3031} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 11 = 276 \text{ remainder } 1$$

$$\begin{array}{r} 276 \\ 11 \overline{) 3037} \\ \underline{3036} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 13 = 233 \text{ remainder } 8$$

$$\begin{array}{r} 233 \\ 13 \overline{) 3037} \\ \underline{3029} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 17 = 178 \text{ remainder } 11$$

$$\begin{array}{r} 178 \\ 17 \overline{) 3037} \\ \underline{3026} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 19 = 159 \text{ remainder } 16$$

$$\begin{array}{r} 159 \\ 19 \overline{) 3037} \\ \underline{3021} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 23 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 23 \overline{) 3037} \\ \underline{3036} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 29 = 104 \text{ remainder } 21$$

$$\begin{array}{r} 104 \\ 29 \overline{) 3037} \\ \underline{3016} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3037 \div 31 = 97 \text{ remainder } 30$$

$$\begin{array}{r} 97 \\ 31 \overline{) 3037} \end{array}$$



$$\begin{array}{r} 3007 \\ ---- \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3037 \div 37 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 37 \overline{) 3037} \\ \underline{3034} \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3037 \div 41 = 74 \text{ remainder } 3$$

$$\begin{array}{r} 74 \\ 41 \overline{) 3037} \\ \underline{3034} \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3037 \div 43 = 70 \text{ remainder } 27$$

$$\begin{array}{r} 70 \\ 43 \overline{) 3037} \\ \underline{3010} \\ ---- \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3037 \div 47 = 64 \text{ remainder } 29$$

$$\begin{array}{r} 64 \\ 47 \overline{) 3037} \\ \underline{3008} \\ ---- \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3037 \div 53 = 57 \text{ remainder } 16$$

$$\begin{array}{r} 57 \\ 53 \overline{) 3037} \\ \underline{3021} \\ ---- \\ 16 \leftarrow \text{remainder} \end{array}$$

## **P<sub>436</sub> 3041**

$$3041 \div 2 = 1520 \text{ remainder } 1$$

$$\begin{array}{r} 1520 \\ 2 \overline{) 3041} \\ \underline{3040} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 3 = 1013 \text{ remainder } 2$$

$$\begin{array}{r} 1013 \\ 3 \overline{) 3041} \\ \underline{3039} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 5 = 608 \text{ remainder } 1$$

$$\begin{array}{r} 608 \\ 5 \overline{) 3041} \\ \underline{3040} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 7 = 434 \text{ remainder } 3$$

$$\begin{array}{r} 434 \\ 7 \overline{) 3041} \\ \underline{3038} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 11 = 276 \text{ remainder } 5$$

$$\begin{array}{r} 276 \\ 11 \overline{) 3041} \\ \underline{3036} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 13 = 233 \text{ remainder } 12$$

$$\begin{array}{r} 233 \\ 13 \overline{) 3041} \\ \underline{3029} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 17 = 178 \text{ remainder } 15$$

$$\begin{array}{r} 178 \\ 17 \overline{) 3041} \\ \underline{3026} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 19 = 160 \text{ remainder } 1$$

$$\begin{array}{r} 160 \\ 19 \overline{) 3041} \\ \underline{3040} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 23 = 132 \text{ remainder } 5$$

$$\begin{array}{r} 132 \\ 23 \overline{) 3041} \\ \underline{3036} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 29 = 104 \text{ remainder } 25$$

$$\begin{array}{r} 104 \\ 29 \overline{) 3041} \\ \underline{3016} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$3041 \div 31 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 31 \overline{) 3041} \end{array}$$

$$\begin{array}{r} 3038 \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3041 \div 37 = 82 \text{ remainder } 7$$

$$\begin{array}{r} 82 \\ 37 \overline{) 3041} \\ \underline{3034} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3041 \div 41 = 74 \text{ remainder } 7$$

$$\begin{array}{r} 74 \\ 41 \overline{) 3041} \\ \underline{3034} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3041 \div 43 = 70 \text{ remainder } 31$$

$$\begin{array}{r} 70 \\ 43 \overline{) 3041} \\ \underline{3010} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3041 \div 47 = 64 \text{ remainder } 33$$

$$\begin{array}{r} 64 \\ 47 \overline{) 3041} \\ \underline{3008} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3041 \div 53 = 57 \text{ remainder } 20$$

$$\begin{array}{r} 57 \\ 53 \overline{) 3041} \\ \underline{3021} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

## **P<sub>437</sub> 3049**

$$3049 \div 2 = 1524 \text{ remainder } 1$$

$$\begin{array}{r} 1524 \\ 2 \overline{) 3049} \\ \underline{3048} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 3 = 1016 \text{ remainder } 1$$

$$\begin{array}{r} 1016 \\ 3 \overline{) 3049} \\ \underline{3048} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 5 = 609 \text{ remainder } 4$$

$$\begin{array}{r} 609 \\ 5 \overline{) 3049} \\ \underline{3045} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 7 = 435 \text{ remainder } 4$$

$$\begin{array}{r} 435 \\ 7 \overline{) 3049} \\ \underline{3045} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 11 = 277 \text{ remainder } 2$$

$$\begin{array}{r} 277 \\ 11 \overline{) 3049} \\ \underline{3047} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 13 = 234 \text{ remainder } 7$$

$$\begin{array}{r} 234 \\ 13 \overline{) 3049} \\ \underline{3042} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 17 = 179 \text{ remainder } 6$$

$$\begin{array}{r} 179 \\ 17 \overline{) 3049} \\ \underline{3043} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 19 = 160 \text{ remainder } 9$$

$$\begin{array}{r} 160 \\ 19 \overline{) 3049} \\ \underline{3040} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 23 = 132 \text{ remainder } 13$$

$$\begin{array}{r} 132 \\ 23 \overline{) 3049} \\ \underline{3036} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 29 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 29 \overline{) 3049} \\ \underline{3045} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3049 \div 31 = 98 \text{ remainder } 11$$

$$\begin{array}{r} 98 \\ 31 \overline{) 3049} \end{array}$$

$$\begin{array}{r} 3038 \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3049 \div 37 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 37 \overline{) 3049} \\ \underline{3034} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3049 \div 41 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 41 \overline{) 3049} \\ \underline{3034} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3049 \div 43 = 70 \text{ remainder } 39$$

$$\begin{array}{r} 70 \\ 43 \overline{) 3049} \\ \underline{3010} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$3049 \div 47 = 64 \text{ remainder } 41$$

$$\begin{array}{r} 64 \\ 47 \overline{) 3049} \\ \underline{3008} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$3049 \div 53 = 57 \text{ remainder } 28$$

$$\begin{array}{r} 57 \\ 53 \overline{) 3049} \\ \underline{3021} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

## **P<sub>438</sub> 3061**

$$3061 \div 2 = 1530 \text{ remainder } 1$$

$$\begin{array}{r} 1530 \\ 2 \overline{) 3061} \\ \underline{3060} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 3 = 1020 \text{ remainder } 1$$

$$\begin{array}{r} 1020 \\ 3 \overline{) 3061} \\ \underline{3060} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 5 = 612 \text{ remainder } 1$$

$$\begin{array}{r} 612 \\ 5 \overline{) 3061} \\ \underline{3060} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 7 = 437 \text{ remainder } 2$$

$$\begin{array}{r} 437 \\ 7 \overline{) 3061} \\ \underline{3059} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 11 = 278 \text{ remainder } 3$$

$$\begin{array}{r} 278 \\ 11 \overline{) 3061} \\ \underline{3058} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$3061 \div 13 = 235 \text{ remainder } 6$$

$$\begin{array}{r} 235 \\ 13 \overline{) 3061} \\ \underline{3055} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 17 = 180 \text{ remainder } 1$$

$$\begin{array}{r} 180 \\ 17 \overline{) 3061} \\ \underline{3060} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 19 = 161 \text{ remainder } 2$$

$$\begin{array}{r} 161 \\ 19 \overline{) 3061} \\ \underline{3059} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 23 = 133 \text{ remainder } 2$$

$$\begin{array}{r} 133 \\ 23 \overline{) 3061} \\ \underline{3059} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 29 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 29 \overline{) 3061} \\ \underline{3045} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3061 \div 31 = 98 \text{ remainder } 23$$

$$\begin{array}{r} 98 \\ 31 \overline{) 3061} \end{array}$$

$$\begin{array}{r} 3038 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3061 \div 37 = 82 \text{ remainder } 27$$

$$\begin{array}{r} 82 \\ 37 \overline{) 3061} \\ \underline{3034} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3061 \div 41 = 74 \text{ remainder } 27$$

$$\begin{array}{r} 74 \\ 41 \overline{) 3061} \\ \underline{3034} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3061 \div 43 = 71 \text{ remainder } 8$$

$$\begin{array}{r} 71 \\ 43 \overline{) 3061} \\ \underline{3053} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3061 \div 47 = 65 \text{ remainder } 6$$

$$\begin{array}{r} 65 \\ 47 \overline{) 3061} \\ \underline{3055} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3061 \div 53 = 57 \text{ remainder } 40$$

$$\begin{array}{r} 57 \\ 53 \overline{) 3061} \\ \underline{3021} \\ 40 \leftarrow \text{remainder} \end{array}$$

## **P<sub>439</sub> 3067**

$$3067 \div 2 = 1533 \text{ remainder } 1$$

$$\begin{array}{r} 1533 \\ 2 \overline{) 3067} \\ \underline{3066} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 3 = 1022 \text{ remainder } 1$$

$$\begin{array}{r} 1022 \\ 3 \overline{) 3067} \\ \underline{3066} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 5 = 613 \text{ remainder } 2$$

$$\begin{array}{r} 613 \\ 5 \overline{) 3067} \\ \underline{3065} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 7 = 438 \text{ remainder } 1$$

$$\begin{array}{r} 438 \\ 7 \overline{) 3067} \\ \underline{3066} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 11 = 278 \text{ remainder } 9$$

$$\begin{array}{r} 278 \\ 11 \overline{) 3067} \\ \underline{3058} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 13 = 235 \text{ remainder } 12$$

$$\begin{array}{r} 235 \\ 13 \overline{) 3067} \\ \underline{3055} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 17 = 180 \text{ remainder } 7$$

$$\begin{array}{r} 180 \\ 17 \overline{) 3067} \\ \underline{3060} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 19 = 161 \text{ remainder } 8$$

$$\begin{array}{r} 161 \\ 19 \overline{) 3067} \\ \underline{3059} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 23 = 133 \text{ remainder } 8$$

$$\begin{array}{r} 133 \\ 23 \overline{) 3067} \\ \underline{3059} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 29 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 29 \overline{) 3067} \\ \underline{3045} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$3067 \div 31 = 98 \text{ remainder } 29$$

$$\begin{array}{r} 98 \\ 31 \overline{) 3067} \end{array}$$

$$\begin{array}{r} 3038 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3067 \div 37 = 82 \text{ remainder } 33$$

$$\begin{array}{r} 82 \\ 37 \overline{) 3067} \\ \underline{3034} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3067 \div 41 = 74 \text{ remainder } 33$$

$$\begin{array}{r} 74 \\ 41 \overline{) 3067} \\ \underline{3034} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3067 \div 43 = 71 \text{ remainder } 14$$

$$\begin{array}{r} 71 \\ 43 \overline{) 3067} \\ \underline{3053} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3067 \div 47 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 47 \overline{) 3067} \\ \underline{3055} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3067 \div 53 = 57 \text{ remainder } 46$$

$$\begin{array}{r} 57 \\ 53 \overline{) 3067} \\ \underline{3021} \\ \text{----} \\ 46 \leftarrow \text{remainder} \end{array}$$

## **P<sub>440</sub> 3079**

$$3079 \div 2 = 1539 \text{ remainder } 1$$

$$\begin{array}{r} 1539 \\ 2 \overline{) 3079} \\ \underline{3078} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 3 = 1026 \text{ remainder } 1$$

$$\begin{array}{r} 1026 \\ 3 \overline{) 3079} \\ \underline{3078} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 5 = 615 \text{ remainder } 4$$

$$\begin{array}{r} 615 \\ 5 \overline{) 3079} \\ \underline{3075} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 7 = 439 \text{ remainder } 6$$

$$\begin{array}{r} 439 \\ 7 \overline{) 3079} \\ \underline{3073} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 11 = 279 \text{ remainder } 10$$

$$\begin{array}{r} 279 \\ 11 \overline{) 3079} \\ \underline{3069} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 13 = 236 \text{ remainder } 11$$

$$\begin{array}{r} 236 \\ 13 \overline{) 3079} \\ \underline{3068} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 17 = 181 \text{ remainder } 2$$

$$\begin{array}{r} 181 \\ 17 \overline{) 3079} \\ \underline{3077} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 19 = 162 \text{ remainder } 1$$

$$\begin{array}{r} 162 \\ 19 \overline{) 3079} \\ \underline{3078} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 23 = 133 \text{ remainder } 20$$

$$\begin{array}{r} 133 \\ 23 \overline{) 3079} \\ \underline{3059} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 29 = 106 \text{ remainder } 5$$

$$\begin{array}{r} 106 \\ 29 \overline{) 3079} \\ \underline{3074} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3079 \div 31 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 31 \overline{) 3079} \end{array}$$

$$\begin{array}{r} 3069 \\ - - - - \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3079 \div 37 = 83 \text{ remainder } 8$$

$$\begin{array}{r} 83 \\ 37 \overline{) 3079} \\ \underline{3071} \phantom{00} \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3079 \div 41 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 41 \overline{) 3079} \\ \underline{3075} \phantom{00} \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3079 \div 43 = 71 \text{ remainder } 26$$

$$\begin{array}{r} 71 \\ 43 \overline{) 3079} \\ \underline{3053} \phantom{00} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3079 \div 47 = 65 \text{ remainder } 24$$

$$\begin{array}{r} 65 \\ 47 \overline{) 3079} \\ \underline{3055} \phantom{00} \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3079 \div 53 = 58 \text{ remainder } 5$$

$$\begin{array}{r} 58 \\ 53 \overline{) 3079} \\ \underline{3074} \phantom{00} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$



## **P<sub>441</sub> 3083**

$$3083 \div 2 = 1541 \text{ remainder } 1$$

$$\begin{array}{r} 1541 \\ 2 \overline{) 3083} \\ \underline{3082} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 3 = 1027 \text{ remainder } 2$$

$$\begin{array}{r} 1027 \\ 3 \overline{) 3083} \\ \underline{3081} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 5 = 616 \text{ remainder } 3$$

$$\begin{array}{r} 616 \\ 5 \overline{) 3083} \\ \underline{3080} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 7 = 440 \text{ remainder } 3$$

$$\begin{array}{r} 440 \\ 7 \overline{) 3083} \\ \underline{3080} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 11 = 280 \text{ remainder } 3$$

$$\begin{array}{r} 280 \\ 11 \overline{) 3083} \\ \underline{3080} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 13 = 237 \text{ remainder } 2$$

$$\begin{array}{r} 237 \\ 13 \overline{) 3083} \\ \underline{3081} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 17 = 181 \text{ remainder } 6$$

$$\begin{array}{r} 181 \\ 17 \overline{) 3083} \\ \underline{3077} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 19 = 162 \text{ remainder } 5$$

$$\begin{array}{r} 162 \\ 19 \overline{) 3083} \\ \underline{3078} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 23 = 134 \text{ remainder } 1$$

$$\begin{array}{r} 134 \\ 23 \overline{) 3083} \\ \underline{3082} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 29 = 106 \text{ remainder } 9$$

$$\begin{array}{r} 106 \\ 29 \overline{) 3083} \\ \underline{3074} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3083 \div 31 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 31 \overline{) 3083} \end{array}$$

3069

----

14 ← remainder

$$3083 \div 37 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 37 \overline{) 3083} \\ \underline{3071} \end{array}$$

----

12 ← remainder

$$3083 \div 41 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 41 \overline{) 3083} \\ \underline{3075} \end{array}$$

----

8 ← remainder

$$3083 \div 43 = 71 \text{ remainder } 30$$

$$\begin{array}{r} 71 \\ 43 \overline{) 3083} \\ \underline{3053} \end{array}$$

----

30 ← remainder

$$3083 \div 47 = 65 \text{ remainder } 28$$

$$\begin{array}{r} 65 \\ 47 \overline{) 3083} \\ \underline{3055} \end{array}$$

----

28 ← remainder

$$3083 \div 53 = 58 \text{ remainder } 9$$

$$\begin{array}{r} 58 \\ 53 \overline{) 3083} \\ \underline{3074} \end{array}$$

----

9 ← remainder

## **P<sub>442</sub> 3089**

$$3089 \div 2 = 1544 \text{ remainder } 1$$

$$\begin{array}{r} 1544 \\ 2 \overline{) 3089} \\ \underline{3088} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3089 \div 3 = 1029 \text{ remainder } 2$$

$$\begin{array}{r} 1029 \\ 3 \overline{) 3089} \\ \underline{3087} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3089 \div 5 = 617 \text{ remainder } 4$$

$$\begin{array}{r} 617 \\ 5 \overline{) 3089} \\ \underline{3085} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3089 \div 7 = 441 \text{ remainder } 2$$

$$\begin{array}{r} 441 \\ 7 \overline{) 3089} \\ \underline{3087} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3089 \div 11 = 280 \text{ remainder } 9$$

$$\begin{array}{r} 280 \\ 11 \overline{) 3089} \\ \underline{3080} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3089 \div 13 = 237 \text{ remainder } 8$$

$$\begin{array}{r} 237 \\ 13 \overline{) 3089} \\ \underline{3081} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3089 \div 17 = 181 \text{ remainder } 12$$

$$\begin{array}{r} 181 \\ 17 \overline{) 3089} \\ \underline{3077} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3089 \div 19 = 162 \text{ remainder } 11$$

$$\begin{array}{r} 162 \\ 19 \overline{) 3089} \\ \underline{3078} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3089 \div 23 = 134 \text{ remainder } 7$$

$$\begin{array}{r} 134 \\ 23 \overline{) 3089} \\ \underline{3082} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3089 \div 29 = 106 \text{ remainder } 15$$

$$\begin{array}{r} 106 \\ 29 \overline{) 3089} \\ \underline{3074} \phantom{00} \\ 15 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3089 \div 31 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 31 \overline{) 3089} \end{array}$$

$$\begin{array}{r} 3069 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3089 \div 37 = 83 \text{ remainder } 18$$

$$\begin{array}{r} 83 \\ 37 \overline{) 3089} \\ \underline{3071} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3089 \div 41 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 41 \overline{) 3089} \\ \underline{3075} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3089 \div 43 = 71 \text{ remainder } 36$$

$$\begin{array}{r} 71 \\ 43 \overline{) 3089} \\ \underline{3053} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3089 \div 47 = 65 \text{ remainder } 34$$

$$\begin{array}{r} 65 \\ 47 \overline{) 3089} \\ \underline{3055} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3089 \div 53 = 58 \text{ remainder } 15$$

$$\begin{array}{r} 58 \\ 53 \overline{) 3089} \\ \underline{3074} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

## **P<sub>443</sub> 3109**

$$3109 \div 2 = 1554 \text{ remainder } 1$$

$$\begin{array}{r} 1554 \\ 2 \overline{) 3109} \\ \underline{3108} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 3 = 1036 \text{ remainder } 1$$

$$\begin{array}{r} 1036 \\ 3 \overline{) 3109} \\ \underline{3108} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 5 = 621 \text{ remainder } 4$$

$$\begin{array}{r} 621 \\ 5 \overline{) 3109} \\ \underline{3105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 7 = 444 \text{ remainder } 1$$

$$\begin{array}{r} 444 \\ 7 \overline{) 3109} \\ \underline{3108} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 11 = 282 \text{ remainder } 7$$

$$\begin{array}{r} 282 \\ 11 \overline{) 3109} \\ \underline{3102} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 13 = 239 \text{ remainder } 2$$

$$\begin{array}{r} 239 \\ 13 \overline{) 3109} \\ \underline{3107} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 17 = 182 \text{ remainder } 15$$

$$\begin{array}{r} 182 \\ 17 \overline{) 3109} \\ \underline{3094} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 19 = 163 \text{ remainder } 12$$

$$\begin{array}{r} 163 \\ 19 \overline{) 3109} \\ \underline{3097} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 23 = 135 \text{ remainder } 4$$

$$\begin{array}{r} 135 \\ 23 \overline{) 3109} \\ \underline{3105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 29 = 107 \text{ remainder } 6$$

$$\begin{array}{r} 107 \\ 29 \overline{) 3109} \\ \underline{3103} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3109 \div 31 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 31 \overline{) 3109} \end{array}$$



$$\begin{array}{r} 3100 \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3109 \div 37 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 37 \overline{) 3109} \\ \underline{3108} \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3109 \div 41 = 75 \text{ remainder } 34$$

$$\begin{array}{r} 75 \\ 41 \overline{) 3109} \\ \underline{3075} \\ - - - - \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3109 \div 43 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 43 \overline{) 3109} \\ \underline{3096} \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3109 \div 47 = 66 \text{ remainder } 7$$

$$\begin{array}{r} 66 \\ 47 \overline{) 3109} \\ \underline{3102} \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3109 \div 53 = 58 \text{ remainder } 35$$

$$\begin{array}{r} 58 \\ 53 \overline{) 3109} \\ \underline{3074} \\ - - - - \\ 35 \leftarrow \text{remainder} \end{array}$$

## **P<sub>444</sub> 3119**

$$3119 \div 2 = 1559 \text{ remainder } 1$$

$$\begin{array}{r} 1559 \\ 2 \overline{) 3119} \\ \underline{3118} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 3 = 1039 \text{ remainder } 2$$

$$\begin{array}{r} 1039 \\ 3 \overline{) 3119} \\ \underline{3117} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 5 = 623 \text{ remainder } 4$$

$$\begin{array}{r} 623 \\ 5 \overline{) 3119} \\ \underline{3115} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 7 = 445 \text{ remainder } 4$$

$$\begin{array}{r} 445 \\ 7 \overline{) 3119} \\ \underline{3115} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 11 = 283 \text{ remainder } 6$$

$$\begin{array}{r} 283 \\ 11 \overline{) 3119} \\ \underline{3113} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 13 = 239 \text{ remainder } 12$$

$$\begin{array}{r} 239 \\ 13 \overline{) 3119} \\ \underline{3107} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 17 = 183 \text{ remainder } 8$$

$$\begin{array}{r} 183 \\ 17 \overline{) 3119} \\ \underline{3111} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 19 = 164 \text{ remainder } 3$$

$$\begin{array}{r} 164 \\ 19 \overline{) 3119} \\ \underline{3116} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 23 = 135 \text{ remainder } 14$$

$$\begin{array}{r} 135 \\ 23 \overline{) 3119} \\ \underline{3105} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 29 = 107 \text{ remainder } 16$$

$$\begin{array}{r} 107 \\ 29 \overline{) 3119} \\ \underline{3103} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3119 \div 31 = 100 \text{ remainder } 19$$

$$\begin{array}{r} 100 \\ 31 \overline{) 3119} \end{array}$$

$$\begin{array}{r} 3100 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3119 \div 37 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 37 \overline{) 3119} \\ \underline{3108} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3119 \div 41 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 41 \overline{) 3119} \\ \underline{3116} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3119 \div 43 = 72 \text{ remainder } 23$$

$$\begin{array}{r} 72 \\ 43 \overline{) 3119} \\ \underline{3096} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3119 \div 47 = 66 \text{ remainder } 17$$

$$\begin{array}{r} 66 \\ 47 \overline{) 3119} \\ \underline{3102} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3119 \div 53 = 58 \text{ remainder } 45$$

$$\begin{array}{r} 58 \\ 53 \overline{) 3119} \\ \underline{3074} \\ \text{----} \\ 45 \leftarrow \text{remainder} \end{array}$$

## **P<sub>445</sub> 3121**

$$3121 \div 2 = 1560 \text{ remainder } 1$$

$$\begin{array}{r} 1560 \\ 2 \mid \overline{3121} \phantom{00} \\ \underline{3120} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3121 \div 3 = 1040 \text{ remainder } 1$$

$$\begin{array}{r} 1040 \\ 3 \mid \overline{3121} \phantom{00} \\ \underline{3120} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3121 \div 5 = 624 \text{ remainder } 1$$

$$\begin{array}{r} 624 \\ 5 \mid \overline{3121} \phantom{00} \\ \underline{3120} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3121 \div 7 = 445 \text{ remainder } 6$$

$$\begin{array}{r} 445 \\ 7 \mid \overline{3121} \phantom{00} \\ \underline{3115} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3121 \div 11 = 283 \text{ remainder } 8$$

$$\begin{array}{r} 283 \\ 11 \mid \overline{3121} \phantom{00} \\ \underline{3113} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3121 \div 13 = 240 \text{ remainder } 1$$

$$\begin{array}{r} 240 \\ 13 \overline{) 3121} \\ \underline{3120} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3121 \div 17 = 183 \text{ remainder } 10$$

$$\begin{array}{r} 183 \\ 17 \overline{) 3121} \\ \underline{3111} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3121 \div 19 = 164 \text{ remainder } 5$$

$$\begin{array}{r} 164 \\ 19 \overline{) 3121} \\ \underline{3116} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3121 \div 23 = 135 \text{ remainder } 16$$

$$\begin{array}{r} 135 \\ 23 \overline{) 3121} \\ \underline{3105} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3121 \div 29 = 107 \text{ remainder } 18$$

$$\begin{array}{r} 107 \\ 29 \overline{) 3121} \\ \underline{3103} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3121 \div 31 = 100 \text{ remainder } 21$$

$$\begin{array}{r} 100 \\ 31 \overline{) 3121} \end{array}$$

$$\begin{array}{r} 3100 \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3121 \div 37 = 84 \text{ remainder } 13$$

$$\begin{array}{r} 84 \\ 37 \overline{) 3121} \\ \underline{3108} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3121 \div 41 = 76 \text{ remainder } 5$$

$$\begin{array}{r} 76 \\ 41 \overline{) 3121} \\ \underline{3116} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3121 \div 43 = 72 \text{ remainder } 25$$

$$\begin{array}{r} 72 \\ 43 \overline{) 3121} \\ \underline{3096} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3121 \div 47 = 66 \text{ remainder } 19$$

$$\begin{array}{r} 66 \\ 47 \overline{) 3121} \\ \underline{3102} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3121 \div 53 = 58 \text{ remainder } 47$$

$$\begin{array}{r} 58 \\ 53 \overline{) 3121} \\ \underline{3074} \\ \text{----} \\ 47 \leftarrow \text{remainder} \end{array}$$

## **P<sub>446</sub> 3137**

$$3137 \div 2 = 1568 \text{ remainder } 1$$

$$\begin{array}{r} 1568 \\ 2 \overline{) 3137} \\ \underline{3136} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 3 = 1045 \text{ remainder } 2$$

$$\begin{array}{r} 1045 \\ 3 \overline{) 3137} \\ \underline{3135} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 5 = 627 \text{ remainder } 2$$

$$\begin{array}{r} 627 \\ 5 \overline{) 3137} \\ \underline{3135} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 7 = 448 \text{ remainder } 1$$

$$\begin{array}{r} 448 \\ 7 \overline{) 3137} \\ \underline{3136} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 11 = 285 \text{ remainder } 2$$

$$\begin{array}{r} 285 \\ 11 \overline{) 3137} \\ \underline{3135} \\ 2 \end{array} \leftarrow \text{remainder}$$



$$3137 \div 13 = 241 \text{ remainder } 4$$

$$\begin{array}{r} 241 \\ 13 \overline{) 3137} \\ \underline{3133} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 17 = 184 \text{ remainder } 9$$

$$\begin{array}{r} 184 \\ 17 \overline{) 3137} \\ \underline{3128} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 19 = 165 \text{ remainder } 2$$

$$\begin{array}{r} 165 \\ 19 \overline{) 3137} \\ \underline{3135} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 23 = 136 \text{ remainder } 9$$

$$\begin{array}{r} 136 \\ 23 \overline{) 3137} \\ \underline{3128} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 29 = 108 \text{ remainder } 5$$

$$\begin{array}{r} 108 \\ 29 \overline{) 3137} \\ \underline{3132} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3137 \div 31 = 101 \text{ remainder } 6$$

$$\begin{array}{r} 101 \\ 31 \overline{) 3137} \end{array}$$

$$\begin{array}{r} 3131 \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3137 \div 37 = 84 \text{ remainder } 29$$

$$\begin{array}{r} 84 \\ 37 \overline{) 3137} \\ \underline{3108} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3137 \div 41 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 41 \overline{) 3137} \\ \underline{3116} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3137 \div 43 = 72 \text{ remainder } 41$$

$$\begin{array}{r} 72 \\ 43 \overline{) 3137} \\ \underline{3096} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$3137 \div 47 = 66 \text{ remainder } 35$$

$$\begin{array}{r} 66 \\ 47 \overline{) 3137} \\ \underline{3102} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3137 \div 53 = 59 \text{ remainder } 10$$

$$\begin{array}{r} 59 \\ 53 \overline{) 3137} \\ \underline{3127} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

## **P<sub>447</sub> 3163**

$$3163 \div 2 = 1581 \text{ remainder } 1$$

$$\begin{array}{r} 1581 \\ 2 \overline{) 3163} \\ \underline{3162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 3 = 1054 \text{ remainder } 1$$

$$\begin{array}{r} 1054 \\ 3 \overline{) 3163} \\ \underline{3162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 5 = 632 \text{ remainder } 3$$

$$\begin{array}{r} 632 \\ 5 \overline{) 3163} \\ \underline{3160} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 7 = 451 \text{ remainder } 6$$

$$\begin{array}{r} 451 \\ 7 \overline{) 3163} \\ \underline{3157} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 11 = 287 \text{ remainder } 6$$

$$\begin{array}{r} 287 \\ 11 \overline{) 3163} \\ \underline{3157} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 13 = 243 \text{ remainder } 4$$

$$\begin{array}{r} 243 \\ 13 \overline{) 3163} \\ \underline{3159} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 17 = 186 \text{ remainder } 1$$

$$\begin{array}{r} 186 \\ 17 \overline{) 3163} \\ \underline{3162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 19 = 166 \text{ remainder } 9$$

$$\begin{array}{r} 166 \\ 19 \overline{) 3163} \\ \underline{3154} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 23 = 137 \text{ remainder } 12$$

$$\begin{array}{r} 137 \\ 23 \overline{) 3163} \\ \underline{3151} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 29 = 109 \text{ remainder } 2$$

$$\begin{array}{r} 109 \\ 29 \overline{) 3163} \\ \underline{3161} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3163 \div 31 = 102 \text{ remainder } 1$$

$$\begin{array}{r} 102 \\ 31 \overline{) 3163} \end{array}$$

$$\begin{array}{r} 3162 \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3163 \div 37 = 85 \text{ remainder } 18$$

$$\begin{array}{r} 85 \\ 37 \overline{) 3163} \\ \underline{3145} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3163 \div 41 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 41 \overline{) 3163} \\ \underline{3157} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3163 \div 43 = 73 \text{ remainder } 24$$

$$\begin{array}{r} 73 \\ 43 \overline{) 3163} \\ \underline{3139} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3163 \div 47 = 67 \text{ remainder } 14$$

$$\begin{array}{r} 67 \\ 47 \overline{) 3163} \\ \underline{3149} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3163 \div 53 = 59 \text{ remainder } 36$$

$$\begin{array}{r} 59 \\ 53 \overline{) 3163} \\ \underline{3127} \\ 36 \leftarrow \text{remainder} \end{array}$$

## **P<sub>448</sub> 3167**

$$3167 \div 2 = 1583 \text{ remainder } 1$$

$$\begin{array}{r} 1583 \\ 2 \overline{) 3167} \\ \underline{3166} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 3 = 1055 \text{ remainder } 2$$

$$\begin{array}{r} 1055 \\ 3 \overline{) 3167} \\ \underline{3165} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 5 = 633 \text{ remainder } 2$$

$$\begin{array}{r} 633 \\ 5 \overline{) 3167} \\ \underline{3165} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 7 = 452 \text{ remainder } 3$$

$$\begin{array}{r} 452 \\ 7 \overline{) 3167} \\ \underline{3164} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 11 = 287 \text{ remainder } 10$$

$$\begin{array}{r} 287 \\ 11 \overline{) 3167} \\ \underline{3157} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 13 = 243 \text{ remainder } 8$$

$$\begin{array}{r} 243 \\ 13 \overline{) 3167} \\ \underline{3159} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 17 = 186 \text{ remainder } 5$$

$$\begin{array}{r} 186 \\ 17 \overline{) 3167} \\ \underline{3162} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 19 = 166 \text{ remainder } 13$$

$$\begin{array}{r} 166 \\ 19 \overline{) 3167} \\ \underline{3154} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 23 = 137 \text{ remainder } 16$$

$$\begin{array}{r} 137 \\ 23 \overline{) 3167} \\ \underline{3151} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 29 = 109 \text{ remainder } 6$$

$$\begin{array}{r} 109 \\ 29 \overline{) 3167} \\ \underline{3161} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3167 \div 31 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 31 \overline{) 3167} \end{array}$$

$$\begin{array}{r} 3162 \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3167 \div 37 = 85 \text{ remainder } 22$$

$$\begin{array}{r} 85 \\ 37 \overline{) 3167} \\ \underline{3145} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3167 \div 41 = 77 \text{ remainder } 10$$

$$\begin{array}{r} 77 \\ 41 \overline{) 3167} \\ \underline{3157} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3167 \div 43 = 73 \text{ remainder } 28$$

$$\begin{array}{r} 73 \\ 43 \overline{) 3167} \\ \underline{3139} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3167 \div 47 = 67 \text{ remainder } 18$$

$$\begin{array}{r} 67 \\ 47 \overline{) 3167} \\ \underline{3149} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3167 \div 53 = 59 \text{ remainder } 40$$

$$\begin{array}{r} 59 \\ 53 \overline{) 3167} \\ \underline{3127} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$



## **P<sub>449</sub> 3169**

$$3169 \div 2 = 1584 \text{ remainder } 1$$

$$\begin{array}{r} 1584 \\ 2 \overline{) 3169} \\ \underline{3168} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 3 = 1056 \text{ remainder } 1$$

$$\begin{array}{r} 1056 \\ 3 \overline{) 3169} \\ \underline{3168} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 5 = 633 \text{ remainder } 4$$

$$\begin{array}{r} 633 \\ 5 \overline{) 3169} \\ \underline{3165} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 7 = 452 \text{ remainder } 5$$

$$\begin{array}{r} 452 \\ 7 \overline{) 3169} \\ \underline{3164} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 11 = 288 \text{ remainder } 1$$

$$\begin{array}{r} 288 \\ 11 \overline{) 3169} \\ \underline{3168} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 13 = 243 \text{ remainder } 10$$

$$\begin{array}{r} 243 \\ 13 \overline{) 3169} \\ \underline{3159} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 17 = 186 \text{ remainder } 7$$

$$\begin{array}{r} 186 \\ 17 \overline{) 3169} \\ \underline{3162} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 19 = 166 \text{ remainder } 15$$

$$\begin{array}{r} 166 \\ 19 \overline{) 3169} \\ \underline{3154} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 23 = 137 \text{ remainder } 18$$

$$\begin{array}{r} 137 \\ 23 \overline{) 3169} \\ \underline{3151} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 29 = 109 \text{ remainder } 8$$

$$\begin{array}{r} 109 \\ 29 \overline{) 3169} \\ \underline{3161} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3169 \div 31 = 102 \text{ remainder } 7$$

$$\begin{array}{r} 102 \\ 31 \overline{) 3169} \end{array}$$

$$\begin{array}{r} 3162 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3169 \div 37 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 37 \overline{) 3169} \\ \underline{3145} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3169 \div 41 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 41 \overline{) 3169} \\ \underline{3157} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3169 \div 43 = 73 \text{ remainder } 30$$

$$\begin{array}{r} 73 \\ 43 \overline{) 3169} \\ \underline{3139} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3169 \div 47 = 67 \text{ remainder } 20$$

$$\begin{array}{r} 67 \\ 47 \overline{) 3169} \\ \underline{3149} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3169 \div 53 = 59 \text{ remainder } 42$$

$$\begin{array}{r} 59 \\ 53 \overline{) 3169} \\ \underline{3127} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

## **P<sub>450</sub> 3181**

$$3181 \div 2 = 1590 \text{ remainder } 1$$

$$\begin{array}{r} 1590 \\ 2 \overline{) 3181} \\ \underline{3180} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 3 = 1060 \text{ remainder } 1$$

$$\begin{array}{r} 1060 \\ 3 \overline{) 3181} \\ \underline{3180} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 5 = 636 \text{ remainder } 1$$

$$\begin{array}{r} 636 \\ 5 \overline{) 3181} \\ \underline{3180} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 7 = 454 \text{ remainder } 3$$

$$\begin{array}{r} 454 \\ 7 \overline{) 3181} \\ \underline{3178} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 11 = 289 \text{ remainder } 2$$

$$\begin{array}{r} 289 \\ 11 \overline{) 3181} \\ \underline{3179} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 13 = 244 \text{ remainder } 9$$

$$\begin{array}{r} 244 \\ 13 \overline{) 3181} \\ \underline{3172} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 17 = 187 \text{ remainder } 2$$

$$\begin{array}{r} 187 \\ 17 \overline{) 3181} \\ \underline{3179} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 19 = 167 \text{ remainder } 8$$

$$\begin{array}{r} 167 \\ 19 \overline{) 3181} \\ \underline{3173} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 23 = 138 \text{ remainder } 7$$

$$\begin{array}{r} 138 \\ 23 \overline{) 3181} \\ \underline{3174} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 29 = 109 \text{ remainder } 20$$

$$\begin{array}{r} 109 \\ 29 \overline{) 3181} \\ \underline{3161} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3181 \div 31 = 102 \text{ remainder } 19$$

$$\begin{array}{r} 102 \\ 31 \overline{) 3181} \end{array}$$

$$\begin{array}{r} 3162 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3181 \div 37 = 85 \text{ remainder } 36$$

$$\begin{array}{r} 85 \\ 37 \overline{) 3181} \\ \underline{3145} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3181 \div 41 = 77 \text{ remainder } 24$$

$$\begin{array}{r} 77 \\ 41 \overline{) 3181} \\ \underline{3157} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3181 \div 43 = 73 \text{ remainder } 42$$

$$\begin{array}{r} 73 \\ 43 \overline{) 3181} \\ \underline{3139} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$3181 \div 47 = 67 \text{ remainder } 32$$

$$\begin{array}{r} 67 \\ 47 \overline{) 3181} \\ \underline{3149} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3181 \div 53 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 53 \overline{) 3181} \\ \underline{3180} \\ 1 \leftarrow \text{remainder} \end{array}$$

## **P<sub>451</sub> 3187**

$$3187 \div 2 = 1593 \text{ remainder } 1$$

$$\begin{array}{r} 1593 \\ 2 \overline{) 3187} \\ \underline{3186} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 3 = 1062 \text{ remainder } 1$$

$$\begin{array}{r} 1062 \\ 3 \overline{) 3187} \\ \underline{3186} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 5 = 637 \text{ remainder } 2$$

$$\begin{array}{r} 637 \\ 5 \overline{) 3187} \\ \underline{3185} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 7 = 455 \text{ remainder } 2$$

$$\begin{array}{r} 455 \\ 7 \overline{) 3187} \\ \underline{3185} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 11 = 289 \text{ remainder } 8$$

$$\begin{array}{r} 289 \\ 11 \overline{) 3187} \\ \underline{3179} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 13 = 245 \text{ remainder } 2$$

$$\begin{array}{r} 245 \\ 13 \overline{) 3187} \\ \underline{3185} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 17 = 187 \text{ remainder } 8$$

$$\begin{array}{r} 187 \\ 17 \overline{) 3187} \\ \underline{3179} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 19 = 167 \text{ remainder } 14$$

$$\begin{array}{r} 167 \\ 19 \overline{) 3187} \\ \underline{3173} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 23 = 138 \text{ remainder } 13$$

$$\begin{array}{r} 138 \\ 23 \overline{) 3187} \\ \underline{3174} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 29 = 109 \text{ remainder } 26$$

$$\begin{array}{r} 109 \\ 29 \overline{) 3187} \\ \underline{3161} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$3187 \div 31 = 102 \text{ remainder } 25$$

$$\begin{array}{r} 102 \\ 31 \overline{) 3187} \end{array}$$



$$\begin{array}{r} 3162 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3187 \div 37 = 86 \text{ remainder } 5$$

$$\begin{array}{r} 86 \\ 37 \overline{) 3187} \\ \underline{3182} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3187 \div 41 = 77 \text{ remainder } 30$$

$$\begin{array}{r} 77 \\ 41 \overline{) 3187} \\ \underline{3157} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3187 \div 43 = 74 \text{ remainder } 5$$

$$\begin{array}{r} 74 \\ 43 \overline{) 3187} \\ \underline{3182} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3187 \div 47 = 67 \text{ remainder } 38$$

$$\begin{array}{r} 67 \\ 47 \overline{) 3187} \\ \underline{3149} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$3187 \div 53 = 60 \text{ remainder } 7$$

$$\begin{array}{r} 60 \\ 53 \overline{) 3187} \\ \underline{3180} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

## **P<sub>452</sub> 3191**

$$3191 \div 2 = 1595 \text{ remainder } 1$$

$$\begin{array}{r} 1595 \\ 2 \overline{) 3191} \\ \underline{3190} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 3 = 1063 \text{ remainder } 2$$

$$\begin{array}{r} 1063 \\ 3 \overline{) 3191} \\ \underline{3189} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 5 = 638 \text{ remainder } 1$$

$$\begin{array}{r} 638 \\ 5 \overline{) 3191} \\ \underline{3190} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 7 = 455 \text{ remainder } 6$$

$$\begin{array}{r} 455 \\ 7 \overline{) 3191} \\ \underline{3185} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 11 = 290 \text{ remainder } 1$$

$$\begin{array}{r} 290 \\ 11 \overline{) 3191} \\ \underline{3190} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 13 = 245 \text{ remainder } 6$$

$$\begin{array}{r} 245 \\ 13 \overline{) 3191} \\ \underline{3185} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 17 = 187 \text{ remainder } 12$$

$$\begin{array}{r} 187 \\ 17 \overline{) 3191} \\ \underline{3179} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 19 = 167 \text{ remainder } 18$$

$$\begin{array}{r} 167 \\ 19 \overline{) 3191} \\ \underline{3173} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 23 = 138 \text{ remainder } 17$$

$$\begin{array}{r} 138 \\ 23 \overline{) 3191} \\ \underline{3174} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 29 = 110 \text{ remainder } 1$$

$$\begin{array}{r} 110 \\ 29 \overline{) 3191} \\ \underline{3190} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3191 \div 31 = 102 \text{ remainder } 29$$

$$\begin{array}{r} 102 \\ 31 \overline{) 3191} \end{array}$$

$$\begin{array}{r} 3162 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3191 \div 37 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 37 \overline{) 3191} \\ \underline{3182} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3191 \div 41 = 77 \text{ remainder } 34$$

$$\begin{array}{r} 77 \\ 41 \overline{) 3191} \\ \underline{3157} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3191 \div 43 = 74 \text{ remainder } 9$$

$$\begin{array}{r} 74 \\ 43 \overline{) 3191} \\ \underline{3182} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3191 \div 47 = 67 \text{ remainder } 42$$

$$\begin{array}{r} 67 \\ 47 \overline{) 3191} \\ \underline{3149} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$3191 \div 53 = 60 \text{ remainder } 11$$

$$\begin{array}{r} 60 \\ 53 \overline{) 3191} \\ \underline{3180} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

## **P<sub>453</sub> 3203**

$$3203 \div 2 = 1601 \text{ remainder } 1$$

$$\begin{array}{r} 1601 \\ 2 \overline{) 3203} \\ \underline{3202} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 3 = 1067 \text{ remainder } 2$$

$$\begin{array}{r} 1067 \\ 3 \overline{) 3203} \\ \underline{3201} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 5 = 640 \text{ remainder } 3$$

$$\begin{array}{r} 640 \\ 5 \overline{) 3203} \\ \underline{3200} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 7 = 457 \text{ remainder } 4$$

$$\begin{array}{r} 457 \\ 7 \overline{) 3203} \\ \underline{3199} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 11 = 291 \text{ remainder } 2$$

$$\begin{array}{r} 291 \\ 11 \overline{) 3203} \\ \underline{3201} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 13 = 246 \text{ remainder } 5$$

$$\begin{array}{r} 246 \\ 13 \overline{) 3203} \\ \underline{3198} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 17 = 188 \text{ remainder } 7$$

$$\begin{array}{r} 188 \\ 17 \overline{) 3203} \\ \underline{3196} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 19 = 168 \text{ remainder } 11$$

$$\begin{array}{r} 168 \\ 19 \overline{) 3203} \\ \underline{3192} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 23 = 139 \text{ remainder } 6$$

$$\begin{array}{r} 139 \\ 23 \overline{) 3203} \\ \underline{3197} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 29 = 110 \text{ remainder } 13$$

$$\begin{array}{r} 110 \\ 29 \overline{) 3203} \\ \underline{3190} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3203 \div 31 = 103 \text{ remainder } 10$$

$$\begin{array}{r} 103 \\ 31 \overline{) 3203} \end{array}$$

$$\begin{array}{r} 3193 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3203 \div 37 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 37 \overline{) 3203} \\ \underline{3182} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3203 \div 41 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 41 \overline{) 3203} \\ \underline{3198} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3203 \div 43 = 74 \text{ remainder } 21$$

$$\begin{array}{r} 74 \\ 43 \overline{) 3203} \\ \underline{3182} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3203 \div 47 = 68 \text{ remainder } 7$$

$$\begin{array}{r} 68 \\ 47 \overline{) 3203} \\ \underline{3196} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3203 \div 53 = 60 \text{ remainder } 23$$

$$\begin{array}{r} 60 \\ 53 \overline{) 3203} \\ \underline{3180} \\ 23 \leftarrow \text{remainder} \end{array}$$

## **P<sub>454</sub> 3209**

$$3209 \div 2 = 1604 \text{ remainder } 1$$

$$\begin{array}{r} 1604 \\ 2 \overline{) 3209} \\ \underline{3208} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 3 = 1069 \text{ remainder } 2$$

$$\begin{array}{r} 1069 \\ 3 \overline{) 3209} \\ \underline{3207} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 5 = 641 \text{ remainder } 4$$

$$\begin{array}{r} 641 \\ 5 \overline{) 3209} \\ \underline{3205} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 7 = 458 \text{ remainder } 3$$

$$\begin{array}{r} 458 \\ 7 \overline{) 3209} \\ \underline{3206} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 11 = 291 \text{ remainder } 8$$

$$\begin{array}{r} 291 \\ 11 \overline{) 3209} \\ \underline{3201} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$3209 \div 13 = 246 \text{ remainder } 11$$

$$\begin{array}{r} 246 \\ 13 \overline{) 3209} \\ \underline{3198} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 17 = 188 \text{ remainder } 13$$

$$\begin{array}{r} 188 \\ 17 \overline{) 3209} \\ \underline{3196} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 19 = 168 \text{ remainder } 17$$

$$\begin{array}{r} 168 \\ 19 \overline{) 3209} \\ \underline{3192} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 23 = 139 \text{ remainder } 12$$

$$\begin{array}{r} 139 \\ 23 \overline{) 3209} \\ \underline{3197} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 29 = 110 \text{ remainder } 19$$

$$\begin{array}{r} 110 \\ 29 \overline{) 3209} \\ \underline{3190} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3209 \div 31 = 103 \text{ remainder } 16$$

$$\begin{array}{r} 103 \\ 31 \overline{) 3209} \end{array}$$

$$\begin{array}{r} 3193 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3209 \div 37 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 37 \overline{) 3209} \\ \underline{3182} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3209 \div 41 = 78 \text{ remainder } 11$$

$$\begin{array}{r} 78 \\ 41 \overline{) 3209} \\ \underline{3198} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3209 \div 43 = 74 \text{ remainder } 27$$

$$\begin{array}{r} 74 \\ 43 \overline{) 3209} \\ \underline{3182} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3209 \div 47 = 68 \text{ remainder } 13$$

$$\begin{array}{r} 68 \\ 47 \overline{) 3209} \\ \underline{3196} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3209 \div 53 = 60 \text{ remainder } 29$$

$$\begin{array}{r} 60 \\ 53 \overline{) 3209} \\ \underline{3180} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

## **P<sub>455</sub> 3217**

$$3217 \div 2 = 1608 \text{ remainder } 1$$

$$\begin{array}{r} 1608 \\ 2 \overline{) 3217} \\ \underline{3216} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 3 = 1072 \text{ remainder } 1$$

$$\begin{array}{r} 1072 \\ 3 \overline{) 3217} \\ \underline{3216} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 5 = 643 \text{ remainder } 2$$

$$\begin{array}{r} 643 \\ 5 \overline{) 3217} \\ \underline{3215} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 7 = 459 \text{ remainder } 4$$

$$\begin{array}{r} 459 \\ 7 \overline{) 3217} \\ \underline{3213} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 11 = 292 \text{ remainder } 5$$

$$\begin{array}{r} 292 \\ 11 \overline{) 3217} \\ \underline{3212} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 13 = 247 \text{ remainder } 6$$

$$\begin{array}{r} 247 \\ 13 \overline{) 3217} \\ \underline{3211} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 17 = 189 \text{ remainder } 4$$

$$\begin{array}{r} 189 \\ 17 \overline{) 3217} \\ \underline{3213} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 19 = 169 \text{ remainder } 6$$

$$\begin{array}{r} 169 \\ 19 \overline{) 3217} \\ \underline{3211} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 23 = 139 \text{ remainder } 20$$

$$\begin{array}{r} 139 \\ 23 \overline{) 3217} \\ \underline{3197} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 29 = 110 \text{ remainder } 27$$

$$\begin{array}{r} 110 \\ 29 \overline{) 3217} \\ \underline{3190} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$3217 \div 31 = 103 \text{ remainder } 24$$

$$\begin{array}{r} 103 \\ 31 \overline{) 3217} \end{array}$$

$$\begin{array}{r} 3193 \\ ---- \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3217 \div 37 = 86 \text{ remainder } 35$$

$$\begin{array}{r} 86 \\ 37 \overline{) 3217} \\ \underline{3182} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3217 \div 41 = 78 \text{ remainder } 19$$

$$\begin{array}{r} 78 \\ 41 \overline{) 3217} \\ \underline{3198} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3217 \div 43 = 74 \text{ remainder } 35$$

$$\begin{array}{r} 74 \\ 43 \overline{) 3217} \\ \underline{3182} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3217 \div 47 = 68 \text{ remainder } 21$$

$$\begin{array}{r} 68 \\ 47 \overline{) 3217} \\ \underline{3196} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3217 \div 53 = 60 \text{ remainder } 37$$

$$\begin{array}{r} 60 \\ 53 \overline{) 3217} \\ \underline{3180} \\ 37 \leftarrow \text{remainder} \end{array}$$

## **P<sub>456</sub> 3221**

$$3221 \div 2 = 1610 \text{ remainder } 1$$

$$\begin{array}{r} 1610 \\ 2 \mid \overline{3221} \phantom{00} \\ \underline{3220} \phantom{00} \\ \phantom{00} 1 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 3 = 1073 \text{ remainder } 2$$

$$\begin{array}{r} 1073 \\ 3 \mid \overline{3221} \phantom{00} \\ \underline{3219} \phantom{00} \\ \phantom{00} 2 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 5 = 644 \text{ remainder } 1$$

$$\begin{array}{r} 644 \\ 5 \mid \overline{3221} \phantom{00} \\ \underline{3220} \phantom{00} \\ \phantom{00} 1 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 7 = 460 \text{ remainder } 1$$

$$\begin{array}{r} 460 \\ 7 \mid \overline{3221} \phantom{00} \\ \underline{3220} \phantom{00} \\ \phantom{00} 1 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 11 = 292 \text{ remainder } 9$$

$$\begin{array}{r} 292 \\ 11 \mid \overline{3221} \phantom{00} \\ \underline{3212} \phantom{00} \\ \phantom{00} 9 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 13 = 247 \text{ remainder } 10$$

$$\begin{array}{r} 247 \\ 13 \overline{) 3221} \\ \underline{3211} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3221 \div 17 = 189 \text{ remainder } 8$$

$$\begin{array}{r} 189 \\ 17 \overline{) 3221} \\ \underline{3213} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3221 \div 19 = 169 \text{ remainder } 10$$

$$\begin{array}{r} 169 \\ 19 \overline{) 3221} \\ \underline{3211} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3221 \div 23 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 23 \overline{) 3221} \\ \underline{3220} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3221 \div 29 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 29 \overline{) 3221} \\ \underline{3219} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3221 \div 31 = 103 \text{ remainder } 28$$

$$\begin{array}{r} 103 \\ 31 \overline{) 3221} \end{array}$$

$$\begin{array}{r} 3193 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 37 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 37 \overline{) 3221} \\ \underline{3219} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 41 = 78 \text{ remainder } 23$$

$$\begin{array}{r} 78 \\ 41 \overline{) 3221} \\ \underline{3198} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 43 = 74 \text{ remainder } 39$$

$$\begin{array}{r} 74 \\ 43 \overline{) 3221} \\ \underline{3182} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 47 = 68 \text{ remainder } 25$$

$$\begin{array}{r} 68 \\ 47 \overline{) 3221} \\ \underline{3196} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 53 = 60 \text{ remainder } 41$$

$$\begin{array}{r} 60 \\ 53 \overline{) 3221} \\ \underline{3180} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$



## **P<sub>457</sub> 3229**

$$3229 \div 2 = 1614 \text{ remainder } 1$$

$$\begin{array}{r} 1614 \\ 2 \overline{) 3229} \\ \underline{3228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 3 = 1076 \text{ remainder } 1$$

$$\begin{array}{r} 1076 \\ 3 \overline{) 3229} \\ \underline{3228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 5 = 645 \text{ remainder } 4$$

$$\begin{array}{r} 645 \\ 5 \overline{) 3229} \\ \underline{3225} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 7 = 461 \text{ remainder } 2$$

$$\begin{array}{r} 461 \\ 7 \overline{) 3229} \\ \underline{3227} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 11 = 293 \text{ remainder } 6$$

$$\begin{array}{r} 293 \\ 11 \overline{) 3229} \\ \underline{3223} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 13 = 248 \text{ remainder } 5$$

$$\begin{array}{r} 248 \\ 13 \overline{) 3229} \\ \underline{3224} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 17 = 189 \text{ remainder } 16$$

$$\begin{array}{r} 189 \\ 17 \overline{) 3229} \\ \underline{3213} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 19 = 169 \text{ remainder } 18$$

$$\begin{array}{r} 169 \\ 19 \overline{) 3229} \\ \underline{3211} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 23 = 140 \text{ remainder } 9$$

$$\begin{array}{r} 140 \\ 23 \overline{) 3229} \\ \underline{3220} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 29 = 111 \text{ remainder } 10$$

$$\begin{array}{r} 111 \\ 29 \overline{) 3229} \\ \underline{3219} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3229 \div 31 = 104 \text{ remainder } 5$$

$$\begin{array}{r} 104 \\ 31 \overline{) 3229} \end{array}$$

$$\begin{array}{r} 3224 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3229 \div 37 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 37 \overline{) 3229} \\ \underline{3219} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3229 \div 41 = 78 \text{ remainder } 31$$

$$\begin{array}{r} 78 \\ 41 \overline{) 3229} \\ \underline{3198} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3229 \div 43 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 43 \overline{) 3229} \\ \underline{3225} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3229 \div 47 = 68 \text{ remainder } 33$$

$$\begin{array}{r} 68 \\ 47 \overline{) 3229} \\ \underline{3196} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3229 \div 53 = 60 \text{ remainder } 49$$

$$\begin{array}{r} 60 \\ 53 \overline{) 3229} \\ \underline{3180} \\ 49 \leftarrow \text{remainder} \end{array}$$

## **P<sub>458</sub> 3251**

$$3251 \div 2 = 1625 \text{ remainder } 1$$

$$\begin{array}{r} 1625 \\ 2 \overline{) 3251} \\ \underline{3250} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 3 = 1083 \text{ remainder } 2$$

$$\begin{array}{r} 1083 \\ 3 \overline{) 3251} \\ \underline{3249} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 5 = 650 \text{ remainder } 1$$

$$\begin{array}{r} 650 \\ 5 \overline{) 3251} \\ \underline{3250} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 7 = 464 \text{ remainder } 3$$

$$\begin{array}{r} 464 \\ 7 \overline{) 3251} \\ \underline{3248} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 11 = 295 \text{ remainder } 6$$

$$\begin{array}{r} 295 \\ 11 \overline{) 3251} \\ \underline{3245} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 13 = 250 \text{ remainder } 1$$

$$\begin{array}{r} 250 \\ 13 \overline{) 3251} \\ \underline{3250} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 17 = 191 \text{ remainder } 4$$

$$\begin{array}{r} 191 \\ 17 \overline{) 3251} \\ \underline{3247} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 19 = 171 \text{ remainder } 2$$

$$\begin{array}{r} 171 \\ 19 \overline{) 3251} \\ \underline{3249} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 23 = 141 \text{ remainder } 8$$

$$\begin{array}{r} 141 \\ 23 \overline{) 3251} \\ \underline{3243} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 29 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 29 \overline{) 3251} \\ \underline{3248} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3251 \div 31 = 104 \text{ remainder } 27$$

$$\begin{array}{r} 104 \\ 31 \overline{) 3251} \end{array}$$

$$\begin{array}{r} 3224 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3251 \div 37 = 87 \text{ remainder } 32$$

$$\begin{array}{r} 87 \\ 37 \overline{) 3251} \\ \underline{3219} \\ - - - - \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3251 \div 41 = 79 \text{ remainder } 12$$

$$\begin{array}{r} 79 \\ 41 \overline{) 3251} \\ \underline{3239} \\ - - - - \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3251 \div 43 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 43 \overline{) 3251} \\ \underline{3225} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3251 \div 47 = 69 \text{ remainder } 8$$

$$\begin{array}{r} 69 \\ 47 \overline{) 3251} \\ \underline{3243} \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3251 \div 53 = 61 \text{ remainder } 18$$

$$\begin{array}{r} 61 \\ 53 \overline{) 3251} \\ \underline{3233} \\ - - - - \\ 18 \leftarrow \text{remainder} \end{array}$$

## **P<sub>459</sub> 3253**

$$3253 \div 2 = 1626 \text{ remainder } 1$$

$$\begin{array}{r} 1626 \\ 2 \overline{) 3253} \\ \underline{3252} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 3 = 1084 \text{ remainder } 1$$

$$\begin{array}{r} 1084 \\ 3 \overline{) 3253} \\ \underline{3252} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 5 = 650 \text{ remainder } 3$$

$$\begin{array}{r} 650 \\ 5 \overline{) 3253} \\ \underline{3250} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 7 = 464 \text{ remainder } 5$$

$$\begin{array}{r} 464 \\ 7 \overline{) 3253} \\ \underline{3248} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 11 = 295 \text{ remainder } 8$$

$$\begin{array}{r} 295 \\ 11 \overline{) 3253} \\ \underline{3245} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 13 = 250 \text{ remainder } 3$$

$$\begin{array}{r} 250 \\ 13 \overline{) 3253} \\ \underline{3250} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 17 = 191 \text{ remainder } 6$$

$$\begin{array}{r} 191 \\ 17 \overline{) 3253} \\ \underline{3247} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 19 = 171 \text{ remainder } 4$$

$$\begin{array}{r} 171 \\ 19 \overline{) 3253} \\ \underline{3249} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 23 = 141 \text{ remainder } 10$$

$$\begin{array}{r} 141 \\ 23 \overline{) 3253} \\ \underline{3243} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 29 = 112 \text{ remainder } 5$$

$$\begin{array}{r} 112 \\ 29 \overline{) 3253} \\ \underline{3248} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3253 \div 31 = 104 \text{ remainder } 29$$

$$\begin{array}{r} 104 \\ 31 \overline{) 3253} \end{array}$$



$$\begin{array}{r} 3224 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3253 \div 37 = 87 \text{ remainder } 34$$

$$\begin{array}{r} 87 \\ 37 \overline{) 3253} \\ \underline{3219} \\ - - - - \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3253 \div 41 = 79 \text{ remainder } 14$$

$$\begin{array}{r} 79 \\ 41 \overline{) 3253} \\ \underline{3239} \\ - - - - \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3253 \div 43 = 75 \text{ remainder } 28$$

$$\begin{array}{r} 75 \\ 43 \overline{) 3253} \\ \underline{3225} \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3253 \div 47 = 69 \text{ remainder } 10$$

$$\begin{array}{r} 69 \\ 47 \overline{) 3253} \\ \underline{3243} \\ - - - - \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3253 \div 53 = 61 \text{ remainder } 20$$

$$\begin{array}{r} 61 \\ 53 \overline{) 3253} \\ \underline{3233} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

## **P<sub>460</sub> 3257**

$$3257 \div 2 = 1628 \text{ remainder } 1$$

$$\begin{array}{r} 1628 \\ 2 \overline{) 3257} \\ \underline{3256} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 3 = 1085 \text{ remainder } 2$$

$$\begin{array}{r} 1085 \\ 3 \overline{) 3257} \\ \underline{3255} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 5 = 651 \text{ remainder } 2$$

$$\begin{array}{r} 651 \\ 5 \overline{) 3257} \\ \underline{3255} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 7 = 465 \text{ remainder } 2$$

$$\begin{array}{r} 465 \\ 7 \overline{) 3257} \\ \underline{3255} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 11 = 296 \text{ remainder } 1$$

$$\begin{array}{r} 296 \\ 11 \overline{) 3257} \\ \underline{3256} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 13 = 250 \text{ remainder } 7$$

$$\begin{array}{r} 250 \\ 13 \overline{) 3257} \\ \underline{3250} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 17 = 191 \text{ remainder } 10$$

$$\begin{array}{r} 191 \\ 17 \overline{) 3257} \\ \underline{3247} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 19 = 171 \text{ remainder } 8$$

$$\begin{array}{r} 171 \\ 19 \overline{) 3257} \\ \underline{3249} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 23 = 141 \text{ remainder } 14$$

$$\begin{array}{r} 141 \\ 23 \overline{) 3257} \\ \underline{3243} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 29 = 112 \text{ remainder } 9$$

$$\begin{array}{r} 112 \\ 29 \overline{) 3257} \\ \underline{3248} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3257 \div 31 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 31 \overline{) 3257} \end{array}$$

$$\begin{array}{r} 3255 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3257 \div 37 = 88 \text{ remainder } 1$$

$$\begin{array}{r} 88 \\ 37 \overline{) 3257} \\ \underline{3256} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3257 \div 41 = 79 \text{ remainder } 18$$

$$\begin{array}{r} 79 \\ 41 \overline{) 3257} \\ \underline{3239} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3257 \div 43 = 75 \text{ remainder } 32$$

$$\begin{array}{r} 75 \\ 43 \overline{) 3257} \\ \underline{3225} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3257 \div 47 = 69 \text{ remainder } 14$$

$$\begin{array}{r} 69 \\ 47 \overline{) 3257} \\ \underline{3243} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3257 \div 53 = 61 \text{ remainder } 24$$

$$\begin{array}{r} 61 \\ 53 \overline{) 3257} \\ \underline{3233} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

## **P<sub>461</sub> 3259**

$$3259 \div 2 = 1629 \text{ remainder } 1$$

$$\begin{array}{r} 1629 \\ 2 \overline{) 3259} \\ \underline{3258} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 3 = 1086 \text{ remainder } 1$$

$$\begin{array}{r} 1086 \\ 3 \overline{) 3259} \\ \underline{3258} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 5 = 651 \text{ remainder } 4$$

$$\begin{array}{r} 651 \\ 5 \overline{) 3259} \\ \underline{3255} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 7 = 465 \text{ remainder } 4$$

$$\begin{array}{r} 465 \\ 7 \overline{) 3259} \\ \underline{3255} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 11 = 296 \text{ remainder } 3$$

$$\begin{array}{r} 296 \\ 11 \overline{) 3259} \\ \underline{3256} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 13 = 250 \text{ remainder } 9$$

$$\begin{array}{r} 250 \\ 13 \overline{) 3259} \\ \underline{3250} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 17 = 191 \text{ remainder } 12$$

$$\begin{array}{r} 191 \\ 17 \overline{) 3259} \\ \underline{3247} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 19 = 171 \text{ remainder } 10$$

$$\begin{array}{r} 171 \\ 19 \overline{) 3259} \\ \underline{3249} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 23 = 141 \text{ remainder } 16$$

$$\begin{array}{r} 141 \\ 23 \overline{) 3259} \\ \underline{3243} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 29 = 112 \text{ remainder } 11$$

$$\begin{array}{r} 112 \\ 29 \overline{) 3259} \\ \underline{3248} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3259 \div 31 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 31 \overline{) 3259} \end{array}$$

$$\begin{array}{r} 3255 \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3259 \div 37 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 37 \overline{) 3259} \\ \underline{3256} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3259 \div 41 = 79 \text{ remainder } 20$$

$$\begin{array}{r} 79 \\ 41 \overline{) 3259} \\ \underline{3239} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3259 \div 43 = 75 \text{ remainder } 34$$

$$\begin{array}{r} 75 \\ 43 \overline{) 3259} \\ \underline{3225} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3259 \div 47 = 69 \text{ remainder } 16$$

$$\begin{array}{r} 69 \\ 47 \overline{) 3259} \\ \underline{3243} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3259 \div 53 = 61 \text{ remainder } 26$$

$$\begin{array}{r} 61 \\ 53 \overline{) 3259} \\ \underline{3233} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

## **P<sub>462</sub> 3271**

$$3271 \div 2 = 1635 \text{ remainder } 1$$

$$\begin{array}{r} 1635 \\ 2 \overline{) 3271} \\ \underline{3270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 3 = 1090 \text{ remainder } 1$$

$$\begin{array}{r} 1090 \\ 3 \overline{) 3271} \\ \underline{3270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 5 = 654 \text{ remainder } 1$$

$$\begin{array}{r} 654 \\ 5 \overline{) 3271} \\ \underline{3270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 7 = 467 \text{ remainder } 2$$

$$\begin{array}{r} 467 \\ 7 \overline{) 3271} \\ \underline{3269} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 11 = 297 \text{ remainder } 4$$

$$\begin{array}{r} 297 \\ 11 \overline{) 3271} \\ \underline{3267} \\ 4 \end{array} \leftarrow \text{remainder}$$



$$3271 \div 13 = 251 \text{ remainder } 8$$

$$\begin{array}{r} 251 \\ 13 \overline{) 3271} \\ \underline{3263} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 17 = 192 \text{ remainder } 7$$

$$\begin{array}{r} 192 \\ 17 \overline{) 3271} \\ \underline{3264} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 19 = 172 \text{ remainder } 3$$

$$\begin{array}{r} 172 \\ 19 \overline{) 3271} \\ \underline{3268} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 23 = 142 \text{ remainder } 5$$

$$\begin{array}{r} 142 \\ 23 \overline{) 3271} \\ \underline{3266} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 29 = 112 \text{ remainder } 23$$

$$\begin{array}{r} 112 \\ 29 \overline{) 3271} \\ \underline{3248} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$3271 \div 31 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 31 \overline{) 3271} \end{array}$$

$$\begin{array}{r} 3255 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3271 \div 37 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 37 \overline{) 3271} \\ \underline{3256} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3271 \div 41 = 79 \text{ remainder } 32$$

$$\begin{array}{r} 79 \\ 41 \overline{) 3271} \\ \underline{3239} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3271 \div 43 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 43 \overline{) 3271} \\ \underline{3268} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3271 \div 47 = 69 \text{ remainder } 28$$

$$\begin{array}{r} 69 \\ 47 \overline{) 3271} \\ \underline{3243} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3271 \div 53 = 61 \text{ remainder } 38$$

$$\begin{array}{r} 61 \\ 53 \overline{) 3271} \\ \underline{3233} \\ 38 \leftarrow \text{remainder} \end{array}$$

## **P<sub>463</sub> 3299**

$$3299 \div 2 = 1649 \text{ remainder } 1$$

$$\begin{array}{r} 1649 \\ 2 \overline{) 3299} \\ \underline{3298} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 3 = 1099 \text{ remainder } 2$$

$$\begin{array}{r} 1099 \\ 3 \overline{) 3299} \\ \underline{3297} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 5 = 659 \text{ remainder } 4$$

$$\begin{array}{r} 659 \\ 5 \overline{) 3299} \\ \underline{3295} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 7 = 471 \text{ remainder } 2$$

$$\begin{array}{r} 471 \\ 7 \overline{) 3299} \\ \underline{3297} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 11 = 299 \text{ remainder } 10$$

$$\begin{array}{r} 299 \\ 11 \overline{) 3299} \\ \underline{3289} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 13 = 253 \text{ remainder } 10$$

$$\begin{array}{r} 253 \\ 13 \overline{) 3299} \\ \underline{3289} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 17 = 194 \text{ remainder } 1$$

$$\begin{array}{r} 194 \\ 17 \overline{) 3299} \\ \underline{3298} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 19 = 173 \text{ remainder } 12$$

$$\begin{array}{r} 173 \\ 19 \overline{) 3299} \\ \underline{3287} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 23 = 143 \text{ remainder } 10$$

$$\begin{array}{r} 143 \\ 23 \overline{) 3299} \\ \underline{3289} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 29 = 113 \text{ remainder } 22$$

$$\begin{array}{r} 113 \\ 29 \overline{) 3299} \\ \underline{3277} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$3299 \div 31 = 106 \text{ remainder } 13$$

$$\begin{array}{r} 106 \\ 31 \overline{) 3299} \end{array}$$

$$\begin{array}{r} 3286 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3299 \div 37 = 89 \text{ remainder } 6$$

$$\begin{array}{r} 89 \\ 37 \overline{) 3299} \\ \underline{3293} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3299 \div 41 = 80 \text{ remainder } 19$$

$$\begin{array}{r} 80 \\ 41 \overline{) 3299} \\ \underline{3280} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3299 \div 43 = 76 \text{ remainder } 31$$

$$\begin{array}{r} 76 \\ 43 \overline{) 3299} \\ \underline{3268} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3299 \div 47 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 47 \overline{) 3299} \\ \underline{3290} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3299 \div 53 = 62 \text{ remainder } 13$$

$$\begin{array}{r} 62 \\ 53 \overline{) 3299} \\ \underline{3286} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

## **P<sub>464</sub> 3301**

$$3301 \div 2 = 1650 \text{ remainder } 1$$

$$\begin{array}{r} 1650 \\ 2 \overline{) 3301} \\ \underline{3300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 3 = 1100 \text{ remainder } 1$$

$$\begin{array}{r} 1100 \\ 3 \overline{) 3301} \\ \underline{3300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 5 = 660 \text{ remainder } 1$$

$$\begin{array}{r} 660 \\ 5 \overline{) 3301} \\ \underline{3300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 7 = 471 \text{ remainder } 4$$

$$\begin{array}{r} 471 \\ 7 \overline{) 3301} \\ \underline{3297} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 11 = 300 \text{ remainder } 1$$

$$\begin{array}{r} 300 \\ 11 \overline{) 3301} \\ \underline{3300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 13 = 253 \text{ remainder } 12$$

$$\begin{array}{r} 253 \\ 13 \overline{) 3301} \\ \underline{3289} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 17 = 194 \text{ remainder } 3$$

$$\begin{array}{r} 194 \\ 17 \overline{) 3301} \\ \underline{3298} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 19 = 173 \text{ remainder } 14$$

$$\begin{array}{r} 173 \\ 19 \overline{) 3301} \\ \underline{3287} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 23 = 143 \text{ remainder } 12$$

$$\begin{array}{r} 143 \\ 23 \overline{) 3301} \\ \underline{3289} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 29 = 113 \text{ remainder } 24$$

$$\begin{array}{r} 113 \\ 29 \overline{) 3301} \\ \underline{3277} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$3301 \div 31 = 106 \text{ remainder } 15$$

$$\begin{array}{r} 106 \\ 31 \overline{) 3301} \end{array}$$

$$\begin{array}{r} 3286 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3301 \div 37 = 89 \text{ remainder } 8$$

$$\begin{array}{r} 89 \\ 37 \overline{) 3301} \\ \underline{3293} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3301 \div 41 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 41 \overline{) 3301} \\ \underline{3280} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3301 \div 43 = 76 \text{ remainder } 33$$

$$\begin{array}{r} 76 \\ 43 \overline{) 3301} \\ \underline{3268} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3301 \div 47 = 70 \text{ remainder } 11$$

$$\begin{array}{r} 70 \\ 47 \overline{) 3301} \\ \underline{3290} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3301 \div 53 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 53 \overline{) 3301} \\ \underline{3286} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$



## **P<sub>465</sub> 3307**

$$3307 \div 2 = 1653 \text{ remainder } 1$$

$$\begin{array}{r} 1653 \\ 2 \overline{) 3307} \\ \underline{3306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 3 = 1102 \text{ remainder } 1$$

$$\begin{array}{r} 1102 \\ 3 \overline{) 3307} \\ \underline{3306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 5 = 661 \text{ remainder } 2$$

$$\begin{array}{r} 661 \\ 5 \overline{) 3307} \\ \underline{3305} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 7 = 472 \text{ remainder } 3$$

$$\begin{array}{r} 472 \\ 7 \overline{) 3307} \\ \underline{3304} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 11 = 300 \text{ remainder } 7$$

$$\begin{array}{r} 300 \\ 11 \overline{) 3307} \\ \underline{3300} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 13 = 254 \text{ remainder } 5$$

$$\begin{array}{r} 254 \\ 13 \overline{) 3307} \\ \underline{3302} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 17 = 194 \text{ remainder } 9$$

$$\begin{array}{r} 194 \\ 17 \overline{) 3307} \\ \underline{3298} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 19 = 174 \text{ remainder } 1$$

$$\begin{array}{r} 174 \\ 19 \overline{) 3307} \\ \underline{3306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 23 = 143 \text{ remainder } 18$$

$$\begin{array}{r} 143 \\ 23 \overline{) 3307} \\ \underline{3289} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 29 = 114 \text{ remainder } 1$$

$$\begin{array}{r} 114 \\ 29 \overline{) 3307} \\ \underline{3306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3307 \div 31 = 106 \text{ remainder } 21$$

$$\begin{array}{r} 106 \\ 31 \overline{) 3307} \end{array}$$

$$\begin{array}{r} 3286 \\ ---- \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3307 \div 37 = 89 \text{ remainder } 14$$

$$\begin{array}{r} 89 \\ 37 \overline{) 3307} \\ \underline{3293} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3307 \div 41 = 80 \text{ remainder } 27$$

$$\begin{array}{r} 80 \\ 41 \overline{) 3307} \\ \underline{3280} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3307 \div 43 = 76 \text{ remainder } 39$$

$$\begin{array}{r} 76 \\ 43 \overline{) 3307} \\ \underline{3268} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$3307 \div 47 = 70 \text{ remainder } 17$$

$$\begin{array}{r} 70 \\ 47 \overline{) 3307} \\ \underline{3290} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3307 \div 53 = 62 \text{ remainder } 21$$

$$\begin{array}{r} 62 \\ 53 \overline{) 3307} \\ \underline{3286} \\ 21 \leftarrow \text{remainder} \end{array}$$

## **P<sub>466</sub> 3313**

$$3313 \div 2 = 1656 \text{ remainder } 1$$

$$\begin{array}{r} 1656 \\ 2 \overline{) 3313} \\ \underline{3312} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 3 = 1104 \text{ remainder } 1$$

$$\begin{array}{r} 1104 \\ 3 \overline{) 3313} \\ \underline{3312} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 5 = 662 \text{ remainder } 3$$

$$\begin{array}{r} 662 \\ 5 \overline{) 3313} \\ \underline{3310} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 7 = 473 \text{ remainder } 2$$

$$\begin{array}{r} 473 \\ 7 \overline{) 3313} \\ \underline{3311} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 11 = 301 \text{ remainder } 2$$

$$\begin{array}{r} 301 \\ 11 \overline{) 3313} \\ \underline{3311} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 13 = 254 \text{ remainder } 11$$

$$\begin{array}{r} 254 \\ 13 \overline{) 3313} \\ \underline{3302} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 17 = 194 \text{ remainder } 15$$

$$\begin{array}{r} 194 \\ 17 \overline{) 3313} \\ \underline{3298} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 19 = 174 \text{ remainder } 7$$

$$\begin{array}{r} 174 \\ 19 \overline{) 3313} \\ \underline{3306} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 23 = 144 \text{ remainder } 1$$

$$\begin{array}{r} 144 \\ 23 \overline{) 3313} \\ \underline{3312} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 29 = 114 \text{ remainder } 7$$

$$\begin{array}{r} 114 \\ 29 \overline{) 3313} \\ \underline{3306} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3313 \div 31 = 106 \text{ remainder } 27$$

$$\begin{array}{r} 106 \\ 31 \overline{) 3313} \end{array}$$

$$\begin{array}{r} 3286 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3313 \div 37 = 89 \text{ remainder } 20$$

$$\begin{array}{r} 89 \\ 37 \overline{) 3313} \\ \underline{3293} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3313 \div 41 = 80 \text{ remainder } 33$$

$$\begin{array}{r} 80 \\ 41 \overline{) 3313} \\ \underline{3280} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3313 \div 43 = 77 \text{ remainder } 2$$

$$\begin{array}{r} 77 \\ 43 \overline{) 3313} \\ \underline{3311} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3313 \div 47 = 70 \text{ remainder } 23$$

$$\begin{array}{r} 70 \\ 47 \overline{) 3313} \\ \underline{3290} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3313 \div 53 = 62 \text{ remainder } 27$$

$$\begin{array}{r} 62 \\ 53 \overline{) 3313} \\ \underline{3286} \\ 27 \leftarrow \text{remainder} \end{array}$$

## **P<sub>467</sub> 3319**

$$3319 \div 2 = 1659 \text{ remainder } 1$$

$$\begin{array}{r} 1659 \\ 2 \overline{) 3319} \\ \underline{3318} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 3 = 1106 \text{ remainder } 1$$

$$\begin{array}{r} 1106 \\ 3 \overline{) 3319} \\ \underline{3318} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 5 = 663 \text{ remainder } 4$$

$$\begin{array}{r} 663 \\ 5 \overline{) 3319} \\ \underline{3315} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 7 = 474 \text{ remainder } 1$$

$$\begin{array}{r} 474 \\ 7 \overline{) 3319} \\ \underline{3318} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 11 = 301 \text{ remainder } 8$$

$$\begin{array}{r} 301 \\ 11 \overline{) 3319} \\ \underline{3311} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 13 = 255 \text{ remainder } 4$$

$$\begin{array}{r} 255 \\ 13 \overline{) 3319} \\ \underline{3315} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 17 = 195 \text{ remainder } 4$$

$$\begin{array}{r} 195 \\ 17 \overline{) 3319} \\ \underline{3315} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 19 = 174 \text{ remainder } 13$$

$$\begin{array}{r} 174 \\ 19 \overline{) 3319} \\ \underline{3306} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 23 = 144 \text{ remainder } 7$$

$$\begin{array}{r} 144 \\ 23 \overline{) 3319} \\ \underline{3312} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 29 = 114 \text{ remainder } 13$$

$$\begin{array}{r} 114 \\ 29 \overline{) 3319} \\ \underline{3306} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3319 \div 31 = 107 \text{ remainder } 2$$

$$\begin{array}{r} 107 \\ 31 \overline{) 3319} \end{array}$$



$$\begin{array}{r} 3317 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3319 \div 37 = 89 \text{ remainder } 26$$

$$\begin{array}{r} 89 \\ 37 \overline{) 3319} \\ \underline{3293} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3319 \div 41 = 80 \text{ remainder } 39$$

$$\begin{array}{r} 80 \\ 41 \overline{) 3319} \\ \underline{3280} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$3319 \div 43 = 77 \text{ remainder } 8$$

$$\begin{array}{r} 77 \\ 43 \overline{) 3319} \\ \underline{3311} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3319 \div 47 = 70 \text{ remainder } 29$$

$$\begin{array}{r} 70 \\ 47 \overline{) 3319} \\ \underline{3290} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3319 \div 53 = 62 \text{ remainder } 33$$

$$\begin{array}{r} 62 \\ 53 \overline{) 3319} \\ \underline{3286} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

## **P<sub>468</sub> 3323**

$$3323 \div 2 = 1661 \text{ remainder } 1$$

$$\begin{array}{r} 1661 \\ 2 \overline{) 3323} \\ \underline{3322} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3323 \div 3 = 1107 \text{ remainder } 2$$

$$\begin{array}{r} 1107 \\ 3 \overline{) 3323} \\ \underline{3321} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3323 \div 5 = 664 \text{ remainder } 3$$

$$\begin{array}{r} 664 \\ 5 \overline{) 3323} \\ \underline{3320} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3323 \div 7 = 474 \text{ remainder } 5$$

$$\begin{array}{r} 474 \\ 7 \overline{) 3323} \\ \underline{3318} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3323 \div 11 = 302 \text{ remainder } 1$$

$$\begin{array}{r} 302 \\ 11 \overline{) 3323} \\ \underline{3322} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3323 \div 13 = 255 \text{ remainder } 8$$

$$\begin{array}{r} 255 \\ 13 \overline{) 3323} \\ \underline{3315} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3323 \div 17 = 195 \text{ remainder } 8$$

$$\begin{array}{r} 195 \\ 17 \overline{) 3323} \\ \underline{3315} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3323 \div 19 = 174 \text{ remainder } 17$$

$$\begin{array}{r} 174 \\ 19 \overline{) 3323} \\ \underline{3306} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3323 \div 23 = 144 \text{ remainder } 11$$

$$\begin{array}{r} 144 \\ 23 \overline{) 3323} \\ \underline{3312} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3323 \div 29 = 114 \text{ remainder } 17$$

$$\begin{array}{r} 114 \\ 29 \overline{) 3323} \\ \underline{3306} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3323 \div 31 = 107 \text{ remainder } 6$$

$$\begin{array}{r} 107 \\ 31 \overline{) 3323} \end{array}$$

$$\begin{array}{r} 3317 \\ ---- \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3323 \div 37 = 89 \text{ remainder } 30$$

$$\begin{array}{r} 89 \\ 37 \overline{) 3323} \\ \underline{3293} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3323 \div 41 = 81 \text{ remainder } 2$$

$$\begin{array}{r} 81 \\ 41 \overline{) 3323} \\ \underline{3321} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3323 \div 43 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 43 \overline{) 3323} \\ \underline{3311} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3323 \div 47 = 70 \text{ remainder } 33$$

$$\begin{array}{r} 70 \\ 47 \overline{) 3323} \\ \underline{3290} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3323 \div 53 = 62 \text{ remainder } 37$$

$$\begin{array}{r} 62 \\ 53 \overline{) 3323} \\ \underline{3286} \\ 37 \leftarrow \text{remainder} \end{array}$$

## **P<sub>469</sub> 3329**

$$3329 \div 2 = 1664 \text{ remainder } 1$$

$$\begin{array}{r} 1664 \\ 2 \overline{) 3329} \\ \underline{3328} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 3 = 1109 \text{ remainder } 2$$

$$\begin{array}{r} 1109 \\ 3 \overline{) 3329} \\ \underline{3327} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 5 = 665 \text{ remainder } 4$$

$$\begin{array}{r} 665 \\ 5 \overline{) 3329} \\ \underline{3325} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 7 = 475 \text{ remainder } 4$$

$$\begin{array}{r} 475 \\ 7 \overline{) 3329} \\ \underline{3325} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 11 = 302 \text{ remainder } 7$$

$$\begin{array}{r} 302 \\ 11 \overline{) 3329} \\ \underline{3322} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 13 = 256 \text{ remainder } 1$$

$$\begin{array}{r} 256 \\ 13 \overline{) 3329} \\ \underline{3328} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 17 = 195 \text{ remainder } 14$$

$$\begin{array}{r} 195 \\ 17 \overline{) 3329} \\ \underline{3315} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 19 = 175 \text{ remainder } 4$$

$$\begin{array}{r} 175 \\ 19 \overline{) 3329} \\ \underline{3325} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 23 = 144 \text{ remainder } 17$$

$$\begin{array}{r} 144 \\ 23 \overline{) 3329} \\ \underline{3312} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 29 = 114 \text{ remainder } 23$$

$$\begin{array}{r} 114 \\ 29 \overline{) 3329} \\ \underline{3306} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 31 = 107 \text{ remainder } 12$$

$$\begin{array}{r} 107 \\ 31 \overline{) 3329} \end{array}$$

$$\begin{array}{r} 3317 \\ - - - - \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 37 = 89 \text{ remainder } 36$$

$$\begin{array}{r} 89 \\ 37 \overline{) 3329} \\ \underline{3293} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 41 = 81 \text{ remainder } 8$$

$$\begin{array}{r} 81 \\ 41 \overline{) 3329} \\ \underline{3321} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 43 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 43 \overline{) 3329} \\ \underline{3311} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 47 = 70 \text{ remainder } 39$$

$$\begin{array}{r} 70 \\ 47 \overline{) 3329} \\ \underline{3290} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$3329 \div 53 = 62 \text{ remainder } 43$$

$$\begin{array}{r} 62 \\ 53 \overline{) 3329} \\ \underline{3286} \\ 43 \end{array} \leftarrow \text{remainder}$$

## **P<sub>470</sub> 3331**

$$3331 \div 2 = 1665 \text{ remainder } 1$$

$$\begin{array}{r} 1665 \\ 2 \overline{) 3331} \\ \underline{3330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 3 = 1110 \text{ remainder } 1$$

$$\begin{array}{r} 1110 \\ 3 \overline{) 3331} \\ \underline{3330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 5 = 666 \text{ remainder } 1$$

$$\begin{array}{r} 666 \\ 5 \overline{) 3331} \\ \underline{3330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 7 = 475 \text{ remainder } 6$$

$$\begin{array}{r} 475 \\ 7 \overline{) 3331} \\ \underline{3325} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 11 = 302 \text{ remainder } 9$$

$$\begin{array}{r} 302 \\ 11 \overline{) 3331} \\ \underline{3322} \\ 9 \end{array} \leftarrow \text{remainder}$$



$$3331 \div 13 = 256 \text{ remainder } 3$$

$$\begin{array}{r} 256 \\ 13 \overline{) 3331} \\ \underline{3328} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 17 = 195 \text{ remainder } 16$$

$$\begin{array}{r} 195 \\ 17 \overline{) 3331} \\ \underline{3315} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 19 = 175 \text{ remainder } 6$$

$$\begin{array}{r} 175 \\ 19 \overline{) 3331} \\ \underline{3325} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 23 = 144 \text{ remainder } 19$$

$$\begin{array}{r} 144 \\ 23 \overline{) 3331} \\ \underline{3312} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 29 = 114 \text{ remainder } 25$$

$$\begin{array}{r} 114 \\ 29 \overline{) 3331} \\ \underline{3306} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$3331 \div 31 = 107 \text{ remainder } 14$$

$$\begin{array}{r} 107 \\ 31 \overline{) 3331} \end{array}$$

$$\begin{array}{r} 3317 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3331 \div 37 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 37 \mid \overline{3331} \\ \underline{3330} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3331 \div 41 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 41 \mid \overline{3331} \\ \underline{3321} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3331 \div 43 = 77 \text{ remainder } 20$$

$$\begin{array}{r} 77 \\ 43 \mid \overline{3331} \\ \underline{3311} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3331 \div 47 = 70 \text{ remainder } 41$$

$$\begin{array}{r} 70 \\ 47 \mid \overline{3331} \\ \underline{3290} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$3331 \div 53 = 62 \text{ remainder } 45$$

$$\begin{array}{r} 62 \\ 53 \mid \overline{3331} \\ \underline{3286} \\ \text{----} \\ 45 \leftarrow \text{remainder} \end{array}$$

## **P<sub>471</sub> 3343**

$$3343 \div 2 = 1671 \text{ remainder } 1$$

$$\begin{array}{r} 1671 \\ 2 \overline{) 3343} \\ \underline{3342} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 3 = 1114 \text{ remainder } 1$$

$$\begin{array}{r} 1114 \\ 3 \overline{) 3343} \\ \underline{3342} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 5 = 668 \text{ remainder } 3$$

$$\begin{array}{r} 668 \\ 5 \overline{) 3343} \\ \underline{3340} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 7 = 477 \text{ remainder } 4$$

$$\begin{array}{r} 477 \\ 7 \overline{) 3343} \\ \underline{3339} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 11 = 303 \text{ remainder } 10$$

$$\begin{array}{r} 303 \\ 11 \overline{) 3343} \\ \underline{3333} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 13 = 257 \text{ remainder } 2$$

$$\begin{array}{r} 257 \\ 13 \overline{) 3343} \\ \underline{3341} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 17 = 196 \text{ remainder } 11$$

$$\begin{array}{r} 196 \\ 17 \overline{) 3343} \\ \underline{3332} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 19 = 175 \text{ remainder } 18$$

$$\begin{array}{r} 175 \\ 19 \overline{) 3343} \\ \underline{3325} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 23 = 145 \text{ remainder } 8$$

$$\begin{array}{r} 145 \\ 23 \overline{) 3343} \\ \underline{3335} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 29 = 115 \text{ remainder } 8$$

$$\begin{array}{r} 115 \\ 29 \overline{) 3343} \\ \underline{3335} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3343 \div 31 = 107 \text{ remainder } 26$$

$$\begin{array}{r} 107 \\ 31 \overline{) 3343} \end{array}$$

$$\begin{array}{r} 3317 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3343 \div 37 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 37 \mid \overline{3343} \\ \underline{3330} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3343 \div 41 = 81 \text{ remainder } 22$$

$$\begin{array}{r} 81 \\ 41 \mid \overline{3343} \\ \underline{3321} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3343 \div 43 = 77 \text{ remainder } 32$$

$$\begin{array}{r} 77 \\ 43 \mid \overline{3343} \\ \underline{3311} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3343 \div 47 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 47 \mid \overline{3343} \\ \underline{3337} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3343 \div 53 = 63 \text{ remainder } 4$$

$$\begin{array}{r} 63 \\ 53 \mid \overline{3343} \\ \underline{3339} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

## **P<sub>472</sub> 3347**

$$3347 \div 2 = 1673 \text{ remainder } 1$$

$$\begin{array}{r} 1673 \\ 2 \overline{) 3347} \\ \underline{3346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 3 = 1115 \text{ remainder } 2$$

$$\begin{array}{r} 1115 \\ 3 \overline{) 3347} \\ \underline{3345} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 5 = 669 \text{ remainder } 2$$

$$\begin{array}{r} 669 \\ 5 \overline{) 3347} \\ \underline{3345} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 7 = 478 \text{ remainder } 1$$

$$\begin{array}{r} 478 \\ 7 \overline{) 3347} \\ \underline{3346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 11 = 304 \text{ remainder } 3$$

$$\begin{array}{r} 304 \\ 11 \overline{) 3347} \\ \underline{3344} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 13 = 257 \text{ remainder } 6$$

$$\begin{array}{r} 257 \\ 13 \overline{) 3347} \\ \underline{3341} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 17 = 196 \text{ remainder } 15$$

$$\begin{array}{r} 196 \\ 17 \overline{) 3347} \\ \underline{3332} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 19 = 176 \text{ remainder } 3$$

$$\begin{array}{r} 176 \\ 19 \overline{) 3347} \\ \underline{3344} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 23 = 145 \text{ remainder } 12$$

$$\begin{array}{r} 145 \\ 23 \overline{) 3347} \\ \underline{3335} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 29 = 115 \text{ remainder } 12$$

$$\begin{array}{r} 115 \\ 29 \overline{) 3347} \\ \underline{3335} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3347 \div 31 = 107 \text{ remainder } 30$$

$$\begin{array}{r} 107 \\ 31 \overline{) 3347} \end{array}$$

$$\begin{array}{r} 3317 \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3347 \div 37 = 90 \text{ remainder } 17$$

$$\begin{array}{r} 90 \\ 37 \mid \overline{3347} \\ \underline{3330} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3347 \div 41 = 81 \text{ remainder } 26$$

$$\begin{array}{r} 81 \\ 41 \mid \overline{3347} \\ \underline{3321} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3347 \div 43 = 77 \text{ remainder } 36$$

$$\begin{array}{r} 77 \\ 43 \mid \overline{3347} \\ \underline{3311} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3347 \div 47 = 71 \text{ remainder } 10$$

$$\begin{array}{r} 71 \\ 47 \mid \overline{3347} \\ \underline{3337} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3347 \div 53 = 63 \text{ remainder } 8$$

$$\begin{array}{r} 63 \\ 53 \mid \overline{3347} \\ \underline{3339} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$



## **P<sub>473</sub> 3359**

$$3359 \div 2 = 1679 \text{ remainder } 1$$

$$\begin{array}{r} 1679 \\ 2 \overline{) 3359} \\ \underline{3358} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 3 = 1119 \text{ remainder } 2$$

$$\begin{array}{r} 1119 \\ 3 \overline{) 3359} \\ \underline{3357} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 5 = 671 \text{ remainder } 4$$

$$\begin{array}{r} 671 \\ 5 \overline{) 3359} \\ \underline{3355} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 7 = 479 \text{ remainder } 6$$

$$\begin{array}{r} 479 \\ 7 \overline{) 3359} \\ \underline{3353} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 11 = 305 \text{ remainder } 4$$

$$\begin{array}{r} 305 \\ 11 \overline{) 3359} \\ \underline{3355} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 13 = 258 \text{ remainder } 5$$

$$\begin{array}{r} 258 \\ 13 \overline{) 3359} \\ \underline{3354} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 17 = 197 \text{ remainder } 10$$

$$\begin{array}{r} 197 \\ 17 \overline{) 3359} \\ \underline{3349} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 19 = 176 \text{ remainder } 15$$

$$\begin{array}{r} 176 \\ 19 \overline{) 3359} \\ \underline{3344} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 23 = 146 \text{ remainder } 1$$

$$\begin{array}{r} 146 \\ 23 \overline{) 3359} \\ \underline{3358} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 29 = 115 \text{ remainder } 24$$

$$\begin{array}{r} 115 \\ 29 \overline{) 3359} \\ \underline{3335} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$3359 \div 31 = 108 \text{ remainder } 11$$

$$\begin{array}{r} 108 \\ 31 \overline{) 3359} \end{array}$$

$$\begin{array}{r} 3348 \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3359 \div 37 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 37 \overline{) 3359} \\ \underline{3330} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3359 \div 41 = 81 \text{ remainder } 38$$

$$\begin{array}{r} 81 \\ 41 \overline{) 3359} \\ \underline{3321} \\ - - - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$3359 \div 43 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 43 \overline{) 3359} \\ \underline{3354} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3359 \div 47 = 71 \text{ remainder } 22$$

$$\begin{array}{r} 71 \\ 47 \overline{) 3359} \\ \underline{3337} \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3359 \div 53 = 63 \text{ remainder } 20$$

$$\begin{array}{r} 63 \\ 53 \overline{) 3359} \\ \underline{3339} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

## **P<sub>474</sub> 3361**

$$3361 \div 2 = 1680 \text{ remainder } 1$$

$$\begin{array}{r} 1680 \\ 2 \overline{) 3361} \\ \underline{3360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3361 \div 3 = 1120 \text{ remainder } 1$$

$$\begin{array}{r} 1120 \\ 3 \overline{) 3361} \\ \underline{3360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3361 \div 5 = 672 \text{ remainder } 1$$

$$\begin{array}{r} 672 \\ 5 \overline{) 3361} \\ \underline{3360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3361 \div 7 = 480 \text{ remainder } 1$$

$$\begin{array}{r} 480 \\ 7 \overline{) 3361} \\ \underline{3360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3361 \div 11 = 305 \text{ remainder } 6$$

$$\begin{array}{r} 305 \\ 11 \overline{) 3361} \\ \underline{3355} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3361 \div 13 = 258 \text{ remainder } 7$$

$$\begin{array}{r} 258 \\ 13 \overline{) 3361} \\ \underline{3354} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3361 \div 17 = 197 \text{ remainder } 12$$

$$\begin{array}{r} 197 \\ 17 \overline{) 3361} \\ \underline{3349} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3361 \div 19 = 176 \text{ remainder } 17$$

$$\begin{array}{r} 176 \\ 19 \overline{) 3361} \\ \underline{3344} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3361 \div 23 = 146 \text{ remainder } 3$$

$$\begin{array}{r} 146 \\ 23 \overline{) 3361} \\ \underline{3358} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3361 \div 29 = 115 \text{ remainder } 26$$

$$\begin{array}{r} 115 \\ 29 \overline{) 3361} \\ \underline{3335} \phantom{00} \\ 26 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3361 \div 31 = 108 \text{ remainder } 13$$

$$\begin{array}{r} 108 \\ 31 \overline{) 3361} \end{array}$$

$$\begin{array}{r} 3348 \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3361 \div 37 = 90 \text{ remainder } 31$$

$$\begin{array}{r} 90 \\ 37 \overline{) 3361} \\ \underline{3330} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3361 \div 41 = 81 \text{ remainder } 40$$

$$\begin{array}{r} 81 \\ 41 \overline{) 3361} \\ \underline{3321} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$3361 \div 43 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 43 \overline{) 3361} \\ \underline{3354} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3361 \div 47 = 71 \text{ remainder } 24$$

$$\begin{array}{r} 71 \\ 47 \overline{) 3361} \\ \underline{3337} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3361 \div 53 = 63 \text{ remainder } 22$$

$$\begin{array}{r} 63 \\ 53 \overline{) 3361} \\ \underline{3339} \\ 22 \leftarrow \text{remainder} \end{array}$$

## **P<sub>475</sub> 3371**

$$3371 \div 2 = 1685 \text{ remainder } 1$$

$$\begin{array}{r} 1685 \\ 2 \overline{) 3371} \\ \underline{3370} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 3 = 1123 \text{ remainder } 2$$

$$\begin{array}{r} 1123 \\ 3 \overline{) 3371} \\ \underline{3369} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 5 = 674 \text{ remainder } 1$$

$$\begin{array}{r} 674 \\ 5 \overline{) 3371} \\ \underline{3370} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 7 = 481 \text{ remainder } 4$$

$$\begin{array}{r} 481 \\ 7 \overline{) 3371} \\ \underline{3367} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 11 = 306 \text{ remainder } 5$$

$$\begin{array}{r} 306 \\ 11 \overline{) 3371} \\ \underline{3366} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 13 = 259 \text{ remainder } 4$$

$$\begin{array}{r} 259 \\ 13 \overline{) 3371} \\ \underline{3367} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 17 = 198 \text{ remainder } 5$$

$$\begin{array}{r} 198 \\ 17 \overline{) 3371} \\ \underline{3366} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 19 = 177 \text{ remainder } 8$$

$$\begin{array}{r} 177 \\ 19 \overline{) 3371} \\ \underline{3363} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 23 = 146 \text{ remainder } 13$$

$$\begin{array}{r} 146 \\ 23 \overline{) 3371} \\ \underline{3358} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 29 = 116 \text{ remainder } 7$$

$$\begin{array}{r} 116 \\ 29 \overline{) 3371} \\ \underline{3364} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3371 \div 31 = 108 \text{ remainder } 23$$

$$\begin{array}{r} 108 \\ 31 \overline{) 3371} \end{array}$$



$$\begin{array}{r} 3348 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3371 \div 37 = 91 \text{ remainder } 4$$

$$\begin{array}{r} 91 \\ 37 \overline{) 3371} \\ \underline{3367} \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3371 \div 41 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 41 \overline{) 3371} \\ \underline{3362} \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3371 \div 43 = 78 \text{ remainder } 17$$

$$\begin{array}{r} 78 \\ 43 \overline{) 3371} \\ \underline{3354} \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3371 \div 47 = 71 \text{ remainder } 34$$

$$\begin{array}{r} 71 \\ 47 \overline{) 3371} \\ \underline{3337} \\ - - - - \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3371 \div 53 = 63 \text{ remainder } 32$$

$$\begin{array}{r} 63 \\ 53 \overline{) 3371} \\ \underline{3339} \\ - - - - \\ 32 \leftarrow \text{remainder} \end{array}$$

## **P<sub>476</sub> 3373**

$$3373 \div 2 = 1686 \text{ remainder } 1$$

$$\begin{array}{r} 1686 \\ 2 \overline{) 3373} \\ \underline{3372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 3 = 1124 \text{ remainder } 1$$

$$\begin{array}{r} 1124 \\ 3 \overline{) 3373} \\ \underline{3372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 5 = 674 \text{ remainder } 3$$

$$\begin{array}{r} 674 \\ 5 \overline{) 3373} \\ \underline{3370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 7 = 481 \text{ remainder } 6$$

$$\begin{array}{r} 481 \\ 7 \overline{) 3373} \\ \underline{3367} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 11 = 306 \text{ remainder } 7$$

$$\begin{array}{r} 306 \\ 11 \overline{) 3373} \\ \underline{3366} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 13 = 259 \text{ remainder } 6$$

$$\begin{array}{r} 259 \\ 13 \overline{) 3373} \\ \underline{3367} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 17 = 198 \text{ remainder } 7$$

$$\begin{array}{r} 198 \\ 17 \overline{) 3373} \\ \underline{3366} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 19 = 177 \text{ remainder } 10$$

$$\begin{array}{r} 177 \\ 19 \overline{) 3373} \\ \underline{3363} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 23 = 146 \text{ remainder } 15$$

$$\begin{array}{r} 146 \\ 23 \overline{) 3373} \\ \underline{3358} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 29 = 116 \text{ remainder } 9$$

$$\begin{array}{r} 116 \\ 29 \overline{) 3373} \\ \underline{3364} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3373 \div 31 = 108 \text{ remainder } 25$$

$$\begin{array}{r} 108 \\ 31 \overline{) 3373} \end{array}$$

$$\begin{array}{r} 3348 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3373 \div 37 = 91 \text{ remainder } 6$$

$$\begin{array}{r} 91 \\ 37 \overline{) 3373} \\ \underline{3367} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3373 \div 41 = 82 \text{ remainder } 11$$

$$\begin{array}{r} 82 \\ 41 \overline{) 3373} \\ \underline{3362} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3373 \div 43 = 78 \text{ remainder } 19$$

$$\begin{array}{r} 78 \\ 43 \overline{) 3373} \\ \underline{3354} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3373 \div 47 = 71 \text{ remainder } 36$$

$$\begin{array}{r} 71 \\ 47 \overline{) 3373} \\ \underline{3337} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3373 \div 53 = 63 \text{ remainder } 34$$

$$\begin{array}{r} 63 \\ 53 \overline{) 3373} \\ \underline{3339} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

## **P<sub>477</sub> 3389**

$$3389 \div 2 = 1694 \text{ remainder } 1$$

$$\begin{array}{r} 1694 \\ 2 \overline{) 3389} \\ \underline{3388} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 3 = 1129 \text{ remainder } 2$$

$$\begin{array}{r} 1129 \\ 3 \overline{) 3389} \\ \underline{3387} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 5 = 677 \text{ remainder } 4$$

$$\begin{array}{r} 677 \\ 5 \overline{) 3389} \\ \underline{3385} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 7 = 484 \text{ remainder } 1$$

$$\begin{array}{r} 484 \\ 7 \overline{) 3389} \\ \underline{3388} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 11 = 308 \text{ remainder } 1$$

$$\begin{array}{r} 308 \\ 11 \overline{) 3389} \\ \underline{3388} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 13 = 260 \text{ remainder } 9$$

$$\begin{array}{r} 260 \\ 13 \overline{) 3389} \\ \underline{3380} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 17 = 199 \text{ remainder } 6$$

$$\begin{array}{r} 199 \\ 17 \overline{) 3389} \\ \underline{3383} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 19 = 178 \text{ remainder } 7$$

$$\begin{array}{r} 178 \\ 19 \overline{) 3389} \\ \underline{3382} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 23 = 147 \text{ remainder } 8$$

$$\begin{array}{r} 147 \\ 23 \overline{) 3389} \\ \underline{3381} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 29 = 116 \text{ remainder } 25$$

$$\begin{array}{r} 116 \\ 29 \overline{) 3389} \\ \underline{3364} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$3389 \div 31 = 109 \text{ remainder } 10$$

$$\begin{array}{r} 109 \\ 31 \overline{) 3389} \end{array}$$

$$\begin{array}{r} 3379 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3389 \div 37 = 91 \text{ remainder } 22$$

$$\begin{array}{r} 91 \\ 37 \overline{) 3389} \\ \underline{3367} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3389 \div 41 = 82 \text{ remainder } 27$$

$$\begin{array}{r} 82 \\ 41 \overline{) 3389} \\ \underline{3362} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3389 \div 43 = 78 \text{ remainder } 35$$

$$\begin{array}{r} 78 \\ 43 \overline{) 3389} \\ \underline{3354} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3389 \div 47 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 47 \overline{) 3389} \\ \underline{3384} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3389 \div 53 = 63 \text{ remainder } 50$$

$$\begin{array}{r} 63 \\ 53 \overline{) 3389} \\ \underline{3339} \\ \text{----} \\ 50 \leftarrow \text{remainder} \end{array}$$

## **P<sub>478</sub> 3391**

$$3391 \div 2 = 1695 \text{ remainder } 1$$

$$\begin{array}{r} 1695 \\ 2 \overline{) 3391} \\ \underline{3390} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 3 = 1130 \text{ remainder } 1$$

$$\begin{array}{r} 1130 \\ 3 \overline{) 3391} \\ \underline{3390} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 5 = 678 \text{ remainder } 1$$

$$\begin{array}{r} 678 \\ 5 \overline{) 3391} \\ \underline{3390} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 7 = 484 \text{ remainder } 3$$

$$\begin{array}{r} 484 \\ 7 \overline{) 3391} \\ \underline{3388} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 11 = 308 \text{ remainder } 3$$

$$\begin{array}{r} 308 \\ 11 \overline{) 3391} \\ \underline{3388} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$3391 \div 13 = 260 \text{ remainder } 11$$

$$\begin{array}{r} 260 \\ 13 \overline{) 3391} \\ \underline{3380} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 17 = 199 \text{ remainder } 8$$

$$\begin{array}{r} 199 \\ 17 \overline{) 3391} \\ \underline{3383} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 19 = 178 \text{ remainder } 9$$

$$\begin{array}{r} 178 \\ 19 \overline{) 3391} \\ \underline{3382} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 23 = 147 \text{ remainder } 10$$

$$\begin{array}{r} 147 \\ 23 \overline{) 3391} \\ \underline{3381} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 29 = 116 \text{ remainder } 27$$

$$\begin{array}{r} 116 \\ 29 \overline{) 3391} \\ \underline{3364} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$3391 \div 31 = 109 \text{ remainder } 12$$

$$\begin{array}{r} 109 \\ 31 \overline{) 3391} \end{array}$$

$$\begin{array}{r} 3379 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3391 \div 37 = 91 \text{ remainder } 24$$

$$\begin{array}{r} 91 \\ 37 \overline{) 3391} \\ \underline{3367} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3391 \div 41 = 82 \text{ remainder } 29$$

$$\begin{array}{r} 82 \\ 41 \overline{) 3391} \\ \underline{3362} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3391 \div 43 = 78 \text{ remainder } 37$$

$$\begin{array}{r} 78 \\ 43 \overline{) 3391} \\ \underline{3354} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$3391 \div 47 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 47 \overline{) 3391} \\ \underline{3384} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3391 \div 53 = 63 \text{ remainder } 52$$

$$\begin{array}{r} 63 \\ 53 \overline{) 3391} \\ \underline{3339} \\ 52 \leftarrow \text{remainder} \end{array}$$

## **P<sub>479</sub> 3407**

$$3407 \div 2 = 1703 \text{ remainder } 1$$

$$\begin{array}{r} 1703 \\ 2 \overline{) 3407} \\ \underline{3406} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 3 = 1135 \text{ remainder } 2$$

$$\begin{array}{r} 1135 \\ 3 \overline{) 3407} \\ \underline{3405} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 5 = 681 \text{ remainder } 2$$

$$\begin{array}{r} 681 \\ 5 \overline{) 3407} \\ \underline{3405} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 7 = 486 \text{ remainder } 5$$

$$\begin{array}{r} 486 \\ 7 \overline{) 3407} \\ \underline{3402} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 11 = 309 \text{ remainder } 8$$

$$\begin{array}{r} 309 \\ 11 \overline{) 3407} \\ \underline{3399} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 13 = 262 \text{ remainder } 1$$

$$\begin{array}{r} 262 \\ 13 \overline{) 3407} \\ \underline{3406} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 17 = 200 \text{ remainder } 7$$

$$\begin{array}{r} 200 \\ 17 \overline{) 3407} \\ \underline{3400} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 19 = 179 \text{ remainder } 6$$

$$\begin{array}{r} 179 \\ 19 \overline{) 3407} \\ \underline{3401} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 23 = 148 \text{ remainder } 3$$

$$\begin{array}{r} 148 \\ 23 \overline{) 3407} \\ \underline{3404} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 29 = 117 \text{ remainder } 14$$

$$\begin{array}{r} 117 \\ 29 \overline{) 3407} \\ \underline{3393} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3407 \div 31 = 109 \text{ remainder } 28$$

$$\begin{array}{r} 109 \\ 31 \overline{) 3407} \end{array}$$

$$\begin{array}{r} 3379 \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3407 \div 37 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 37 \overline{) 3407} \\ \underline{3404} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3407 \div 41 = 83 \text{ remainder } 4$$

$$\begin{array}{r} 83 \\ 41 \overline{) 3407} \\ \underline{3403} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3407 \div 43 = 79 \text{ remainder } 10$$

$$\begin{array}{r} 79 \\ 43 \overline{) 3407} \\ \underline{3397} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3407 \div 47 = 72 \text{ remainder } 23$$

$$\begin{array}{r} 72 \\ 47 \overline{) 3407} \\ \underline{3384} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3407 \div 53 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 53 \overline{) 3407} \\ \underline{3392} \\ 15 \leftarrow \text{remainder} \end{array}$$

## **P<sub>480</sub> 3413**

$$3413 \div 2 = 1706 \text{ remainder } 1$$

$$\begin{array}{r} 1706 \\ 2 \overline{) 3413} \\ \underline{3412} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 3 = 1137 \text{ remainder } 2$$

$$\begin{array}{r} 1137 \\ 3 \overline{) 3413} \\ \underline{3411} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 5 = 682 \text{ remainder } 3$$

$$\begin{array}{r} 682 \\ 5 \overline{) 3413} \\ \underline{3410} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 7 = 487 \text{ remainder } 4$$

$$\begin{array}{r} 487 \\ 7 \overline{) 3413} \\ \underline{3409} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 11 = 310 \text{ remainder } 3$$

$$\begin{array}{r} 310 \\ 11 \overline{) 3413} \\ \underline{3410} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 13 = 262 \text{ remainder } 7$$

$$\begin{array}{r} 262 \\ 13 \overline{) 3413} \\ \underline{3406} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 17 = 200 \text{ remainder } 13$$

$$\begin{array}{r} 200 \\ 17 \overline{) 3413} \\ \underline{3400} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 19 = 179 \text{ remainder } 12$$

$$\begin{array}{r} 179 \\ 19 \overline{) 3413} \\ \underline{3401} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 23 = 148 \text{ remainder } 9$$

$$\begin{array}{r} 148 \\ 23 \overline{) 3413} \\ \underline{3404} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 29 = 117 \text{ remainder } 20$$

$$\begin{array}{r} 117 \\ 29 \overline{) 3413} \\ \underline{3393} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3413 \div 31 = 110 \text{ remainder } 3$$

$$\begin{array}{r} 110 \\ 31 \overline{) 3413} \end{array}$$

$$\begin{array}{r} 3410 \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3413 \div 37 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 37 \overline{) 3413} \\ \underline{3404} \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3413 \div 41 = 83 \text{ remainder } 10$$

$$\begin{array}{r} 83 \\ 41 \overline{) 3413} \\ \underline{3403} \\ - - - - \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3413 \div 43 = 79 \text{ remainder } 16$$

$$\begin{array}{r} 79 \\ 43 \overline{) 3413} \\ \underline{3397} \\ - - - - \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3413 \div 47 = 72 \text{ remainder } 29$$

$$\begin{array}{r} 72 \\ 47 \overline{) 3413} \\ \underline{3384} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3413 \div 53 = 64 \text{ remainder } 21$$

$$\begin{array}{r} 64 \\ 53 \overline{) 3413} \\ \underline{3392} \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$



## **P<sub>481</sub> 3433**

$$3433 \div 2 = 1716 \text{ remainder } 1$$

$$\begin{array}{r} 1716 \\ 2 \overline{) 3433} \\ \underline{3432} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 3 = 1144 \text{ remainder } 1$$

$$\begin{array}{r} 1144 \\ 3 \overline{) 3433} \\ \underline{3432} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 5 = 686 \text{ remainder } 3$$

$$\begin{array}{r} 686 \\ 5 \overline{) 3433} \\ \underline{3430} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 7 = 490 \text{ remainder } 3$$

$$\begin{array}{r} 490 \\ 7 \overline{) 3433} \\ \underline{3430} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 11 = 312 \text{ remainder } 1$$

$$\begin{array}{r} 312 \\ 11 \overline{) 3433} \\ \underline{3432} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 13 = 264 \text{ remainder } 1$$

$$\begin{array}{r} 264 \\ 13 \overline{) 3433} \\ \underline{3432} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 17 = 201 \text{ remainder } 16$$

$$\begin{array}{r} 201 \\ 17 \overline{) 3433} \\ \underline{3417} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 19 = 180 \text{ remainder } 13$$

$$\begin{array}{r} 180 \\ 19 \overline{) 3433} \\ \underline{3420} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 23 = 149 \text{ remainder } 6$$

$$\begin{array}{r} 149 \\ 23 \overline{) 3433} \\ \underline{3427} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 29 = 118 \text{ remainder } 11$$

$$\begin{array}{r} 118 \\ 29 \overline{) 3433} \\ \underline{3422} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3433 \div 31 = 110 \text{ remainder } 23$$

$$\begin{array}{r} 110 \\ 31 \overline{) 3433} \end{array}$$

$$\begin{array}{r} 3410 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3433 \div 37 = 92 \text{ remainder } 29$$

$$\begin{array}{r} 92 \\ 37 \mid \overline{3433} \\ \underline{3404} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3433 \div 41 = 83 \text{ remainder } 30$$

$$\begin{array}{r} 83 \\ 41 \mid \overline{3433} \\ \underline{3403} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3433 \div 43 = 79 \text{ remainder } 36$$

$$\begin{array}{r} 79 \\ 43 \mid \overline{3433} \\ \underline{3397} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3433 \div 47 = 73 \text{ remainder } 2$$

$$\begin{array}{r} 73 \\ 47 \mid \overline{3433} \\ \underline{3431} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3433 \div 53 = 64 \text{ remainder } 41$$

$$\begin{array}{r} 64 \\ 53 \mid \overline{3433} \\ \underline{3392} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

## **P<sub>482</sub> 3449**

$$3449 \div 2 = 1724 \text{ remainder } 1$$

$$\begin{array}{r} 1724 \\ 2 \overline{) 3449} \\ \underline{3448} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 3 = 1149 \text{ remainder } 2$$

$$\begin{array}{r} 1149 \\ 3 \overline{) 3449} \\ \underline{3447} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 5 = 689 \text{ remainder } 4$$

$$\begin{array}{r} 689 \\ 5 \overline{) 3449} \\ \underline{3445} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 7 = 492 \text{ remainder } 5$$

$$\begin{array}{r} 492 \\ 7 \overline{) 3449} \\ \underline{3444} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 11 = 313 \text{ remainder } 6$$

$$\begin{array}{r} 313 \\ 11 \overline{) 3449} \\ \underline{3443} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 13 = 265 \text{ remainder } 4$$

$$\begin{array}{r} 265 \\ 13 \overline{) 3449} \\ \underline{3445} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 17 = 202 \text{ remainder } 15$$

$$\begin{array}{r} 202 \\ 17 \overline{) 3449} \\ \underline{3434} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 19 = 181 \text{ remainder } 10$$

$$\begin{array}{r} 181 \\ 19 \overline{) 3449} \\ \underline{3439} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 23 = 149 \text{ remainder } 22$$

$$\begin{array}{r} 149 \\ 23 \overline{) 3449} \\ \underline{3427} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 29 = 118 \text{ remainder } 27$$

$$\begin{array}{r} 118 \\ 29 \overline{) 3449} \\ \underline{3422} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$3449 \div 31 = 111 \text{ remainder } 8$$

$$\begin{array}{r} 111 \\ 31 \overline{) 3449} \end{array}$$

$$\begin{array}{r} 3441 \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3449 \div 37 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 37 \mid \overline{3449} \\ \underline{3441} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3449 \div 41 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 41 \mid \overline{3449} \\ \underline{3444} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3449 \div 43 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 43 \mid \overline{3449} \\ \underline{3440} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3449 \div 47 = 73 \text{ remainder } 18$$

$$\begin{array}{r} 73 \\ 47 \mid \overline{3449} \\ \underline{3431} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3449 \div 53 = 65 \text{ remainder } 4$$

$$\begin{array}{r} 65 \\ 53 \mid \overline{3449} \\ \underline{3445} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

## **P<sub>483</sub> 3457**

$$3457 \div 2 = 1728 \text{ remainder } 1$$

$$\begin{array}{r} 1728 \\ 2 \overline{) 3457} \\ \underline{3456} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 3 = 1152 \text{ remainder } 1$$

$$\begin{array}{r} 1152 \\ 3 \overline{) 3457} \\ \underline{3456} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 5 = 691 \text{ remainder } 2$$

$$\begin{array}{r} 691 \\ 5 \overline{) 3457} \\ \underline{3455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 7 = 493 \text{ remainder } 6$$

$$\begin{array}{r} 493 \\ 7 \overline{) 3457} \\ \underline{3451} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 11 = 314 \text{ remainder } 3$$

$$\begin{array}{r} 314 \\ 11 \overline{) 3457} \\ \underline{3454} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 13 = 265 \text{ remainder } 12$$

$$\begin{array}{r} 265 \\ 13 \overline{) 3457} \\ \underline{3445} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 17 = 203 \text{ remainder } 6$$

$$\begin{array}{r} 203 \\ 17 \overline{) 3457} \\ \underline{3451} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 19 = 181 \text{ remainder } 18$$

$$\begin{array}{r} 181 \\ 19 \overline{) 3457} \\ \underline{3439} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 23 = 150 \text{ remainder } 7$$

$$\begin{array}{r} 150 \\ 23 \overline{) 3457} \\ \underline{3450} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 29 = 119 \text{ remainder } 6$$

$$\begin{array}{r} 119 \\ 29 \overline{) 3457} \\ \underline{3451} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3457 \div 31 = 111 \text{ remainder } 16$$

$$\begin{array}{r} 111 \\ 31 \overline{) 3457} \end{array}$$



$$\begin{array}{r} 3441 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3457 \div 37 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 37 \overline{) 3457} \\ \underline{3441} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3457 \div 41 = 84 \text{ remainder } 13$$

$$\begin{array}{r} 84 \\ 41 \overline{) 3457} \\ \underline{3444} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3457 \div 43 = 80 \text{ remainder } 17$$

$$\begin{array}{r} 80 \\ 43 \overline{) 3457} \\ \underline{3440} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3457 \div 47 = 73 \text{ remainder } 26$$

$$\begin{array}{r} 73 \\ 47 \overline{) 3457} \\ \underline{3431} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3457 \div 53 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 53 \overline{) 3457} \\ \underline{3445} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

## **P<sub>484</sub> 3461**

$$3461 \div 2 = 1730 \text{ remainder } 1$$

$$\begin{array}{r} 1730 \\ 2 \overline{) 3461} \\ \underline{3460} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 3 = 1153 \text{ remainder } 2$$

$$\begin{array}{r} 1153 \\ 3 \overline{) 3461} \\ \underline{3459} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 5 = 692 \text{ remainder } 1$$

$$\begin{array}{r} 692 \\ 5 \overline{) 3461} \\ \underline{3460} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 7 = 494 \text{ remainder } 3$$

$$\begin{array}{r} 494 \\ 7 \overline{) 3461} \\ \underline{3458} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 11 = 314 \text{ remainder } 7$$

$$\begin{array}{r} 314 \\ 11 \overline{) 3461} \\ \underline{3454} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 13 = 266 \text{ remainder } 3$$

$$\begin{array}{r} 266 \\ 13 \overline{) 3461} \\ \underline{3458} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 17 = 203 \text{ remainder } 10$$

$$\begin{array}{r} 203 \\ 17 \overline{) 3461} \\ \underline{3451} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 19 = 182 \text{ remainder } 3$$

$$\begin{array}{r} 182 \\ 19 \overline{) 3461} \\ \underline{3458} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 23 = 150 \text{ remainder } 11$$

$$\begin{array}{r} 150 \\ 23 \overline{) 3461} \\ \underline{3450} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 29 = 119 \text{ remainder } 10$$

$$\begin{array}{r} 119 \\ 29 \overline{) 3461} \\ \underline{3451} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3461 \div 31 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 31 \overline{) 3461} \end{array}$$

$$\begin{array}{r} 3441 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3461 \div 37 = 93 \text{ remainder } 20$$

$$\begin{array}{r} 93 \\ 37 \overline{) 3461} \\ \underline{3441} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3461 \div 41 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 41 \overline{) 3461} \\ \underline{3444} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3461 \div 43 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 43 \overline{) 3461} \\ \underline{3440} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3461 \div 47 = 73 \text{ remainder } 30$$

$$\begin{array}{r} 73 \\ 47 \overline{) 3461} \\ \underline{3431} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3461 \div 53 = 65 \text{ remainder } 16$$

$$\begin{array}{r} 65 \\ 53 \overline{) 3461} \\ \underline{3445} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

## **P<sub>485</sub> 3463**

$$3463 \div 2 = 1731 \text{ remainder } 1$$

$$\begin{array}{r} 1731 \\ 2 \overline{) 3463} \\ \underline{3462} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 3 = 1154 \text{ remainder } 1$$

$$\begin{array}{r} 1154 \\ 3 \overline{) 3463} \\ \underline{3462} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 5 = 692 \text{ remainder } 3$$

$$\begin{array}{r} 692 \\ 5 \overline{) 3463} \\ \underline{3460} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 7 = 494 \text{ remainder } 5$$

$$\begin{array}{r} 494 \\ 7 \overline{) 3463} \\ \underline{3458} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 11 = 314 \text{ remainder } 9$$

$$\begin{array}{r} 314 \\ 11 \overline{) 3463} \\ \underline{3454} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 13 = 266 \text{ remainder } 5$$

$$\begin{array}{r} 266 \\ 13 \overline{) 3463} \\ \underline{3458} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 17 = 203 \text{ remainder } 12$$

$$\begin{array}{r} 203 \\ 17 \overline{) 3463} \\ \underline{3451} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 19 = 182 \text{ remainder } 5$$

$$\begin{array}{r} 182 \\ 19 \overline{) 3463} \\ \underline{3458} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 23 = 150 \text{ remainder } 13$$

$$\begin{array}{r} 150 \\ 23 \overline{) 3463} \\ \underline{3450} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 29 = 119 \text{ remainder } 12$$

$$\begin{array}{r} 119 \\ 29 \overline{) 3463} \\ \underline{3451} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3463 \div 31 = 111 \text{ remainder } 22$$

$$\begin{array}{r} 111 \\ 31 \overline{) 3463} \end{array}$$

$$\begin{array}{r} 3441 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3463 \div 37 = 93 \text{ remainder } 22$$

$$\begin{array}{r} 93 \\ 37 \overline{) 3463} \\ \underline{3441} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3463 \div 41 = 84 \text{ remainder } 19$$

$$\begin{array}{r} 84 \\ 41 \overline{) 3463} \\ \underline{3444} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3463 \div 43 = 80 \text{ remainder } 23$$

$$\begin{array}{r} 80 \\ 43 \overline{) 3463} \\ \underline{3440} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3463 \div 47 = 73 \text{ remainder } 32$$

$$\begin{array}{r} 73 \\ 47 \overline{) 3463} \\ \underline{3431} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3463 \div 53 = 65 \text{ remainder } 18$$

$$\begin{array}{r} 65 \\ 53 \overline{) 3463} \\ \underline{3445} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

## **P<sub>486</sub> 3467**

$$3467 \div 2 = 1733 \text{ remainder } 1$$

$$\begin{array}{r} 1733 \\ 2 \overline{) 3467} \\ \underline{3466} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 3 = 1155 \text{ remainder } 2$$

$$\begin{array}{r} 1155 \\ 3 \overline{) 3467} \\ \underline{3465} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 5 = 693 \text{ remainder } 2$$

$$\begin{array}{r} 693 \\ 5 \overline{) 3467} \\ \underline{3465} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 7 = 495 \text{ remainder } 2$$

$$\begin{array}{r} 495 \\ 7 \overline{) 3467} \\ \underline{3465} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 11 = 315 \text{ remainder } 2$$

$$\begin{array}{r} 315 \\ 11 \overline{) 3467} \\ \underline{3465} \\ 2 \end{array} \leftarrow \text{remainder}$$



$$3467 \div 13 = 266 \text{ remainder } 9$$

$$\begin{array}{r} 266 \\ 13 \overline{) 3467} \\ \underline{3458} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 17 = 203 \text{ remainder } 16$$

$$\begin{array}{r} 203 \\ 17 \overline{) 3467} \\ \underline{3451} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 19 = 182 \text{ remainder } 9$$

$$\begin{array}{r} 182 \\ 19 \overline{) 3467} \\ \underline{3458} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 23 = 150 \text{ remainder } 17$$

$$\begin{array}{r} 150 \\ 23 \overline{) 3467} \\ \underline{3450} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 29 = 119 \text{ remainder } 16$$

$$\begin{array}{r} 119 \\ 29 \overline{) 3467} \\ \underline{3451} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3467 \div 31 = 111 \text{ remainder } 26$$

$$\begin{array}{r} 111 \\ 31 \overline{) 3467} \end{array}$$

$$\begin{array}{r} 3441 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3467 \div 37 = 93 \text{ remainder } 26$$

$$\begin{array}{r} 93 \\ 37 \overline{) 3467} \\ \underline{3441} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3467 \div 41 = 84 \text{ remainder } 23$$

$$\begin{array}{r} 84 \\ 41 \overline{) 3467} \\ \underline{3444} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3467 \div 43 = 80 \text{ remainder } 27$$

$$\begin{array}{r} 80 \\ 43 \overline{) 3467} \\ \underline{3440} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3467 \div 47 = 73 \text{ remainder } 36$$

$$\begin{array}{r} 73 \\ 47 \overline{) 3467} \\ \underline{3431} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3467 \div 53 = 65 \text{ remainder } 22$$

$$\begin{array}{r} 65 \\ 53 \overline{) 3467} \\ \underline{3445} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

## **P<sub>487</sub> 3469**

$$3469 \div 2 = 1734 \text{ remainder } 1$$

$$\begin{array}{r} 1734 \\ 2 \overline{) 3469} \\ \underline{3468} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 3 = 1156 \text{ remainder } 1$$

$$\begin{array}{r} 1156 \\ 3 \overline{) 3469} \\ \underline{3468} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 5 = 693 \text{ remainder } 4$$

$$\begin{array}{r} 693 \\ 5 \overline{) 3469} \\ \underline{3465} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 7 = 495 \text{ remainder } 4$$

$$\begin{array}{r} 495 \\ 7 \overline{) 3469} \\ \underline{3465} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 11 = 315 \text{ remainder } 4$$

$$\begin{array}{r} 315 \\ 11 \overline{) 3469} \\ \underline{3465} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 13 = 266 \text{ remainder } 11$$

$$\begin{array}{r} 266 \\ 13 \overline{) 3469} \\ \underline{3458} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 17 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 204 \\ 17 \overline{) 3469} \\ \underline{3468} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 19 = 182 \text{ remainder } 11$$

$$\begin{array}{r} 182 \\ 19 \overline{) 3469} \\ \underline{3458} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 23 = 150 \text{ remainder } 19$$

$$\begin{array}{r} 150 \\ 23 \overline{) 3469} \\ \underline{3450} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 29 = 119 \text{ remainder } 18$$

$$\begin{array}{r} 119 \\ 29 \overline{) 3469} \\ \underline{3451} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3469 \div 31 = 111 \text{ remainder } 28$$

$$\begin{array}{r} 111 \\ 31 \overline{) 3469} \end{array}$$

$$\begin{array}{r} 3441 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3469 \div 37 = 93 \text{ remainder } 28$$

$$\begin{array}{r} 93 \\ 37 \overline{) 3469} \\ \underline{3441} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3469 \div 41 = 84 \text{ remainder } 25$$

$$\begin{array}{r} 84 \\ 41 \overline{) 3469} \\ \underline{3444} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3469 \div 43 = 80 \text{ remainder } 29$$

$$\begin{array}{r} 80 \\ 43 \overline{) 3469} \\ \underline{3440} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3469 \div 47 = 73 \text{ remainder } 38$$

$$\begin{array}{r} 73 \\ 47 \overline{) 3469} \\ \underline{3431} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$3469 \div 53 = 65 \text{ remainder } 24$$

$$\begin{array}{r} 65 \\ 53 \overline{) 3469} \\ \underline{3445} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

## **P<sub>488</sub> 3491**

$$3491 \div 2 = 1745 \text{ remainder } 1$$

$$\begin{array}{r} 1745 \\ 2 \overline{) 3491} \\ \underline{3490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 3 = 1163 \text{ remainder } 2$$

$$\begin{array}{r} 1163 \\ 3 \overline{) 3491} \\ \underline{3489} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 5 = 698 \text{ remainder } 1$$

$$\begin{array}{r} 698 \\ 5 \overline{) 3491} \\ \underline{3490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 7 = 498 \text{ remainder } 5$$

$$\begin{array}{r} 498 \\ 7 \overline{) 3491} \\ \underline{3486} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 11 = 317 \text{ remainder } 4$$

$$\begin{array}{r} 317 \\ 11 \overline{) 3491} \\ \underline{3487} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 13 = 268 \text{ remainder } 7$$

$$\begin{array}{r} 268 \\ 13 \overline{) 3491} \\ \underline{3484} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 17 = 205 \text{ remainder } 6$$

$$\begin{array}{r} 205 \\ 17 \overline{) 3491} \\ \underline{3485} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 19 = 183 \text{ remainder } 14$$

$$\begin{array}{r} 183 \\ 19 \overline{) 3491} \\ \underline{3477} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 23 = 151 \text{ remainder } 18$$

$$\begin{array}{r} 151 \\ 23 \overline{) 3491} \\ \underline{3473} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 29 = 120 \text{ remainder } 11$$

$$\begin{array}{r} 120 \\ 29 \overline{) 3491} \\ \underline{3480} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3491 \div 31 = 112 \text{ remainder } 19$$

$$\begin{array}{r} 112 \\ 31 \overline{) 3491} \end{array}$$

$$\begin{array}{r} 3472 \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3491 \div 37 = 94 \text{ remainder } 13$$

$$\begin{array}{r} 94 \\ 37 \overline{) 3491} \\ \underline{3478} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3491 \div 41 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 41 \overline{) 3491} \\ \underline{3485} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3491 \div 43 = 81 \text{ remainder } 8$$

$$\begin{array}{r} 81 \\ 43 \overline{) 3491} \\ \underline{3483} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3491 \div 47 = 74 \text{ remainder } 13$$

$$\begin{array}{r} 74 \\ 47 \overline{) 3491} \\ \underline{3478} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3491 \div 53 = 65 \text{ remainder } 46$$

$$\begin{array}{r} 65 \\ 53 \overline{) 3491} \\ \underline{3445} \\ 46 \leftarrow \text{remainder} \end{array}$$



$$3491 \div 59 = 59 \text{ remainder } 10$$

$$\begin{array}{r} 59 \\ 59 \overline{) 3491} \\ \underline{3481} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>489</sub> 3499**

$$3499 \div 2 = 1749 \text{ remainder } 1$$

$$\begin{array}{r} 1749 \\ 2 \overline{) 3499} \\ \underline{3498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 3 = 1166 \text{ remainder } 1$$

$$\begin{array}{r} 1166 \\ 3 \overline{) 3499} \\ \underline{3498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 5 = 699 \text{ remainder } 4$$

$$\begin{array}{r} 699 \\ 5 \overline{) 3499} \\ \underline{3495} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 7 = 499 \text{ remainder } 6$$

$$\begin{array}{r} 499 \\ 7 \overline{) 3499} \\ \underline{3493} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 11 = 318 \text{ remainder } 1$$

$$\begin{array}{r} 318 \\ 11 \overline{) 3499} \\ \underline{3498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 13 = 269 \text{ remainder } 2$$

$$\begin{array}{r} 269 \\ 13 \overline{) 3499} \\ \underline{3497} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 17 = 205 \text{ remainder } 14$$

$$\begin{array}{r} 205 \\ 17 \overline{) 3499} \\ \underline{3485} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 19 = 184 \text{ remainder } 3$$

$$\begin{array}{r} 184 \\ 19 \overline{) 3499} \\ \underline{3496} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 23 = 152 \text{ remainder } 3$$

$$\begin{array}{r} 152 \\ 23 \overline{) 3499} \\ \underline{3496} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 29 = 120 \text{ remainder } 19$$

$$\begin{array}{r} 120 \\ 29 \overline{) 3499} \\ \underline{3480} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3499 \div 31 = 112 \text{ remainder } 27$$

$$\begin{array}{r} 112 \\ 31 \overline{) 3499} \end{array}$$

$$\begin{array}{r} 3472 \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3499 \div 37 = 94 \text{ remainder } 21$$

$$\begin{array}{r} 94 \\ 37 \overline{) 3499} \\ \underline{3478} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3499 \div 41 = 85 \text{ remainder } 14$$

$$\begin{array}{r} 85 \\ 41 \overline{) 3499} \\ \underline{3485} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3499 \div 43 = 81 \text{ remainder } 16$$

$$\begin{array}{r} 81 \\ 43 \overline{) 3499} \\ \underline{3483} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3499 \div 47 = 74 \text{ remainder } 21$$

$$\begin{array}{r} 74 \\ 47 \overline{) 3499} \\ \underline{3478} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3499 \div 53 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3499} \\ \underline{3498} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3499 \div 59 = 59 \text{ remainder } 18$$

$$\begin{array}{r} 59 \\ 59 \overline{) 3499} \\ \underline{3481} \phantom{00} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>490</sub> 3511**

$$3511 \div 2 = 1755 \text{ remainder } 1$$

$$\begin{array}{r} 1755 \\ 2 \overline{) 3511} \\ \underline{3510} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 3 = 1170 \text{ remainder } 1$$

$$\begin{array}{r} 1170 \\ 3 \overline{) 3511} \\ \underline{3510} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 5 = 702 \text{ remainder } 1$$

$$\begin{array}{r} 702 \\ 5 \overline{) 3511} \\ \underline{3510} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 7 = 501 \text{ remainder } 4$$

$$\begin{array}{r} 501 \\ 7 \overline{) 3511} \\ \underline{3507} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 11 = 319 \text{ remainder } 2$$

$$\begin{array}{r} 319 \\ 11 \overline{) 3511} \\ \underline{3509} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 13 = 270 \text{ remainder } 1$$

$$\begin{array}{r} 270 \\ 13 \overline{) 3511} \\ \underline{3510} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 17 = 206 \text{ remainder } 9$$

$$\begin{array}{r} 206 \\ 17 \overline{) 3511} \\ \underline{3502} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 19 = 184 \text{ remainder } 15$$

$$\begin{array}{r} 184 \\ 19 \overline{) 3511} \\ \underline{3496} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 23 = 152 \text{ remainder } 15$$

$$\begin{array}{r} 152 \\ 23 \overline{) 3511} \\ \underline{3496} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 29 = 121 \text{ remainder } 2$$

$$\begin{array}{r} 121 \\ 29 \overline{) 3511} \\ \underline{3509} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3511 \div 31 = 113 \text{ remainder } 8$$

$$\begin{array}{r} 113 \\ 31 \overline{) 3511} \end{array}$$

$$\begin{array}{r} 3503 \\ ---- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3511 \div 37 = 94 \text{ remainder } 33$$

$$\begin{array}{r} 94 \\ 37 \overline{) 3511} \\ \underline{3478} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3511 \div 41 = 85 \text{ remainder } 26$$

$$\begin{array}{r} 85 \\ 41 \overline{) 3511} \\ \underline{3485} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3511 \div 43 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 43 \overline{) 3511} \\ \underline{3483} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3511 \div 47 = 74 \text{ remainder } 33$$

$$\begin{array}{r} 74 \\ 47 \overline{) 3511} \\ \underline{3478} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3511 \div 53 = 66 \text{ remainder } 13$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3511} \\ \underline{3498} \\ 13 \leftarrow \text{remainder} \end{array}$$



$$3511 \div 59 = 59 \text{ remainder } 30$$

$$\begin{array}{r} 59 \\ 59 \overline{) 3511} \\ \underline{3481} \\ 30 \end{array} \leftarrow \text{remainder}$$

## **P<sub>491</sub> 3517**

$$3517 \div 2 = 1758 \text{ remainder } 1$$

$$\begin{array}{r} 1758 \\ 2 \overline{) 3517} \\ \underline{3516} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 3 = 1172 \text{ remainder } 1$$

$$\begin{array}{r} 1172 \\ 3 \overline{) 3517} \\ \underline{3516} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 5 = 703 \text{ remainder } 2$$

$$\begin{array}{r} 703 \\ 5 \overline{) 3517} \\ \underline{3515} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 7 = 502 \text{ remainder } 3$$

$$\begin{array}{r} 502 \\ 7 \overline{) 3517} \\ \underline{3514} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 11 = 319 \text{ remainder } 8$$

$$\begin{array}{r} 319 \\ 11 \overline{) 3517} \\ \underline{3509} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 13 = 270 \text{ remainder } 7$$

$$\begin{array}{r} 270 \\ 13 \overline{) 3517} \\ \underline{3510} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 17 = 206 \text{ remainder } 15$$

$$\begin{array}{r} 206 \\ 17 \overline{) 3517} \\ \underline{3502} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 19 = 185 \text{ remainder } 2$$

$$\begin{array}{r} 185 \\ 19 \overline{) 3517} \\ \underline{3515} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 23 = 152 \text{ remainder } 21$$

$$\begin{array}{r} 152 \\ 23 \overline{) 3517} \\ \underline{3496} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 29 = 121 \text{ remainder } 8$$

$$\begin{array}{r} 121 \\ 29 \overline{) 3517} \\ \underline{3509} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3517 \div 31 = 113 \text{ remainder } 14$$

$$\begin{array}{r} 113 \\ 31 \overline{) 3517} \end{array}$$

$$\begin{array}{r} 3503 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3517 \div 37 = 95 \text{ remainder } 2$$

$$\begin{array}{r} 95 \\ 37 \overline{) 3517} \\ \underline{3515} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3517 \div 41 = 85 \text{ remainder } 32$$

$$\begin{array}{r} 85 \\ 41 \overline{) 3517} \\ \underline{3485} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3517 \div 43 = 81 \text{ remainder } 34$$

$$\begin{array}{r} 81 \\ 43 \overline{) 3517} \\ \underline{3483} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3517 \div 47 = 74 \text{ remainder } 39$$

$$\begin{array}{r} 74 \\ 47 \overline{) 3517} \\ \underline{3478} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$3517 \div 53 = 66 \text{ remainder } 19$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3517} \\ \underline{3498} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3517 \div 59 = 59 \text{ remainder } 36$$

$$\begin{array}{r} 59 \\ 59 \overline{) 3517} \\ \underline{3481} \\ 36 \end{array} \leftarrow \text{remainder}$$

## **P<sub>492</sub> 3527**

$$3527 \div 2 = 1763 \text{ remainder } 1$$

$$\begin{array}{r} 1763 \\ 2 \overline{) 3527} \\ \underline{3526} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 3 = 1175 \text{ remainder } 2$$

$$\begin{array}{r} 1175 \\ 3 \overline{) 3527} \\ \underline{3525} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 5 = 705 \text{ remainder } 2$$

$$\begin{array}{r} 705 \\ 5 \overline{) 3527} \\ \underline{3525} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 7 = 503 \text{ remainder } 6$$

$$\begin{array}{r} 503 \\ 7 \overline{) 3527} \\ \underline{3521} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 11 = 320 \text{ remainder } 7$$

$$\begin{array}{r} 320 \\ 11 \overline{) 3527} \\ \underline{3520} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 13 = 271 \text{ remainder } 4$$

$$\begin{array}{r} 271 \\ 13 \overline{) 3527} \\ \underline{3523} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 17 = 207 \text{ remainder } 8$$

$$\begin{array}{r} 207 \\ 17 \overline{) 3527} \\ \underline{3519} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 19 = 185 \text{ remainder } 12$$

$$\begin{array}{r} 185 \\ 19 \overline{) 3527} \\ \underline{3515} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 23 = 153 \text{ remainder } 8$$

$$\begin{array}{r} 153 \\ 23 \overline{) 3527} \\ \underline{3519} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 29 = 121 \text{ remainder } 18$$

$$\begin{array}{r} 121 \\ 29 \overline{) 3527} \\ \underline{3509} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3527 \div 31 = 113 \text{ remainder } 24$$

$$\begin{array}{r} 113 \\ 31 \overline{) 3527} \end{array}$$

$$\begin{array}{r} 3503 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3527 \div 37 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 37 \overline{) 3527} \\ \underline{3515} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3527 \div 41 = 86 \text{ remainder } 1$$

$$\begin{array}{r} 86 \\ 41 \overline{) 3527} \\ \underline{3526} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3527 \div 43 = 82 \text{ remainder } 1$$

$$\begin{array}{r} 82 \\ 43 \overline{) 3527} \\ \underline{3526} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3527 \div 47 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3527} \\ \underline{3525} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3527 \div 53 = 66 \text{ remainder } 29$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3527} \\ \underline{3498} \\ 29 \leftarrow \text{remainder} \end{array}$$



$$3527 \div 59 = 59 \text{ remainder } 46$$

$$\begin{array}{r} 59 \\ 59 \overline{) 3527} \\ \underline{3481} \\ 46 \end{array} \leftarrow \text{remainder}$$

## **P<sub>493</sub> 3529**

$$3529 \div 2 = 1764 \text{ remainder } 1$$

$$\begin{array}{r} 1764 \\ 2 \overline{) 3529} \\ \underline{3528} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 3 = 1176 \text{ remainder } 1$$

$$\begin{array}{r} 1176 \\ 3 \overline{) 3529} \\ \underline{3528} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 5 = 705 \text{ remainder } 4$$

$$\begin{array}{r} 705 \\ 5 \overline{) 3529} \\ \underline{3525} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 7 = 504 \text{ remainder } 1$$

$$\begin{array}{r} 504 \\ 7 \overline{) 3529} \\ \underline{3528} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 11 = 320 \text{ remainder } 9$$

$$\begin{array}{r} 320 \\ 11 \overline{) 3529} \\ \underline{3520} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 13 = 271 \text{ remainder } 6$$

$$\begin{array}{r} 271 \\ 13 \overline{) 3529} \\ \underline{3523} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 17 = 207 \text{ remainder } 10$$

$$\begin{array}{r} 207 \\ 17 \overline{) 3529} \\ \underline{3519} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 19 = 185 \text{ remainder } 14$$

$$\begin{array}{r} 185 \\ 19 \overline{) 3529} \\ \underline{3515} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 23 = 153 \text{ remainder } 10$$

$$\begin{array}{r} 153 \\ 23 \overline{) 3529} \\ \underline{3519} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 29 = 121 \text{ remainder } 20$$

$$\begin{array}{r} 121 \\ 29 \overline{) 3529} \\ \underline{3509} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3529 \div 31 = 113 \text{ remainder } 26$$

$$\begin{array}{r} 113 \\ 31 \overline{) 3529} \end{array}$$

$$\begin{array}{r} 3503 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3529 \div 37 = 95 \text{ remainder } 14$$

$$\begin{array}{r} 95 \\ 37 \overline{) 3529} \\ \underline{3515} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3529 \div 41 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 41 \overline{) 3529} \\ \underline{3526} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3529 \div 43 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 43 \overline{) 3529} \\ \underline{3526} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3529 \div 47 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3529} \\ \underline{3525} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3529 \div 53 = 66 \text{ remainder } 31$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3529} \\ \underline{3498} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3529 \div 59 = 59 \text{ remainder } 48$$

$$\begin{array}{r} 59 \\ 59 \overline{) 3529} \\ \underline{3481} \\ 48 \end{array} \leftarrow \text{remainder}$$

## **P<sub>494</sub> 3533**

$$3533 \div 2 = 1766 \text{ remainder } 1$$

$$\begin{array}{r} 1766 \\ 2 \overline{) 3533} \\ \underline{3532} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 3 = 1177 \text{ remainder } 2$$

$$\begin{array}{r} 1177 \\ 3 \overline{) 3533} \\ \underline{3531} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 5 = 706 \text{ remainder } 3$$

$$\begin{array}{r} 706 \\ 5 \overline{) 3533} \\ \underline{3530} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 7 = 504 \text{ remainder } 5$$

$$\begin{array}{r} 504 \\ 7 \overline{) 3533} \\ \underline{3528} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 11 = 321 \text{ remainder } 2$$

$$\begin{array}{r} 321 \\ 11 \overline{) 3533} \\ \underline{3531} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 13 = 271 \text{ remainder } 10$$

$$\begin{array}{r} 271 \\ 13 \overline{) 3533} \\ \underline{3523} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 17 = 207 \text{ remainder } 14$$

$$\begin{array}{r} 207 \\ 17 \overline{) 3533} \\ \underline{3519} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 19 = 185 \text{ remainder } 18$$

$$\begin{array}{r} 185 \\ 19 \overline{) 3533} \\ \underline{3515} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 23 = 153 \text{ remainder } 14$$

$$\begin{array}{r} 153 \\ 23 \overline{) 3533} \\ \underline{3519} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 29 = 121 \text{ remainder } 24$$

$$\begin{array}{r} 121 \\ 29 \overline{) 3533} \\ \underline{3509} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$3533 \div 31 = 113 \text{ remainder } 30$$

$$\begin{array}{r} 113 \\ 31 \overline{) 3533} \end{array}$$

3503

----

30 ← remainder

$$3533 \div 37 = 95 \text{ remainder } 18$$

$$\begin{array}{r} 95 \\ 37 \overline{) 3533} \\ \underline{3515} \end{array}$$

----

18 ← remainder

$$3533 \div 41 = 86 \text{ remainder } 7$$

$$\begin{array}{r} 86 \\ 41 \overline{) 3533} \\ \underline{3526} \end{array}$$

----

7 ← remainder

$$3533 \div 43 = 82 \text{ remainder } 7$$

$$\begin{array}{r} 82 \\ 43 \overline{) 3533} \\ \underline{3526} \end{array}$$

----

7 ← remainder

$$3533 \div 47 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3533} \\ \underline{3525} \end{array}$$

----

8 ← remainder

$$3533 \div 53 = 66 \text{ remainder } 35$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3533} \\ \underline{3498} \end{array}$$

----

35 ← remainder



$$3533 \div 59 = 59 \text{ remainder } 52$$

$$\begin{array}{r} 59 \\ 59 \overline{) 3533} \\ \underline{3481} \\ 52 \end{array} \leftarrow \text{remainder}$$

## **P<sub>495</sub> 3539**

$$3539 \div 2 = 1769 \text{ remainder } 1$$

$$\begin{array}{r} 1769 \\ 2 \overline{) 3539} \\ \underline{3538} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 3 = 1179 \text{ remainder } 2$$

$$\begin{array}{r} 1179 \\ 3 \overline{) 3539} \\ \underline{3537} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 5 = 707 \text{ remainder } 4$$

$$\begin{array}{r} 707 \\ 5 \overline{) 3539} \\ \underline{3535} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 7 = 505 \text{ remainder } 4$$

$$\begin{array}{r} 505 \\ 7 \overline{) 3539} \\ \underline{3535} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 11 = 321 \text{ remainder } 8$$

$$\begin{array}{r} 321 \\ 11 \overline{) 3539} \\ \underline{3531} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 13 = 272 \text{ remainder } 3$$

$$\begin{array}{r} 272 \\ 13 \overline{) 3539} \\ \underline{3536} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 17 = 208 \text{ remainder } 3$$

$$\begin{array}{r} 208 \\ 17 \overline{) 3539} \\ \underline{3536} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 19 = 186 \text{ remainder } 5$$

$$\begin{array}{r} 186 \\ 19 \overline{) 3539} \\ \underline{3534} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 23 = 153 \text{ remainder } 20$$

$$\begin{array}{r} 153 \\ 23 \overline{) 3539} \\ \underline{3519} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 29 = 122 \text{ remainder } 1$$

$$\begin{array}{r} 122 \\ 29 \overline{) 3539} \\ \underline{3538} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3539 \div 31 = 114 \text{ remainder } 5$$

$$\begin{array}{r} 114 \\ 31 \overline{) 3539} \end{array}$$

$$\begin{array}{r} 3534 \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3539 \div 37 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 37 \overline{) 3539} \\ \underline{3515} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3539 \div 41 = 86 \text{ remainder } 13$$

$$\begin{array}{r} 86 \\ 41 \overline{) 3539} \\ \underline{3526} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3539 \div 43 = 82 \text{ remainder } 13$$

$$\begin{array}{r} 82 \\ 43 \overline{) 3539} \\ \underline{3526} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3539 \div 47 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3539} \\ \underline{3525} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3539 \div 53 = 66 \text{ remainder } 41$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3539} \\ \underline{3498} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$3539 \div 59 = 59 \text{ remainder } 58$$

$$\begin{array}{r} 59 \\ 59 \overline{) 3539} \\ \underline{3481} \\ 58 \end{array} \leftarrow \text{remainder}$$

## **P<sub>496</sub> 3541**

$$3541 \div 2 = 1770 \text{ remainder } 1$$

$$\begin{array}{r} 1770 \\ 2 \overline{) 3541} \\ \underline{3540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 3 = 1180 \text{ remainder } 1$$

$$\begin{array}{r} 1180 \\ 3 \overline{) 3541} \\ \underline{3540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 5 = 708 \text{ remainder } 1$$

$$\begin{array}{r} 708 \\ 5 \overline{) 3541} \\ \underline{3540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 7 = 505 \text{ remainder } 6$$

$$\begin{array}{r} 505 \\ 7 \overline{) 3541} \\ \underline{3535} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 11 = 321 \text{ remainder } 10$$

$$\begin{array}{r} 321 \\ 11 \overline{) 3541} \\ \underline{3531} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 13 = 272 \text{ remainder } 5$$

$$\begin{array}{r} 272 \\ 13 \overline{) 3541} \\ \underline{3536} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 17 = 208 \text{ remainder } 5$$

$$\begin{array}{r} 208 \\ 17 \overline{) 3541} \\ \underline{3536} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 19 = 186 \text{ remainder } 7$$

$$\begin{array}{r} 186 \\ 19 \overline{) 3541} \\ \underline{3534} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 23 = 153 \text{ remainder } 22$$

$$\begin{array}{r} 153 \\ 23 \overline{) 3541} \\ \underline{3519} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 29 = 122 \text{ remainder } 3$$

$$\begin{array}{r} 122 \\ 29 \overline{) 3541} \\ \underline{3538} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3541 \div 31 = 114 \text{ remainder } 7$$

$$\begin{array}{r} 114 \\ 31 \overline{) 3541} \end{array}$$

$$\begin{array}{r} 3534 \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3541 \div 37 = 95 \text{ remainder } 26$$

$$\begin{array}{r} 95 \\ 37 \overline{) 3541} \\ \underline{3515} \phantom{00} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3541 \div 41 = 86 \text{ remainder } 15$$

$$\begin{array}{r} 86 \\ 41 \overline{) 3541} \\ \underline{3526} \phantom{00} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3541 \div 43 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 43 \overline{) 3541} \\ \underline{3526} \phantom{00} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3541 \div 47 = 75 \text{ remainder } 16$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3541} \\ \underline{3525} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3541 \div 53 = 66 \text{ remainder } 43$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3541} \\ \underline{3498} \phantom{00} \\ 43 \leftarrow \text{remainder} \end{array}$$



$$3541 \div 59 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 59 \overline{) 3541} \\ \underline{3540} \\ 1 \end{array}$$

1 ← remainder

## **P<sub>497</sub> 3547**

$$3547 \div 2 = 1773 \text{ remainder } 1$$

$$\begin{array}{r} 1773 \\ 2 \overline{) 3547} \\ \underline{3546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 3 = 1182 \text{ remainder } 1$$

$$\begin{array}{r} 1182 \\ 3 \overline{) 3547} \\ \underline{3546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 5 = 709 \text{ remainder } 2$$

$$\begin{array}{r} 709 \\ 5 \overline{) 3547} \\ \underline{3545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 7 = 506 \text{ remainder } 5$$

$$\begin{array}{r} 506 \\ 7 \overline{) 3547} \\ \underline{3542} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 11 = 322 \text{ remainder } 5$$

$$\begin{array}{r} 322 \\ 11 \overline{) 3547} \\ \underline{3542} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 13 = 272 \text{ remainder } 11$$

$$\begin{array}{r} 272 \\ 13 \overline{) 3547} \\ \underline{3536} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 17 = 208 \text{ remainder } 11$$

$$\begin{array}{r} 208 \\ 17 \overline{) 3547} \\ \underline{3536} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 19 = 186 \text{ remainder } 13$$

$$\begin{array}{r} 186 \\ 19 \overline{) 3547} \\ \underline{3534} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 23 = 154 \text{ remainder } 5$$

$$\begin{array}{r} 154 \\ 23 \overline{) 3547} \\ \underline{3542} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 29 = 122 \text{ remainder } 9$$

$$\begin{array}{r} 122 \\ 29 \overline{) 3547} \\ \underline{3538} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3547 \div 31 = 114 \text{ remainder } 13$$

$$\begin{array}{r} 114 \\ 31 \overline{) 3547} \end{array}$$

$$\begin{array}{r} 3534 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3547 \div 37 = 95 \text{ remainder } 32$$

$$\begin{array}{r} 95 \\ 37 \overline{) 3547} \\ \underline{3515} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3547 \div 41 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 41 \overline{) 3547} \\ \underline{3526} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3547 \div 43 = 82 \text{ remainder } 21$$

$$\begin{array}{r} 82 \\ 43 \overline{) 3547} \\ \underline{3526} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3547 \div 47 = 75 \text{ remainder } 22$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3547} \\ \underline{3525} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3547 \div 53 = 66 \text{ remainder } 49$$

$$\begin{array}{r} 66 \\ 53 \overline{) 3547} \\ \underline{3498} \\ \text{----} \\ 49 \leftarrow \text{remainder} \end{array}$$

$$3547 \div 59 = 60 \text{ remainder } 7$$

$$\begin{array}{r} 60 \\ 59 \overline{) 3547} \\ \underline{3540} \\ 7 \end{array}$$

7 ← remainder

## **P<sub>498</sub> 3557**

$$3557 \div 2 = 1778 \text{ remainder } 1$$

$$\begin{array}{r} 1778 \\ 2 \overline{) 3557} \\ \underline{3556} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 3 = 1185 \text{ remainder } 2$$

$$\begin{array}{r} 1185 \\ 3 \overline{) 3557} \\ \underline{3555} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 5 = 711 \text{ remainder } 2$$

$$\begin{array}{r} 711 \\ 5 \overline{) 3557} \\ \underline{3555} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 7 = 508 \text{ remainder } 1$$

$$\begin{array}{r} 508 \\ 7 \overline{) 3557} \\ \underline{3556} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 11 = 323 \text{ remainder } 4$$

$$\begin{array}{r} 323 \\ 11 \overline{) 3557} \\ \underline{3553} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 13 = 273 \text{ remainder } 8$$

$$\begin{array}{r} 273 \\ 13 \overline{) 3557} \\ \underline{3549} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 17 = 209 \text{ remainder } 4$$

$$\begin{array}{r} 209 \\ 17 \overline{) 3557} \\ \underline{3553} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 19 = 187 \text{ remainder } 4$$

$$\begin{array}{r} 187 \\ 19 \overline{) 3557} \\ \underline{3553} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 23 = 154 \text{ remainder } 15$$

$$\begin{array}{r} 154 \\ 23 \overline{) 3557} \\ \underline{3542} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 29 = 122 \text{ remainder } 19$$

$$\begin{array}{r} 122 \\ 29 \overline{) 3557} \\ \underline{3538} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3557 \div 31 = 114 \text{ remainder } 23$$

$$\begin{array}{r} 114 \\ 31 \overline{) 3557} \end{array}$$

$$\begin{array}{r} 3534 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3557 \div 37 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 37 \overline{) 3557} \\ \underline{3552} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3557 \div 41 = 86 \text{ remainder } 31$$

$$\begin{array}{r} 86 \\ 41 \overline{) 3557} \\ \underline{3526} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3557 \div 43 = 82 \text{ remainder } 31$$

$$\begin{array}{r} 82 \\ 43 \overline{) 3557} \\ \underline{3526} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3557 \div 47 = 75 \text{ remainder } 32$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3557} \\ \underline{3525} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3557 \div 53 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 53 \overline{) 3557} \\ \underline{3551} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$



$$3557 \div 59 = 60 \text{ remainder } 17$$

$$\begin{array}{r} 60 \\ 59 \overline{) 3557} \\ \underline{3540} \\ 17 \end{array} \leftarrow \text{remainder}$$

## **P<sub>499</sub> 3559**

$$3559 \div 2 = 1779 \text{ remainder } 1$$

$$\begin{array}{r} 1779 \\ 2 \overline{) 3559} \\ \underline{3558} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 3 = 1186 \text{ remainder } 1$$

$$\begin{array}{r} 1186 \\ 3 \overline{) 3559} \\ \underline{3558} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 5 = 711 \text{ remainder } 4$$

$$\begin{array}{r} 711 \\ 5 \overline{) 3559} \\ \underline{3555} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 7 = 508 \text{ remainder } 3$$

$$\begin{array}{r} 508 \\ 7 \overline{) 3559} \\ \underline{3556} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 11 = 323 \text{ remainder } 6$$

$$\begin{array}{r} 323 \\ 11 \overline{) 3559} \\ \underline{3553} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 13 = 273 \text{ remainder } 10$$

$$\begin{array}{r} 273 \\ 13 \overline{) 3559} \\ \underline{3549} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 17 = 209 \text{ remainder } 6$$

$$\begin{array}{r} 209 \\ 17 \overline{) 3559} \\ \underline{3553} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 19 = 187 \text{ remainder } 6$$

$$\begin{array}{r} 187 \\ 19 \overline{) 3559} \\ \underline{3553} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 23 = 154 \text{ remainder } 17$$

$$\begin{array}{r} 154 \\ 23 \overline{) 3559} \\ \underline{3542} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 29 = 122 \text{ remainder } 21$$

$$\begin{array}{r} 122 \\ 29 \overline{) 3559} \\ \underline{3538} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3559 \div 31 = 114 \text{ remainder } 25$$

$$\begin{array}{r} 114 \\ 31 \overline{) 3559} \end{array}$$

$$\begin{array}{r} 3534 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3559 \div 37 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 37 \overline{) 3559} \\ \underline{3552} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3559 \div 41 = 86 \text{ remainder } 33$$

$$\begin{array}{r} 86 \\ 41 \overline{) 3559} \\ \underline{3526} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3559 \div 43 = 82 \text{ remainder } 33$$

$$\begin{array}{r} 82 \\ 43 \overline{) 3559} \\ \underline{3526} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3559 \div 47 = 75 \text{ remainder } 34$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3559} \\ \underline{3525} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3559 \div 53 = 67 \text{ remainder } 8$$

$$\begin{array}{r} 67 \\ 53 \overline{) 3559} \\ \underline{3551} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3559 \div 59 = 60 \text{ remainder } 19$$

$$\begin{array}{r} 60 \\ 59 \overline{) 3559} \\ \underline{3540} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>500</sub> 3571**

$$3571 \div 2 = 1785 \text{ remainder } 1$$

$$\begin{array}{r} 1785 \\ 2 \overline{) 3571} \\ \underline{3570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 3 = 1190 \text{ remainder } 1$$

$$\begin{array}{r} 1190 \\ 3 \overline{) 3571} \\ \underline{3570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 5 = 714 \text{ remainder } 1$$

$$\begin{array}{r} 714 \\ 5 \overline{) 3571} \\ \underline{3570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 7 = 510 \text{ remainder } 1$$

$$\begin{array}{r} 510 \\ 7 \overline{) 3571} \\ \underline{3570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 11 = 324 \text{ remainder } 7$$

$$\begin{array}{r} 324 \\ 11 \overline{) 3571} \\ \underline{3564} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 13 = 274 \text{ remainder } 9$$

$$\begin{array}{r} 274 \\ 13 \overline{) 3571} \\ \underline{3562} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 17 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 17 \overline{) 3571} \\ \underline{3570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 19 = 187 \text{ remainder } 18$$

$$\begin{array}{r} 187 \\ 19 \overline{) 3571} \\ \underline{3553} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 23 = 155 \text{ remainder } 6$$

$$\begin{array}{r} 155 \\ 23 \overline{) 3571} \\ \underline{3565} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 29 = 123 \text{ remainder } 4$$

$$\begin{array}{r} 123 \\ 29 \overline{) 3571} \\ \underline{3567} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3571 \div 31 = 115 \text{ remainder } 6$$

$$\begin{array}{r} 115 \\ 31 \overline{) 3571} \end{array}$$

$$\begin{array}{r} 3565 \\ ---- \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3571 \div 37 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 37 \overline{) 3571} \\ \underline{3552} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3571 \div 41 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 87 \\ 41 \overline{) 3571} \\ \underline{3567} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3571 \div 43 = 83 \text{ remainder } 2$$

$$\begin{array}{r} 83 \\ 43 \overline{) 3571} \\ \underline{3569} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3571 \div 47 = 75 \text{ remainder } 46$$

$$\begin{array}{r} 75 \\ 47 \overline{) 3571} \\ \underline{3525} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$3571 \div 53 = 67 \text{ remainder } 20$$

$$\begin{array}{r} 67 \\ 53 \overline{) 3571} \\ \underline{3551} \\ 20 \leftarrow \text{remainder} \end{array}$$



$$3571 \div 59 = 60 \text{ remainder } 31$$

$$\begin{array}{r} 60 \\ 59 \overline{) 3571} \\ \underline{3540} \\ 31 \end{array}$$

31 ← remainder

## **P<sub>501</sub> 3581**

$$3581 \div 2 = 1790 \text{ remainder } 1$$

$$\begin{array}{r} 1790 \\ 2 \overline{) 3581} \\ \underline{3580} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 3 = 1193 \text{ remainder } 2$$

$$\begin{array}{r} 1193 \\ 3 \overline{) 3581} \\ \underline{3579} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 5 = 716 \text{ remainder } 1$$

$$\begin{array}{r} 716 \\ 5 \overline{) 3581} \\ \underline{3580} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 7 = 511 \text{ remainder } 4$$

$$\begin{array}{r} 511 \\ 7 \overline{) 3581} \\ \underline{3577} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 11 = 325 \text{ remainder } 6$$

$$\begin{array}{r} 325 \\ 11 \overline{) 3581} \\ \underline{3575} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 13 = 275 \text{ remainder } 6$$

$$\begin{array}{r} 275 \\ 13 \overline{) 3581} \\ \underline{3575} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 17 = 210 \text{ remainder } 11$$

$$\begin{array}{r} 210 \\ 17 \overline{) 3581} \\ \underline{3570} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 19 = 188 \text{ remainder } 9$$

$$\begin{array}{r} 188 \\ 19 \overline{) 3581} \\ \underline{3572} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 23 = 155 \text{ remainder } 16$$

$$\begin{array}{r} 155 \\ 23 \overline{) 3581} \\ \underline{3565} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 29 = 123 \text{ remainder } 14$$

$$\begin{array}{r} 123 \\ 29 \overline{) 3581} \\ \underline{3567} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3581 \div 31 = 115 \text{ remainder } 16$$

$$\begin{array}{r} 115 \\ 31 \overline{) 3581} \end{array}$$

$$\begin{array}{r} 3565 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3581 \div 37 = 96 \text{ remainder } 29$$

$$\begin{array}{r} 96 \\ 37 \overline{) 3581} \\ \underline{3552} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3581 \div 41 = 87 \text{ remainder } 14$$

$$\begin{array}{r} 87 \\ 41 \overline{) 3581} \\ \underline{3567} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3581 \div 43 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 43 \overline{) 3581} \\ \underline{3569} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3581 \div 47 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 47 \overline{) 3581} \\ \underline{3572} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3581 \div 53 = 67 \text{ remainder } 30$$

$$\begin{array}{r} 67 \\ 53 \overline{) 3581} \\ \underline{3551} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3581 \div 59 = 60 \text{ remainder } 41$$

$$\begin{array}{r} 60 \\ 59 \overline{) 3581} \\ \underline{3540} \\ 41 \end{array} \leftarrow \text{remainder}$$

## **P<sub>502</sub> 3583**

$$3583 \div 2 = 1791 \text{ remainder } 1$$

$$\begin{array}{r} 1791 \\ 2 \overline{) 3583} \\ \underline{3582} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 3 = 1194 \text{ remainder } 1$$

$$\begin{array}{r} 1194 \\ 3 \overline{) 3583} \\ \underline{3582} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 5 = 716 \text{ remainder } 3$$

$$\begin{array}{r} 716 \\ 5 \overline{) 3583} \\ \underline{3580} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 7 = 511 \text{ remainder } 6$$

$$\begin{array}{r} 511 \\ 7 \overline{) 3583} \\ \underline{3577} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 11 = 325 \text{ remainder } 8$$

$$\begin{array}{r} 325 \\ 11 \overline{) 3583} \\ \underline{3575} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 13 = 275 \text{ remainder } 8$$

$$\begin{array}{r} 275 \\ 13 \overline{) 3583} \\ \underline{3575} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 17 = 210 \text{ remainder } 13$$

$$\begin{array}{r} 210 \\ 17 \overline{) 3583} \\ \underline{3570} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 19 = 188 \text{ remainder } 11$$

$$\begin{array}{r} 188 \\ 19 \overline{) 3583} \\ \underline{3572} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 23 = 155 \text{ remainder } 18$$

$$\begin{array}{r} 155 \\ 23 \overline{) 3583} \\ \underline{3565} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 29 = 123 \text{ remainder } 16$$

$$\begin{array}{r} 123 \\ 29 \overline{) 3583} \\ \underline{3567} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3583 \div 31 = 115 \text{ remainder } 18$$

$$\begin{array}{r} 115 \\ 31 \overline{) 3583} \end{array}$$

$$\begin{array}{r} 3565 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3583 \div 37 = 96 \text{ remainder } 31$$

$$\begin{array}{r} 96 \\ 37 \overline{) 3583} \\ \underline{3552} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3583 \div 41 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 41 \overline{) 3583} \\ \underline{3567} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3583 \div 43 = 83 \text{ remainder } 14$$

$$\begin{array}{r} 83 \\ 43 \overline{) 3583} \\ \underline{3569} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3583 \div 47 = 76 \text{ remainder } 11$$

$$\begin{array}{r} 76 \\ 47 \overline{) 3583} \\ \underline{3572} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3583 \div 53 = 67 \text{ remainder } 32$$

$$\begin{array}{r} 67 \\ 53 \overline{) 3583} \\ \underline{3551} \\ 32 \leftarrow \text{remainder} \end{array}$$



$$3583 \div 59 = 60 \text{ remainder } 43$$

$$\begin{array}{r} 60 \\ 59 \overline{) 3583} \\ \underline{3540} \\ 43 \end{array} \leftarrow \text{remainder}$$

## **P<sub>503</sub> 3593**

$$3593 \div 2 = 1796 \text{ remainder } 1$$

$$\begin{array}{r} 1796 \\ 2 \overline{) 3593} \\ \underline{3592} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 3 = 1197 \text{ remainder } 2$$

$$\begin{array}{r} 1197 \\ 3 \overline{) 3593} \\ \underline{3591} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 5 = 718 \text{ remainder } 3$$

$$\begin{array}{r} 718 \\ 5 \overline{) 3593} \\ \underline{3590} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 7 = 513 \text{ remainder } 2$$

$$\begin{array}{r} 513 \\ 7 \overline{) 3593} \\ \underline{3591} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 11 = 326 \text{ remainder } 7$$

$$\begin{array}{r} 326 \\ 11 \overline{) 3593} \\ \underline{3586} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 13 = 276 \text{ remainder } 5$$

$$\begin{array}{r} 276 \\ 13 \overline{) 3593} \\ \underline{3588} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 17 = 211 \text{ remainder } 6$$

$$\begin{array}{r} 211 \\ 17 \overline{) 3593} \\ \underline{3587} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 19 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 19 \overline{) 3593} \\ \underline{3591} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 23 = 156 \text{ remainder } 5$$

$$\begin{array}{r} 156 \\ 23 \overline{) 3593} \\ \underline{3588} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 29 = 123 \text{ remainder } 26$$

$$\begin{array}{r} 123 \\ 29 \overline{) 3593} \\ \underline{3567} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$3593 \div 31 = 115 \text{ remainder } 28$$

$$\begin{array}{r} 115 \\ 31 \overline{) 3593} \end{array}$$

$$\begin{array}{r} 3565 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3593 \div 37 = 97 \text{ remainder } 4$$

$$\begin{array}{r} 97 \\ 37 \overline{) 3593} \\ \underline{3589} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3593 \div 41 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 41 \overline{) 3593} \\ \underline{3567} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3593 \div 43 = 83 \text{ remainder } 24$$

$$\begin{array}{r} 83 \\ 43 \overline{) 3593} \\ \underline{3569} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3593 \div 47 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 47 \overline{) 3593} \\ \underline{3572} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3593 \div 53 = 67 \text{ remainder } 42$$

$$\begin{array}{r} 67 \\ 53 \overline{) 3593} \\ \underline{3551} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$3593 \div 59 = 60 \text{ remainder } 53$$

$$\begin{array}{r} 60 \\ 59 \overline{) 3593} \\ \underline{3540} \\ 53 \end{array} \leftarrow \text{remainder}$$

## **P<sub>504</sub> 3607**

$$3607 \div 2 = 1803 \text{ remainder } 1$$

$$\begin{array}{r} 1803 \\ 2 \overline{) 3607} \\ \underline{3606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 3 = 1202 \text{ remainder } 1$$

$$\begin{array}{r} 1202 \\ 3 \overline{) 3607} \\ \underline{3606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 5 = 721 \text{ remainder } 2$$

$$\begin{array}{r} 721 \\ 5 \overline{) 3607} \\ \underline{3605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 7 = 515 \text{ remainder } 2$$

$$\begin{array}{r} 515 \\ 7 \overline{) 3607} \\ \underline{3605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 11 = 327 \text{ remainder } 10$$

$$\begin{array}{r} 327 \\ 11 \overline{) 3607} \\ \underline{3597} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 13 = 277 \text{ remainder } 6$$

$$\begin{array}{r} 277 \\ 13 \overline{) 3607} \\ \underline{3601} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 17 = 212 \text{ remainder } 3$$

$$\begin{array}{r} 212 \\ 17 \overline{) 3607} \\ \underline{3604} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 19 = 189 \text{ remainder } 16$$

$$\begin{array}{r} 189 \\ 19 \overline{) 3607} \\ \underline{3591} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 23 = 156 \text{ remainder } 19$$

$$\begin{array}{r} 156 \\ 23 \overline{) 3607} \\ \underline{3588} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 29 = 124 \text{ remainder } 11$$

$$\begin{array}{r} 124 \\ 29 \overline{) 3607} \\ \underline{3596} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3607 \div 31 = 116 \text{ remainder } 11$$

$$\begin{array}{r} 116 \\ 31 \overline{) 3607} \end{array}$$

3596

----

11 ← remainder

$3607 \div 37 = 97 \text{ remainder } 18$

97  
37 |  $\overline{3607}$   
3589

----

18 ← remainder

$3607 \div 41 = 87 \text{ remainder } 40$

87  
41 |  $\overline{3607}$   
3567

----

40 ← remainder

$3607 \div 43 = 83 \text{ remainder } 38$

83  
43 |  $\overline{3607}$   
3569

----

38 ← remainder

$3607 \div 47 = 76 \text{ remainder } 35$

76  
47 |  $\overline{3607}$   
3572

----

35 ← remainder

$3607 \div 53 = 68 \text{ remainder } 3$

68  
53 |  $\overline{3607}$   
3604

----

3 ← remainder



$$3607 \div 59 = 61 \text{ remainder } 8$$

$$\begin{array}{r} 61 \\ 59 \overline{) 3607} \\ \underline{3599} \\ 8 \end{array}$$

8 ← remainder

## **P<sub>505</sub> 3613**

$$3613 \div 2 = 1806 \text{ remainder } 1$$

$$\begin{array}{r} 1806 \\ 2 \overline{) 3613} \\ \underline{3612} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 3 = 1204 \text{ remainder } 1$$

$$\begin{array}{r} 1204 \\ 3 \overline{) 3613} \\ \underline{3612} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 5 = 722 \text{ remainder } 3$$

$$\begin{array}{r} 722 \\ 5 \overline{) 3613} \\ \underline{3610} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 7 = 516 \text{ remainder } 1$$

$$\begin{array}{r} 516 \\ 7 \overline{) 3613} \\ \underline{3612} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 11 = 328 \text{ remainder } 5$$

$$\begin{array}{r} 328 \\ 11 \overline{) 3613} \\ \underline{3608} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 13 = 277 \text{ remainder } 12$$

$$\begin{array}{r} 277 \\ 13 \overline{) 3613} \\ \underline{3601} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 17 = 212 \text{ remainder } 9$$

$$\begin{array}{r} 212 \\ 17 \overline{) 3613} \\ \underline{3604} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 19 = 190 \text{ remainder } 3$$

$$\begin{array}{r} 190 \\ 19 \overline{) 3613} \\ \underline{3610} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 23 = 157 \text{ remainder } 2$$

$$\begin{array}{r} 157 \\ 23 \overline{) 3613} \\ \underline{3611} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 29 = 124 \text{ remainder } 17$$

$$\begin{array}{r} 124 \\ 29 \overline{) 3613} \\ \underline{3596} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3613 \div 31 = 116 \text{ remainder } 17$$

$$\begin{array}{r} 116 \\ 31 \overline{) 3613} \end{array}$$

$$\begin{array}{r} 3596 \\ ---- \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3613 \div 37 = 97 \text{ remainder } 24$$

$$\begin{array}{r} 97 \\ 37 \overline{) 3613} \\ \underline{3589} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3613 \div 41 = 88 \text{ remainder } 5$$

$$\begin{array}{r} 88 \\ 41 \overline{) 3613} \\ \underline{3608} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3613 \div 43 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 43 \overline{) 3613} \\ \underline{3612} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3613 \div 47 = 76 \text{ remainder } 41$$

$$\begin{array}{r} 76 \\ 47 \overline{) 3613} \\ \underline{3572} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$3613 \div 53 = 68 \text{ remainder } 9$$

$$\begin{array}{r} 68 \\ 53 \overline{) 3613} \\ \underline{3604} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3613 \div 59 = 61 \text{ remainder } 14$$

$$\begin{array}{r} 61 \\ 59 \overline{) 3613} \\ \underline{3599} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>506</sub> 3617**

$$3617 \div 2 = 1808 \text{ remainder } 1$$

$$\begin{array}{r} 1808 \\ 2 \overline{) 3617} \\ \underline{3616} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 3 = 1205 \text{ remainder } 2$$

$$\begin{array}{r} 1205 \\ 3 \overline{) 3617} \\ \underline{3615} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 5 = 723 \text{ remainder } 2$$

$$\begin{array}{r} 723 \\ 5 \overline{) 3617} \\ \underline{3615} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 7 = 516 \text{ remainder } 5$$

$$\begin{array}{r} 516 \\ 7 \overline{) 3617} \\ \underline{3612} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 11 = 328 \text{ remainder } 9$$

$$\begin{array}{r} 328 \\ 11 \overline{) 3617} \\ \underline{3608} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 13 = 278 \text{ remainder } 3$$

$$\begin{array}{r} 278 \\ 13 \overline{) 3617} \\ \underline{3614} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 17 = 212 \text{ remainder } 13$$

$$\begin{array}{r} 212 \\ 17 \overline{) 3617} \\ \underline{3604} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 19 = 190 \text{ remainder } 7$$

$$\begin{array}{r} 190 \\ 19 \overline{) 3617} \\ \underline{3610} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 23 = 157 \text{ remainder } 6$$

$$\begin{array}{r} 157 \\ 23 \overline{) 3617} \\ \underline{3611} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 29 = 124 \text{ remainder } 21$$

$$\begin{array}{r} 124 \\ 29 \overline{) 3617} \\ \underline{3596} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3617 \div 31 = 116 \text{ remainder } 21$$

$$\begin{array}{r} 116 \\ 31 \overline{) 3617} \end{array}$$

$$\begin{array}{r} 3596 \\ ---- \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3617 \div 37 = 97 \text{ remainder } 28$$

$$\begin{array}{r} 97 \\ 37 \overline{) 3617} \\ \underline{3589} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3617 \div 41 = 88 \text{ remainder } 9$$

$$\begin{array}{r} 88 \\ 41 \overline{) 3617} \\ \underline{3608} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3617 \div 43 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 43 \overline{) 3617} \\ \underline{3612} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3617 \div 47 = 76 \text{ remainder } 45$$

$$\begin{array}{r} 76 \\ 47 \overline{) 3617} \\ \underline{3572} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$3617 \div 53 = 68 \text{ remainder } 13$$

$$\begin{array}{r} 68 \\ 53 \overline{) 3617} \\ \underline{3604} \\ 13 \leftarrow \text{remainder} \end{array}$$



$$3617 \div 59 = 61 \text{ remainder } 18$$

$$\begin{array}{r} 61 \\ 59 \overline{) 3617} \\ \underline{3599} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>507</sub> 3623**

$$3623 \div 2 = 1811 \text{ remainder } 1$$

$$\begin{array}{r} 1811 \\ 2 \overline{) 3623} \\ \underline{3622} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 3 = 1207 \text{ remainder } 2$$

$$\begin{array}{r} 1207 \\ 3 \overline{) 3623} \\ \underline{3621} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 5 = 724 \text{ remainder } 3$$

$$\begin{array}{r} 724 \\ 5 \overline{) 3623} \\ \underline{3620} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 7 = 517 \text{ remainder } 4$$

$$\begin{array}{r} 517 \\ 7 \overline{) 3623} \\ \underline{3619} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 11 = 329 \text{ remainder } 4$$

$$\begin{array}{r} 329 \\ 11 \overline{) 3623} \\ \underline{3619} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 13 = 278 \text{ remainder } 9$$

$$\begin{array}{r} 278 \\ 13 \overline{) 3623} \\ \underline{3614} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 17 = 213 \text{ remainder } 2$$

$$\begin{array}{r} 213 \\ 17 \overline{) 3623} \\ \underline{3621} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 19 = 190 \text{ remainder } 13$$

$$\begin{array}{r} 190 \\ 19 \overline{) 3623} \\ \underline{3610} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 23 = 157 \text{ remainder } 12$$

$$\begin{array}{r} 157 \\ 23 \overline{) 3623} \\ \underline{3611} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 29 = 124 \text{ remainder } 27$$

$$\begin{array}{r} 124 \\ 29 \overline{) 3623} \\ \underline{3596} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$3623 \div 31 = 116 \text{ remainder } 27$$

$$\begin{array}{r} 116 \\ 31 \overline{) 3623} \end{array}$$

$$\begin{array}{r} 3596 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3623 \div 37 = 97 \text{ remainder } 34$$

$$\begin{array}{r} 97 \\ 37 \overline{) 3623} \\ \underline{3589} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3623 \div 41 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 41 \overline{) 3623} \\ \underline{3608} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3623 \div 43 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 43 \overline{) 3623} \\ \underline{3612} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3623 \div 47 = 77 \text{ remainder } 4$$

$$\begin{array}{r} 77 \\ 47 \overline{) 3623} \\ \underline{3619} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3623 \div 53 = 68 \text{ remainder } 19$$

$$\begin{array}{r} 68 \\ 53 \overline{) 3623} \\ \underline{3604} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3623 \div 59 = 61 \text{ remainder } 24$$

$$\begin{array}{r} 61 \\ 59 \overline{) 3623} \\ \underline{3599} \\ 24 \end{array} \leftarrow \text{remainder}$$

## **P<sub>508</sub> 3631**

$$3631 \div 2 = 1815 \text{ remainder } 1$$

$$\begin{array}{r} 1815 \\ 2 \overline{) 3631} \\ \underline{3630} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 3 = 1210 \text{ remainder } 1$$

$$\begin{array}{r} 1210 \\ 3 \overline{) 3631} \\ \underline{3630} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 5 = 726 \text{ remainder } 1$$

$$\begin{array}{r} 726 \\ 5 \overline{) 3631} \\ \underline{3630} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 7 = 518 \text{ remainder } 5$$

$$\begin{array}{r} 518 \\ 7 \overline{) 3631} \\ \underline{3626} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 11 = 330 \text{ remainder } 1$$

$$\begin{array}{r} 330 \\ 11 \overline{) 3631} \\ \underline{3630} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 13 = 279 \text{ remainder } 4$$

$$\begin{array}{r} 279 \\ 13 \overline{) 3631} \\ \underline{3627} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 17 = 213 \text{ remainder } 10$$

$$\begin{array}{r} 213 \\ 17 \overline{) 3631} \\ \underline{3621} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 19 = 191 \text{ remainder } 2$$

$$\begin{array}{r} 191 \\ 19 \overline{) 3631} \\ \underline{3629} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 23 = 157 \text{ remainder } 20$$

$$\begin{array}{r} 157 \\ 23 \overline{) 3631} \\ \underline{3611} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 29 = 125 \text{ remainder } 6$$

$$\begin{array}{r} 125 \\ 29 \overline{) 3631} \\ \underline{3625} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3631 \div 31 = 117 \text{ remainder } 4$$

$$\begin{array}{r} 117 \\ 31 \overline{) 3631} \end{array}$$

$$\begin{array}{r} 3627 \\ ---- \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3631 \div 37 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 37 \overline{) 3631} \\ \underline{3626} \\ ---- \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3631 \div 41 = 88 \text{ remainder } 23$$

$$\begin{array}{r} 88 \\ 41 \overline{) 3631} \\ \underline{3608} \\ ---- \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3631 \div 43 = 84 \text{ remainder } 19$$

$$\begin{array}{r} 84 \\ 43 \overline{) 3631} \\ \underline{3612} \\ ---- \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3631 \div 47 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 47 \overline{) 3631} \\ \underline{3619} \\ ---- \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3631 \div 53 = 68 \text{ remainder } 27$$

$$\begin{array}{r} 68 \\ 53 \overline{) 3631} \\ \underline{3604} \\ ---- \\ 27 \leftarrow \text{remainder} \end{array}$$



$$3631 \div 59 = 61 \text{ remainder } 32$$

$$\begin{array}{r} 61 \\ 59 \overline{) 3631} \\ \underline{3599} \\ 32 \end{array} \leftarrow \text{remainder}$$

## **P<sub>509</sub> 3637**

$$3637 \div 2 = 1818 \text{ remainder } 1$$

$$\begin{array}{r} 1818 \\ 2 \overline{) 3637} \\ \underline{3636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 3 = 1212 \text{ remainder } 1$$

$$\begin{array}{r} 1212 \\ 3 \overline{) 3637} \\ \underline{3636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 5 = 727 \text{ remainder } 2$$

$$\begin{array}{r} 727 \\ 5 \overline{) 3637} \\ \underline{3635} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 7 = 519 \text{ remainder } 4$$

$$\begin{array}{r} 519 \\ 7 \overline{) 3637} \\ \underline{3633} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 11 = 330 \text{ remainder } 7$$

$$\begin{array}{r} 330 \\ 11 \overline{) 3637} \\ \underline{3630} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 13 = 279 \text{ remainder } 10$$

$$\begin{array}{r} 279 \\ 13 \overline{) 3637} \\ \underline{3627} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 17 = 213 \text{ remainder } 16$$

$$\begin{array}{r} 213 \\ 17 \overline{) 3637} \\ \underline{3621} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 19 = 191 \text{ remainder } 8$$

$$\begin{array}{r} 191 \\ 19 \overline{) 3637} \\ \underline{3629} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 23 = 158 \text{ remainder } 3$$

$$\begin{array}{r} 158 \\ 23 \overline{) 3637} \\ \underline{3634} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 29 = 125 \text{ remainder } 12$$

$$\begin{array}{r} 125 \\ 29 \overline{) 3637} \\ \underline{3625} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3637 \div 31 = 117 \text{ remainder } 10$$

$$\begin{array}{r} 117 \\ 31 \overline{) 3637} \end{array}$$

$$\begin{array}{r} 3627 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3637 \div 37 = 98 \text{ remainder } 11$$

$$\begin{array}{r} 98 \\ 37 \overline{) 3637} \\ \underline{3626} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3637 \div 41 = 88 \text{ remainder } 29$$

$$\begin{array}{r} 88 \\ 41 \overline{) 3637} \\ \underline{3608} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3637 \div 43 = 84 \text{ remainder } 25$$

$$\begin{array}{r} 84 \\ 43 \overline{) 3637} \\ \underline{3612} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3637 \div 47 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 47 \overline{) 3637} \\ \underline{3619} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3637 \div 53 = 68 \text{ remainder } 33$$

$$\begin{array}{r} 68 \\ 53 \overline{) 3637} \\ \underline{3604} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3637 \div 59 = 61 \text{ remainder } 38$$

$$\begin{array}{r} 61 \\ 59 \overline{) 3637} \\ \underline{3599} \\ 38 \end{array} \leftarrow \text{remainder}$$

## **P<sub>510</sub> 3643**

$$3643 \div 2 = 1821 \text{ remainder } 1$$

$$\begin{array}{r} 1821 \\ 2 \overline{) 3643} \\ \underline{3642} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 3 = 1214 \text{ remainder } 1$$

$$\begin{array}{r} 1214 \\ 3 \overline{) 3643} \\ \underline{3642} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 5 = 728 \text{ remainder } 3$$

$$\begin{array}{r} 728 \\ 5 \overline{) 3643} \\ \underline{3640} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 7 = 520 \text{ remainder } 3$$

$$\begin{array}{r} 520 \\ 7 \overline{) 3643} \\ \underline{3640} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 11 = 331 \text{ remainder } 2$$

$$\begin{array}{r} 331 \\ 11 \overline{) 3643} \\ \underline{3641} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 13 = 280 \text{ remainder } 3$$

$$\begin{array}{r} 280 \\ 13 \overline{) 3643} \\ \underline{3640} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 17 = 214 \text{ remainder } 5$$

$$\begin{array}{r} 214 \\ 17 \overline{) 3643} \\ \underline{3638} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 19 = 191 \text{ remainder } 14$$

$$\begin{array}{r} 191 \\ 19 \overline{) 3643} \\ \underline{3629} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 23 = 158 \text{ remainder } 9$$

$$\begin{array}{r} 158 \\ 23 \overline{) 3643} \\ \underline{3634} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 29 = 125 \text{ remainder } 18$$

$$\begin{array}{r} 125 \\ 29 \overline{) 3643} \\ \underline{3625} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3643 \div 31 = 117 \text{ remainder } 16$$

$$\begin{array}{r} 117 \\ 31 \overline{) 3643} \end{array}$$

$$\begin{array}{r} 3627 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3643 \div 37 = 98 \text{ remainder } 17$$

$$\begin{array}{r} 98 \\ 37 \overline{) 3643} \\ \underline{3626} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3643 \div 41 = 88 \text{ remainder } 35$$

$$\begin{array}{r} 88 \\ 41 \overline{) 3643} \\ \underline{3608} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3643 \div 43 = 84 \text{ remainder } 31$$

$$\begin{array}{r} 84 \\ 43 \overline{) 3643} \\ \underline{3612} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3643 \div 47 = 77 \text{ remainder } 24$$

$$\begin{array}{r} 77 \\ 47 \overline{) 3643} \\ \underline{3619} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3643 \div 53 = 68 \text{ remainder } 39$$

$$\begin{array}{r} 68 \\ 53 \overline{) 3643} \\ \underline{3604} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$



$$3643 \div 59 = 61 \text{ remainder } 44$$

$$\begin{array}{r} 61 \\ 59 \overline{) 3643} \\ \underline{3599} \\ 44 \end{array} \leftarrow \text{remainder}$$

## **P<sub>511</sub> 3659**

$$3659 \div 2 = 1829 \text{ remainder } 1$$

$$\begin{array}{r} 1829 \\ 2 \overline{) 3659} \\ \underline{3658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 3 = 1219 \text{ remainder } 2$$

$$\begin{array}{r} 1219 \\ 3 \overline{) 3659} \\ \underline{3657} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 5 = 731 \text{ remainder } 4$$

$$\begin{array}{r} 731 \\ 5 \overline{) 3659} \\ \underline{3655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 7 = 522 \text{ remainder } 5$$

$$\begin{array}{r} 522 \\ 7 \overline{) 3659} \\ \underline{3654} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 11 = 332 \text{ remainder } 7$$

$$\begin{array}{r} 332 \\ 11 \overline{) 3659} \\ \underline{3652} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 13 = 281 \text{ remainder } 6$$

$$\begin{array}{r} 281 \\ 13 \overline{) 3659} \\ \underline{3653} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 17 = 215 \text{ remainder } 4$$

$$\begin{array}{r} 215 \\ 17 \overline{) 3659} \\ \underline{3655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 19 = 192 \text{ remainder } 11$$

$$\begin{array}{r} 192 \\ 19 \overline{) 3659} \\ \underline{3648} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 23 = 159 \text{ remainder } 2$$

$$\begin{array}{r} 159 \\ 23 \overline{) 3659} \\ \underline{3657} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 29 = 126 \text{ remainder } 5$$

$$\begin{array}{r} 126 \\ 29 \overline{) 3659} \\ \underline{3654} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3659 \div 31 = 118 \text{ remainder } 1$$

$$\begin{array}{r} 118 \\ 31 \overline{) 3659} \end{array}$$

3658

----

1 ← remainder

$$3659 \div 37 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 37 \overline{) 3659} \\ \underline{3626} \end{array}$$

----

33 ← remainder

$$3659 \div 41 = 89 \text{ remainder } 10$$

$$\begin{array}{r} 89 \\ 41 \overline{) 3659} \\ \underline{3649} \end{array}$$

----

10 ← remainder

$$3659 \div 43 = 85 \text{ remainder } 4$$

$$\begin{array}{r} 85 \\ 43 \overline{) 3659} \\ \underline{3655} \end{array}$$

----

4 ← remainder

$$3659 \div 47 = 77 \text{ remainder } 40$$

$$\begin{array}{r} 77 \\ 47 \overline{) 3659} \\ \underline{3619} \end{array}$$

----

40 ← remainder

$$3659 \div 53 = 69 \text{ remainder } 2$$

$$\begin{array}{r} 69 \\ 53 \overline{) 3659} \\ \underline{3657} \end{array}$$

----

2 ← remainder

$$3659 \div 59 = 62 \text{ remainder } 1$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3659} \\ \underline{3658} \\ 1 \end{array}$$

1 ← remainder

## **P<sub>512</sub> 3671**

$$3671 \div 2 = 1835 \text{ remainder } 1$$

$$\begin{array}{r} 1835 \\ 2 \mid \overline{3671} \\ \underline{3670} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 3 = 1223 \text{ remainder } 2$$

$$\begin{array}{r} 1223 \\ 3 \mid \overline{3671} \\ \underline{3669} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 5 = 734 \text{ remainder } 1$$

$$\begin{array}{r} 734 \\ 5 \mid \overline{3671} \\ \underline{3670} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 7 = 524 \text{ remainder } 3$$

$$\begin{array}{r} 524 \\ 7 \mid \overline{3671} \\ \underline{3668} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 11 = 333 \text{ remainder } 8$$

$$\begin{array}{r} 333 \\ 11 \mid \overline{3671} \\ \underline{3663} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 13 = 282 \text{ remainder } 5$$

$$\begin{array}{r} 282 \\ 13 \overline{) 3671} \\ \underline{3666} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 17 = 215 \text{ remainder } 16$$

$$\begin{array}{r} 215 \\ 17 \overline{) 3671} \\ \underline{3655} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 19 = 193 \text{ remainder } 4$$

$$\begin{array}{r} 193 \\ 19 \overline{) 3671} \\ \underline{3667} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 23 = 159 \text{ remainder } 14$$

$$\begin{array}{r} 159 \\ 23 \overline{) 3671} \\ \underline{3657} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 29 = 126 \text{ remainder } 17$$

$$\begin{array}{r} 126 \\ 29 \overline{) 3671} \\ \underline{3654} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3671 \div 31 = 118 \text{ remainder } 13$$

$$\begin{array}{r} 118 \\ 31 \overline{) 3671} \end{array}$$

$$\begin{array}{r} 3658 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3671 \div 37 = 99 \text{ remainder } 8$$

$$\begin{array}{r} 99 \\ 37 \overline{) 3671} \\ \underline{3663} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3671 \div 41 = 89 \text{ remainder } 22$$

$$\begin{array}{r} 89 \\ 41 \overline{) 3671} \\ \underline{3649} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3671 \div 43 = 85 \text{ remainder } 16$$

$$\begin{array}{r} 85 \\ 43 \overline{) 3671} \\ \underline{3655} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3671 \div 47 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 47 \overline{) 3671} \\ \underline{3666} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3671 \div 53 = 69 \text{ remainder } 14$$

$$\begin{array}{r} 69 \\ 53 \overline{) 3671} \\ \underline{3657} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$



$$3671 \div 59 = 62 \text{ remainder } 13$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3671} \\ \underline{3658} \\ 13 \end{array} \leftarrow \text{remainder}$$

## **P<sub>513</sub> 3673**

$$3673 \div 2 = 1836 \text{ remainder } 1$$

$$\begin{array}{r} 1836 \\ 2 \overline{) 3673} \\ \underline{3672} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 3 = 1224 \text{ remainder } 1$$

$$\begin{array}{r} 1224 \\ 3 \overline{) 3673} \\ \underline{3672} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 5 = 734 \text{ remainder } 3$$

$$\begin{array}{r} 734 \\ 5 \overline{) 3673} \\ \underline{3670} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 7 = 524 \text{ remainder } 5$$

$$\begin{array}{r} 524 \\ 7 \overline{) 3673} \\ \underline{3668} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 11 = 333 \text{ remainder } 10$$

$$\begin{array}{r} 333 \\ 11 \overline{) 3673} \\ \underline{3663} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 13 = 282 \text{ remainder } 7$$

$$\begin{array}{r} 282 \\ 13 \overline{) 3673} \\ \underline{3666} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 17 = 216 \text{ remainder } 1$$

$$\begin{array}{r} 216 \\ 17 \overline{) 3673} \\ \underline{3672} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 19 = 193 \text{ remainder } 6$$

$$\begin{array}{r} 193 \\ 19 \overline{) 3673} \\ \underline{3667} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 23 = 159 \text{ remainder } 16$$

$$\begin{array}{r} 159 \\ 23 \overline{) 3673} \\ \underline{3657} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 29 = 126 \text{ remainder } 19$$

$$\begin{array}{r} 126 \\ 29 \overline{) 3673} \\ \underline{3654} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3673 \div 31 = 118 \text{ remainder } 15$$

$$\begin{array}{r} 118 \\ 31 \overline{) 3673} \end{array}$$

$$\begin{array}{r} 3658 \\ - - - - \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3673 \div 37 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 37 \overline{) 3673} \\ \underline{3663} \phantom{00} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3673 \div 41 = 89 \text{ remainder } 24$$

$$\begin{array}{r} 89 \\ 41 \overline{) 3673} \\ \underline{3649} \phantom{00} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3673 \div 43 = 85 \text{ remainder } 18$$

$$\begin{array}{r} 85 \\ 43 \overline{) 3673} \\ \underline{3655} \phantom{00} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3673 \div 47 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 47 \overline{) 3673} \\ \underline{3666} \phantom{00} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3673 \div 53 = 69 \text{ remainder } 16$$

$$\begin{array}{r} 69 \\ 53 \overline{) 3673} \\ \underline{3657} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3673 \div 59 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3673} \\ \underline{3658} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>514</sub> 3677**

$$3677 \div 2 = 1838 \text{ remainder } 1$$

$$\begin{array}{r} 1838 \\ 2 \overline{) 3677} \\ \underline{3676} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 3 = 1225 \text{ remainder } 2$$

$$\begin{array}{r} 1225 \\ 3 \overline{) 3677} \\ \underline{3675} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 5 = 735 \text{ remainder } 2$$

$$\begin{array}{r} 735 \\ 5 \overline{) 3677} \\ \underline{3675} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 7 = 525 \text{ remainder } 2$$

$$\begin{array}{r} 525 \\ 7 \overline{) 3677} \\ \underline{3675} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 11 = 334 \text{ remainder } 3$$

$$\begin{array}{r} 334 \\ 11 \overline{) 3677} \\ \underline{3674} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 13 = 282 \text{ remainder } 11$$

$$\begin{array}{r} 282 \\ 13 \overline{) 3677} \\ \underline{3666} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 17 = 216 \text{ remainder } 5$$

$$\begin{array}{r} 216 \\ 17 \overline{) 3677} \\ \underline{3672} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 19 = 193 \text{ remainder } 10$$

$$\begin{array}{r} 193 \\ 19 \overline{) 3677} \\ \underline{3667} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 23 = 159 \text{ remainder } 20$$

$$\begin{array}{r} 159 \\ 23 \overline{) 3677} \\ \underline{3657} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 29 = 126 \text{ remainder } 23$$

$$\begin{array}{r} 126 \\ 29 \overline{) 3677} \\ \underline{3654} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$3677 \div 31 = 118 \text{ remainder } 19$$

$$\begin{array}{r} 118 \\ 31 \overline{) 3677} \end{array}$$

$$\begin{array}{r} 3658 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3677 \div 37 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 37 \overline{) 3677} \\ \underline{3663} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3677 \div 41 = 89 \text{ remainder } 28$$

$$\begin{array}{r} 89 \\ 41 \overline{) 3677} \\ \underline{3649} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3677 \div 43 = 85 \text{ remainder } 22$$

$$\begin{array}{r} 85 \\ 43 \overline{) 3677} \\ \underline{3655} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3677 \div 47 = 78 \text{ remainder } 11$$

$$\begin{array}{r} 78 \\ 47 \overline{) 3677} \\ \underline{3666} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3677 \div 53 = 69 \text{ remainder } 20$$

$$\begin{array}{r} 69 \\ 53 \overline{) 3677} \\ \underline{3657} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$



$$3677 \div 59 = 62 \text{ remainder } 19$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3677} \\ \underline{3658} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>515</sub> 3691**

$$3691 \div 2 = 1845 \text{ remainder } 1$$

$$\begin{array}{r} 1845 \\ 2 \overline{) 3691} \\ \underline{3690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 3 = 1230 \text{ remainder } 1$$

$$\begin{array}{r} 1230 \\ 3 \overline{) 3691} \\ \underline{3690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 5 = 738 \text{ remainder } 1$$

$$\begin{array}{r} 738 \\ 5 \overline{) 3691} \\ \underline{3690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 7 = 527 \text{ remainder } 2$$

$$\begin{array}{r} 527 \\ 7 \overline{) 3691} \\ \underline{3689} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 11 = 335 \text{ remainder } 6$$

$$\begin{array}{r} 335 \\ 11 \overline{) 3691} \\ \underline{3685} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 13 = 283 \text{ remainder } 12$$

$$\begin{array}{r} 283 \\ 13 \overline{) 3691} \\ \underline{3679} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 17 = 217 \text{ remainder } 2$$

$$\begin{array}{r} 217 \\ 17 \overline{) 3691} \\ \underline{3689} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 19 = 194 \text{ remainder } 5$$

$$\begin{array}{r} 194 \\ 19 \overline{) 3691} \\ \underline{3686} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 23 = 160 \text{ remainder } 11$$

$$\begin{array}{r} 160 \\ 23 \overline{) 3691} \\ \underline{3680} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 29 = 127 \text{ remainder } 8$$

$$\begin{array}{r} 127 \\ 29 \overline{) 3691} \\ \underline{3683} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3691 \div 31 = 119 \text{ remainder } 2$$

$$\begin{array}{r} 119 \\ 31 \overline{) 3691} \end{array}$$

$$\begin{array}{r} 3689 \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3691 \div 37 = 99 \text{ remainder } 28$$

$$\begin{array}{r} 99 \\ 37 \overline{) 3691} \\ \underline{3663} \phantom{00} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3691 \div 41 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 41 \overline{) 3691} \\ \underline{3690} \phantom{00} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3691 \div 43 = 85 \text{ remainder } 36$$

$$\begin{array}{r} 85 \\ 43 \overline{) 3691} \\ \underline{3655} \phantom{00} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3691 \div 47 = 78 \text{ remainder } 25$$

$$\begin{array}{r} 78 \\ 47 \overline{) 3691} \\ \underline{3666} \phantom{00} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3691 \div 53 = 69 \text{ remainder } 34$$

$$\begin{array}{r} 69 \\ 53 \overline{) 3691} \\ \underline{3657} \phantom{00} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3691 \div 59 = 62 \text{ remainder } 33$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3691} \\ \underline{3658} \\ 33 \end{array} \leftarrow \text{remainder}$$

## **P<sub>516</sub> 3697**

$$3697 \div 2 = 1848 \text{ remainder } 1$$

$$\begin{array}{r} 1848 \\ 2 \overline{) 3697} \\ \underline{3696} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 3 = 1232 \text{ remainder } 1$$

$$\begin{array}{r} 1232 \\ 3 \overline{) 3697} \\ \underline{3696} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 5 = 739 \text{ remainder } 2$$

$$\begin{array}{r} 739 \\ 5 \overline{) 3697} \\ \underline{3695} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 7 = 528 \text{ remainder } 1$$

$$\begin{array}{r} 528 \\ 7 \overline{) 3697} \\ \underline{3696} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 11 = 336 \text{ remainder } 1$$

$$\begin{array}{r} 336 \\ 11 \overline{) 3697} \\ \underline{3696} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 13 = 284 \text{ remainder } 5$$

$$\begin{array}{r} 284 \\ 13 \overline{) 3697} \\ \underline{3692} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 17 = 217 \text{ remainder } 8$$

$$\begin{array}{r} 217 \\ 17 \overline{) 3697} \\ \underline{3689} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 19 = 194 \text{ remainder } 11$$

$$\begin{array}{r} 194 \\ 19 \overline{) 3697} \\ \underline{3686} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 23 = 160 \text{ remainder } 17$$

$$\begin{array}{r} 160 \\ 23 \overline{) 3697} \\ \underline{3680} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 29 = 127 \text{ remainder } 14$$

$$\begin{array}{r} 127 \\ 29 \overline{) 3697} \\ \underline{3683} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3697 \div 31 = 119 \text{ remainder } 8$$

$$\begin{array}{r} 119 \\ 31 \overline{) 3697} \end{array}$$

3689

----

8 ← remainder

$$3697 \div 37 = 99 \text{ remainder } 34$$

$$\begin{array}{r} 99 \\ 37 \overline{) 3697} \\ \underline{3663} \end{array}$$

----

34 ← remainder

$$3697 \div 41 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 41 \overline{) 3697} \\ \underline{3690} \end{array}$$

----

7 ← remainder

$$3697 \div 43 = 85 \text{ remainder } 42$$

$$\begin{array}{r} 85 \\ 43 \overline{) 3697} \\ \underline{3655} \end{array}$$

----

42 ← remainder

$$3697 \div 47 = 78 \text{ remainder } 31$$

$$\begin{array}{r} 78 \\ 47 \overline{) 3697} \\ \underline{3666} \end{array}$$

----

31 ← remainder

$$3697 \div 53 = 69 \text{ remainder } 40$$

$$\begin{array}{r} 69 \\ 53 \overline{) 3697} \\ \underline{3657} \end{array}$$

----

40 ← remainder



$$3697 \div 59 = 62 \text{ remainder } 39$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3697} \\ \underline{3658} \\ 39 \end{array} \leftarrow \text{remainder}$$

## **P<sub>517</sub> 3701**

$$3701 \div 2 = 1850 \text{ remainder } 1$$

$$\begin{array}{r} 1850 \\ 2 \overline{) 3701} \\ \underline{3700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 3 = 1233 \text{ remainder } 2$$

$$\begin{array}{r} 1233 \\ 3 \overline{) 3701} \\ \underline{3699} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 5 = 740 \text{ remainder } 1$$

$$\begin{array}{r} 740 \\ 5 \overline{) 3701} \\ \underline{3700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 7 = 528 \text{ remainder } 5$$

$$\begin{array}{r} 528 \\ 7 \overline{) 3701} \\ \underline{3696} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 11 = 336 \text{ remainder } 5$$

$$\begin{array}{r} 336 \\ 11 \overline{) 3701} \\ \underline{3696} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 13 = 284 \text{ remainder } 9$$

$$\begin{array}{r} 284 \\ 13 \overline{) 3701} \\ \underline{3692} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 17 = 217 \text{ remainder } 12$$

$$\begin{array}{r} 217 \\ 17 \overline{) 3701} \\ \underline{3689} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 19 = 194 \text{ remainder } 15$$

$$\begin{array}{r} 194 \\ 19 \overline{) 3701} \\ \underline{3686} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 23 = 160 \text{ remainder } 21$$

$$\begin{array}{r} 160 \\ 23 \overline{) 3701} \\ \underline{3680} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 29 = 127 \text{ remainder } 18$$

$$\begin{array}{r} 127 \\ 29 \overline{) 3701} \\ \underline{3683} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3701 \div 31 = 119 \text{ remainder } 12$$

$$\begin{array}{r} 119 \\ 31 \overline{) 3701} \end{array}$$

$$\begin{array}{r} 3689 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3701 \div 37 = 100 \text{ remainder } 1$$

$$\begin{array}{r} 100 \\ 37 \overline{) 3701} \\ \underline{3700} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3701 \div 41 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 41 \overline{) 3701} \\ \underline{3690} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3701 \div 43 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 43 \overline{) 3701} \\ \underline{3698} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3701 \div 47 = 78 \text{ remainder } 35$$

$$\begin{array}{r} 78 \\ 47 \overline{) 3701} \\ \underline{3666} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3701 \div 53 = 69 \text{ remainder } 44$$

$$\begin{array}{r} 69 \\ 53 \overline{) 3701} \\ \underline{3657} \\ \text{----} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$3701 \div 59 = 62 \text{ remainder } 43$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3701} \\ \underline{3658} \\ 43 \end{array} \leftarrow \text{remainder}$$

## **P<sub>518</sub> 3709**

$$3709 \div 2 = 1854 \text{ remainder } 1$$

$$\begin{array}{r} 1854 \\ 2 \overline{) 3709} \\ \underline{3708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 3 = 1236 \text{ remainder } 1$$

$$\begin{array}{r} 1236 \\ 3 \overline{) 3709} \\ \underline{3708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 5 = 741 \text{ remainder } 4$$

$$\begin{array}{r} 741 \\ 5 \overline{) 3709} \\ \underline{3705} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 7 = 529 \text{ remainder } 6$$

$$\begin{array}{r} 529 \\ 7 \overline{) 3709} \\ \underline{3703} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 11 = 337 \text{ remainder } 2$$

$$\begin{array}{r} 337 \\ 11 \overline{) 3709} \\ \underline{3707} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 13 = 285 \text{ remainder } 4$$

$$\begin{array}{r} 285 \\ 13 \overline{) 3709} \\ \underline{3705} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 17 = 218 \text{ remainder } 3$$

$$\begin{array}{r} 218 \\ 17 \overline{) 3709} \\ \underline{3706} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 19 = 195 \text{ remainder } 4$$

$$\begin{array}{r} 195 \\ 19 \overline{) 3709} \\ \underline{3705} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 23 = 161 \text{ remainder } 6$$

$$\begin{array}{r} 161 \\ 23 \overline{) 3709} \\ \underline{3703} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 29 = 127 \text{ remainder } 26$$

$$\begin{array}{r} 127 \\ 29 \overline{) 3709} \\ \underline{3683} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$3709 \div 31 = 119 \text{ remainder } 20$$

$$\begin{array}{r} 119 \\ 31 \overline{) 3709} \end{array}$$

$$\begin{array}{r} 3689 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3709 \div 37 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 37 \overline{) 3709} \\ \underline{3700} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3709 \div 41 = 90 \text{ remainder } 19$$

$$\begin{array}{r} 90 \\ 41 \overline{) 3709} \\ \underline{3690} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3709 \div 43 = 86 \text{ remainder } 11$$

$$\begin{array}{r} 86 \\ 43 \overline{) 3709} \\ \underline{3698} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3709 \div 47 = 78 \text{ remainder } 43$$

$$\begin{array}{r} 78 \\ 47 \overline{) 3709} \\ \underline{3666} \\ \text{----} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$3709 \div 53 = 69 \text{ remainder } 52$$

$$\begin{array}{r} 69 \\ 53 \overline{) 3709} \\ \underline{3657} \\ \text{----} \\ 52 \leftarrow \text{remainder} \end{array}$$



$$3709 \div 59 = 62 \text{ remainder } 51$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3709} \\ \underline{3658} \\ 51 \end{array} \leftarrow \text{remainder}$$

## **P<sub>519</sub> 3719**

$$3719 \div 2 = 1859 \text{ remainder } 1$$

$$\begin{array}{r} 1859 \\ 2 \overline{) 3719} \\ \underline{3718} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 3 = 1239 \text{ remainder } 2$$

$$\begin{array}{r} 1239 \\ 3 \overline{) 3719} \\ \underline{3717} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 5 = 743 \text{ remainder } 4$$

$$\begin{array}{r} 743 \\ 5 \overline{) 3719} \\ \underline{3715} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 7 = 531 \text{ remainder } 2$$

$$\begin{array}{r} 531 \\ 7 \overline{) 3719} \\ \underline{3717} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 11 = 338 \text{ remainder } 1$$

$$\begin{array}{r} 338 \\ 11 \overline{) 3719} \\ \underline{3718} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 13 = 286 \text{ remainder } 1$$

$$\begin{array}{r} 286 \\ 13 \overline{) 3719} \\ \underline{3718} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 17 = 218 \text{ remainder } 13$$

$$\begin{array}{r} 218 \\ 17 \overline{) 3719} \\ \underline{3706} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 19 = 195 \text{ remainder } 14$$

$$\begin{array}{r} 195 \\ 19 \overline{) 3719} \\ \underline{3705} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 23 = 161 \text{ remainder } 16$$

$$\begin{array}{r} 161 \\ 23 \overline{) 3719} \\ \underline{3703} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 29 = 128 \text{ remainder } 7$$

$$\begin{array}{r} 128 \\ 29 \overline{) 3719} \\ \underline{3712} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3719 \div 31 = 119 \text{ remainder } 30$$

$$\begin{array}{r} 119 \\ 31 \overline{) 3719} \end{array}$$

3689

----

30 ← remainder

$$3719 \div 37 = 100 \text{ remainder } 19$$

$$\begin{array}{r} 100 \\ 37 \overline{) 3719} \\ \underline{3700} \end{array}$$

----

19 ← remainder

$$3719 \div 41 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 41 \overline{) 3719} \\ \underline{3690} \end{array}$$

----

29 ← remainder

$$3719 \div 43 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 43 \overline{) 3719} \\ \underline{3698} \end{array}$$

----

21 ← remainder

$$3719 \div 47 = 79 \text{ remainder } 6$$

$$\begin{array}{r} 79 \\ 47 \overline{) 3719} \\ \underline{3713} \end{array}$$

----

6 ← remainder

$$3719 \div 53 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 53 \overline{) 3719} \\ \underline{3710} \end{array}$$

----

9 ← remainder

$$3719 \div 59 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 59 \overline{) 3719} \\ \underline{3717} \\ 2 \end{array}$$

2 ← remainder

## **P<sub>520</sub> 3727**

$$3727 \div 2 = 1863 \text{ remainder } 1$$

$$\begin{array}{r} 1863 \\ 2 \overline{) 3727} \\ \underline{3726} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 3 = 1242 \text{ remainder } 1$$

$$\begin{array}{r} 1242 \\ 3 \overline{) 3727} \\ \underline{3726} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 5 = 745 \text{ remainder } 2$$

$$\begin{array}{r} 745 \\ 5 \overline{) 3727} \\ \underline{3725} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 7 = 532 \text{ remainder } 3$$

$$\begin{array}{r} 532 \\ 7 \overline{) 3727} \\ \underline{3724} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 11 = 338 \text{ remainder } 9$$

$$\begin{array}{r} 338 \\ 11 \overline{) 3727} \\ \underline{3718} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 13 = 286 \text{ remainder } 9$$

$$\begin{array}{r} 286 \\ 13 \overline{) 3727} \\ \underline{3718} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 17 = 219 \text{ remainder } 4$$

$$\begin{array}{r} 219 \\ 17 \overline{) 3727} \\ \underline{3723} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 19 = 196 \text{ remainder } 3$$

$$\begin{array}{r} 196 \\ 19 \overline{) 3727} \\ \underline{3724} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 23 = 162 \text{ remainder } 1$$

$$\begin{array}{r} 162 \\ 23 \overline{) 3727} \\ \underline{3726} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 29 = 128 \text{ remainder } 15$$

$$\begin{array}{r} 128 \\ 29 \overline{) 3727} \\ \underline{3712} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 31 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 31 \overline{) 3727} \end{array}$$

$$\begin{array}{r} 3720 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3727 \div 37 = 100 \text{ remainder } 27$$

$$\begin{array}{r} 100 \\ 37 \mid \overline{3727} \\ \underline{3700} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$3727 \div 41 = 90 \text{ remainder } 37$$

$$\begin{array}{r} 90 \\ 41 \mid \overline{3727} \\ \underline{3690} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$3727 \div 43 = 86 \text{ remainder } 29$$

$$\begin{array}{r} 86 \\ 43 \mid \overline{3727} \\ \underline{3698} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3727 \div 47 = 79 \text{ remainder } 14$$

$$\begin{array}{r} 79 \\ 47 \mid \overline{3727} \\ \underline{3713} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3727 \div 53 = 70 \text{ remainder } 17$$

$$\begin{array}{r} 70 \\ 53 \mid \overline{3727} \\ \underline{3710} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$



$$3727 \div 59 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 59 \overline{) 3727} \\ \underline{3717} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3727 \div 61 = 61 \text{ remainder } 6$$

$$\begin{array}{r} 61 \\ 61 \overline{) 3727} \\ \underline{3721} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>521</sub> 3733**

$$3733 \div 2 = 1866 \text{ remainder } 1$$

$$\begin{array}{r} 1866 \\ 2 \overline{) 3733} \\ \underline{3732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 3 = 1244 \text{ remainder } 1$$

$$\begin{array}{r} 1244 \\ 3 \overline{) 3733} \\ \underline{3732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 5 = 746 \text{ remainder } 3$$

$$\begin{array}{r} 746 \\ 5 \overline{) 3733} \\ \underline{3730} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 7 = 533 \text{ remainder } 2$$

$$\begin{array}{r} 533 \\ 7 \overline{) 3733} \\ \underline{3731} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 11 = 339 \text{ remainder } 4$$

$$\begin{array}{r} 339 \\ 11 \overline{) 3733} \\ \underline{3729} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 13 = 287 \text{ remainder } 2$$

$$\begin{array}{r} 287 \\ 13 \overline{) 3733} \\ \underline{3731} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 17 = 219 \text{ remainder } 10$$

$$\begin{array}{r} 219 \\ 17 \overline{) 3733} \\ \underline{3723} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 19 = 196 \text{ remainder } 9$$

$$\begin{array}{r} 196 \\ 19 \overline{) 3733} \\ \underline{3724} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 23 = 162 \text{ remainder } 7$$

$$\begin{array}{r} 162 \\ 23 \overline{) 3733} \\ \underline{3726} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 29 = 128 \text{ remainder } 21$$

$$\begin{array}{r} 128 \\ 29 \overline{) 3733} \\ \underline{3712} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 31 = 120 \text{ remainder } 13$$

$$\begin{array}{r} 120 \\ 31 \overline{) 3733} \end{array}$$

$$\begin{array}{r} 3720 \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3733 \div 37 = 100 \text{ remainder } 33$$

$$\begin{array}{r} 100 \\ 37 \overline{) 3733} \\ \underline{3700} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3733 \div 41 = 91 \text{ remainder } 2$$

$$\begin{array}{r} 91 \\ 41 \overline{) 3733} \\ \underline{3731} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3733 \div 43 = 86 \text{ remainder } 35$$

$$\begin{array}{r} 86 \\ 43 \overline{) 3733} \\ \underline{3698} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3733 \div 47 = 79 \text{ remainder } 20$$

$$\begin{array}{r} 79 \\ 47 \overline{) 3733} \\ \underline{3713} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3733 \div 53 = 70 \text{ remainder } 23$$

$$\begin{array}{r} 70 \\ 53 \overline{) 3733} \\ \underline{3710} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3733 \div 59 = 63 \text{ remainder } 16$$

$$\begin{array}{r} 63 \\ 59 \overline{) 3733} \\ \underline{3717} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3733 \div 61 = 61 \text{ remainder } 12$$

$$\begin{array}{r} 61 \\ 61 \overline{) 3733} \\ \underline{3721} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>522</sub> 3739**

$$3739 \div 2 = 1869 \text{ remainder } 1$$

$$\begin{array}{r} 1869 \\ 2 \overline{) 3739} \\ \underline{3738} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 3 = 1246 \text{ remainder } 1$$

$$\begin{array}{r} 1246 \\ 3 \overline{) 3739} \\ \underline{3738} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 5 = 747 \text{ remainder } 4$$

$$\begin{array}{r} 747 \\ 5 \overline{) 3739} \\ \underline{3735} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 7 = 534 \text{ remainder } 1$$

$$\begin{array}{r} 534 \\ 7 \overline{) 3739} \\ \underline{3738} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 11 = 339 \text{ remainder } 10$$

$$\begin{array}{r} 339 \\ 11 \overline{) 3739} \\ \underline{3729} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 13 = 287 \text{ remainder } 8$$

$$\begin{array}{r} 287 \\ 13 \overline{) 3739} \\ \underline{3731} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 17 = 219 \text{ remainder } 16$$

$$\begin{array}{r} 219 \\ 17 \overline{) 3739} \\ \underline{3723} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 19 = 196 \text{ remainder } 15$$

$$\begin{array}{r} 196 \\ 19 \overline{) 3739} \\ \underline{3724} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 23 = 162 \text{ remainder } 13$$

$$\begin{array}{r} 162 \\ 23 \overline{) 3739} \\ \underline{3726} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 29 = 128 \text{ remainder } 27$$

$$\begin{array}{r} 128 \\ 29 \overline{) 3739} \\ \underline{3712} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 31 = 120 \text{ remainder } 19$$

$$\begin{array}{r} 120 \\ 31 \overline{) 3739} \end{array}$$

$$\begin{array}{r} 3720 \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3739 \div 37 = 101 \text{ remainder } 2$$

$$\begin{array}{r} 101 \\ 37 \overline{) 3739} \\ \underline{3737} \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3739 \div 41 = 91 \text{ remainder } 8$$

$$\begin{array}{r} 91 \\ 41 \overline{) 3739} \\ \underline{3731} \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3739 \div 43 = 86 \text{ remainder } 41$$

$$\begin{array}{r} 86 \\ 43 \overline{) 3739} \\ \underline{3698} \\ - - - - \\ 41 \leftarrow \text{remainder} \end{array}$$

$$3739 \div 47 = 79 \text{ remainder } 26$$

$$\begin{array}{r} 79 \\ 47 \overline{) 3739} \\ \underline{3713} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3739 \div 53 = 70 \text{ remainder } 29$$

$$\begin{array}{r} 70 \\ 53 \overline{) 3739} \\ \underline{3710} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$



$$3739 \div 59 = 63 \text{ remainder } 22$$

$$\begin{array}{r} 63 \\ 59 \overline{) 3739} \\ \underline{3717} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$3739 \div 61 = 61 \text{ remainder } 18$$

$$\begin{array}{r} 61 \\ 61 \overline{) 3739} \\ \underline{3721} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>523</sub> 3761**

$$3761 \div 2 = 1880 \text{ remainder } 1$$

$$\begin{array}{r} 1880 \\ 2 \overline{) 3761} \\ \underline{3760} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 3 = 1253 \text{ remainder } 2$$

$$\begin{array}{r} 1253 \\ 3 \overline{) 3761} \\ \underline{3759} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 5 = 752 \text{ remainder } 1$$

$$\begin{array}{r} 752 \\ 5 \overline{) 3761} \\ \underline{3760} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 7 = 537 \text{ remainder } 2$$

$$\begin{array}{r} 537 \\ 7 \overline{) 3761} \\ \underline{3759} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 11 = 341 \text{ remainder } 10$$

$$\begin{array}{r} 341 \\ 11 \overline{) 3761} \\ \underline{3751} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 13 = 289 \text{ remainder } 4$$

$$\begin{array}{r} 289 \\ 13 \overline{) 3761} \\ \underline{3757} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 17 = 221 \text{ remainder } 4$$

$$\begin{array}{r} 221 \\ 17 \overline{) 3761} \\ \underline{3757} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 19 = 197 \text{ remainder } 18$$

$$\begin{array}{r} 197 \\ 19 \overline{) 3761} \\ \underline{3743} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 23 = 163 \text{ remainder } 12$$

$$\begin{array}{r} 163 \\ 23 \overline{) 3761} \\ \underline{3749} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 29 = 129 \text{ remainder } 20$$

$$\begin{array}{r} 129 \\ 29 \overline{) 3761} \\ \underline{3741} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 31 = 121 \text{ remainder } 10$$

$$\begin{array}{r} 121 \\ 31 \overline{) 3761} \end{array}$$

$$\begin{array}{r} 3751 \\ ---- \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3761 \div 37 = 101 \text{ remainder } 24$$

$$\begin{array}{r} 101 \\ 37 \overline{) 3761} \\ \underline{3737} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3761 \div 41 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 41 \overline{) 3761} \\ \underline{3731} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3761 \div 43 = 87 \text{ remainder } 20$$

$$\begin{array}{r} 87 \\ 43 \overline{) 3761} \\ \underline{3741} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3761 \div 47 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 47 \overline{) 3761} \\ \underline{3760} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3761 \div 53 = 70 \text{ remainder } 51$$

$$\begin{array}{r} 70 \\ 53 \overline{) 3761} \\ \underline{3710} \\ 51 \leftarrow \text{remainder} \end{array}$$

$$3761 \div 59 = 63 \text{ remainder } 44$$

$$\begin{array}{r} 63 \\ 59 \overline{) 3761} \\ \underline{3717} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$3761 \div 61 = 61 \text{ remainder } 40$$

$$\begin{array}{r} 61 \\ 61 \overline{) 3761} \\ \underline{3721} \\ 40 \end{array} \leftarrow \text{remainder}$$

## **P<sub>524</sub> 3767**

$$3767 \div 2 = 1883 \text{ remainder } 1$$

$$\begin{array}{r} 1883 \\ 2 \overline{) 3767} \\ \underline{3766} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 3 = 1255 \text{ remainder } 2$$

$$\begin{array}{r} 1255 \\ 3 \overline{) 3767} \\ \underline{3765} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 5 = 753 \text{ remainder } 2$$

$$\begin{array}{r} 753 \\ 5 \overline{) 3767} \\ \underline{3765} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 7 = 538 \text{ remainder } 1$$

$$\begin{array}{r} 538 \\ 7 \overline{) 3767} \\ \underline{3766} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 11 = 342 \text{ remainder } 5$$

$$\begin{array}{r} 342 \\ 11 \overline{) 3767} \\ \underline{3762} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 13 = 289 \text{ remainder } 10$$

$$\begin{array}{r} 289 \\ 13 \overline{) 3767} \\ \underline{3757} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 17 = 221 \text{ remainder } 10$$

$$\begin{array}{r} 221 \\ 17 \overline{) 3767} \\ \underline{3757} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 19 = 198 \text{ remainder } 5$$

$$\begin{array}{r} 198 \\ 19 \overline{) 3767} \\ \underline{3762} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 23 = 163 \text{ remainder } 18$$

$$\begin{array}{r} 163 \\ 23 \overline{) 3767} \\ \underline{3749} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 29 = 129 \text{ remainder } 26$$

$$\begin{array}{r} 129 \\ 29 \overline{) 3767} \\ \underline{3741} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 31 = 121 \text{ remainder } 16$$

$$\begin{array}{r} 121 \\ 31 \overline{) 3767} \end{array}$$

$$\begin{array}{r} 3751 \\ ---- \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3767 \div 37 = 101 \text{ remainder } 30$$

$$\begin{array}{r} 101 \\ 37 \overline{) 3767} \\ \underline{3737} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3767 \div 41 = 91 \text{ remainder } 36$$

$$\begin{array}{r} 91 \\ 41 \overline{) 3767} \\ \underline{3731} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3767 \div 43 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 43 \overline{) 3767} \\ \underline{3741} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3767 \div 47 = 80 \text{ remainder } 7$$

$$\begin{array}{r} 80 \\ 47 \overline{) 3767} \\ \underline{3760} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3767 \div 53 = 71 \text{ remainder } 4$$

$$\begin{array}{r} 71 \\ 53 \overline{) 3767} \\ \underline{3763} \\ 4 \leftarrow \text{remainder} \end{array}$$



$$3767 \div 59 = 63 \text{ remainder } 50$$

$$\begin{array}{r} 63 \\ 59 \overline{) 3767} \\ \underline{3717} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$3767 \div 61 = 61 \text{ remainder } 46$$

$$\begin{array}{r} 61 \\ 61 \overline{) 3767} \\ \underline{3721} \\ 46 \end{array} \leftarrow \text{remainder}$$

## **P<sub>525</sub> 3769**

$$3769 \div 2 = 1884 \text{ remainder } 1$$

$$\begin{array}{r} 1884 \\ 2 \overline{) 3769} \\ \underline{3768} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 3 = 1256 \text{ remainder } 1$$

$$\begin{array}{r} 1256 \\ 3 \overline{) 3769} \\ \underline{3768} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 5 = 753 \text{ remainder } 4$$

$$\begin{array}{r} 753 \\ 5 \overline{) 3769} \\ \underline{3765} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 7 = 538 \text{ remainder } 3$$

$$\begin{array}{r} 538 \\ 7 \overline{) 3769} \\ \underline{3766} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 11 = 342 \text{ remainder } 7$$

$$\begin{array}{r} 342 \\ 11 \overline{) 3769} \\ \underline{3762} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 13 = 289 \text{ remainder } 12$$

$$\begin{array}{r} 289 \\ 13 \overline{) 3769} \\ \underline{3757} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 17 = 221 \text{ remainder } 12$$

$$\begin{array}{r} 221 \\ 17 \overline{) 3769} \\ \underline{3757} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 19 = 198 \text{ remainder } 7$$

$$\begin{array}{r} 198 \\ 19 \overline{) 3769} \\ \underline{3762} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 23 = 163 \text{ remainder } 20$$

$$\begin{array}{r} 163 \\ 23 \overline{) 3769} \\ \underline{3749} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 29 = 129 \text{ remainder } 28$$

$$\begin{array}{r} 129 \\ 29 \overline{) 3769} \\ \underline{3741} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 31 = 121 \text{ remainder } 18$$

$$\begin{array}{r} 121 \\ 31 \overline{) 3769} \end{array}$$

$$\begin{array}{r} 3751 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3769 \div 37 = 101 \text{ remainder } 32$$

$$\begin{array}{r} 101 \\ 37 \overline{) 3769} \\ \underline{3737} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3769 \div 41 = 91 \text{ remainder } 38$$

$$\begin{array}{r} 91 \\ 41 \overline{) 3769} \\ \underline{3731} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$3769 \div 43 = 87 \text{ remainder } 28$$

$$\begin{array}{r} 87 \\ 43 \overline{) 3769} \\ \underline{3741} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3769 \div 47 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 47 \overline{) 3769} \\ \underline{3760} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3769 \div 53 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 53 \overline{) 3769} \\ \underline{3763} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3769 \div 59 = 63 \text{ remainder } 52$$

$$\begin{array}{r} 63 \\ 59 \overline{) 3769} \\ \underline{3717} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$3769 \div 61 = 61 \text{ remainder } 48$$

$$\begin{array}{r} 61 \\ 61 \overline{) 3769} \\ \underline{3721} \\ 48 \end{array} \leftarrow \text{remainder}$$

## **P<sub>526</sub> 3779**

$$3779 \div 2 = 1889 \text{ remainder } 1$$

$$\begin{array}{r} 1889 \\ 2 \overline{) 3779} \\ \underline{3778} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 3 = 1259 \text{ remainder } 2$$

$$\begin{array}{r} 1259 \\ 3 \overline{) 3779} \\ \underline{3777} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 5 = 755 \text{ remainder } 4$$

$$\begin{array}{r} 755 \\ 5 \overline{) 3779} \\ \underline{3775} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 7 = 539 \text{ remainder } 6$$

$$\begin{array}{r} 539 \\ 7 \overline{) 3779} \\ \underline{3773} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 11 = 343 \text{ remainder } 6$$

$$\begin{array}{r} 343 \\ 11 \overline{) 3779} \\ \underline{3773} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 13 = 290 \text{ remainder } 9$$

$$\begin{array}{r} 290 \\ 13 \overline{) 3779} \\ \underline{3770} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 17 = 222 \text{ remainder } 5$$

$$\begin{array}{r} 222 \\ 17 \overline{) 3779} \\ \underline{3774} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 19 = 198 \text{ remainder } 17$$

$$\begin{array}{r} 198 \\ 19 \overline{) 3779} \\ \underline{3762} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 23 = 164 \text{ remainder } 7$$

$$\begin{array}{r} 164 \\ 23 \overline{) 3779} \\ \underline{3772} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 29 = 130 \text{ remainder } 9$$

$$\begin{array}{r} 130 \\ 29 \overline{) 3779} \\ \underline{3770} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 31 = 121 \text{ remainder } 28$$

$$\begin{array}{r} 121 \\ 31 \overline{) 3779} \end{array}$$

$$\begin{array}{r} 3751 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3779 \div 37 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 37 \overline{) 3779} \\ \underline{3774} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$3779 \div 41 = 92 \text{ remainder } 7$$

$$\begin{array}{r} 92 \\ 41 \overline{) 3779} \\ \underline{3772} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3779 \div 43 = 87 \text{ remainder } 38$$

$$\begin{array}{r} 87 \\ 43 \overline{) 3779} \\ \underline{3741} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$3779 \div 47 = 80 \text{ remainder } 19$$

$$\begin{array}{r} 80 \\ 47 \overline{) 3779} \\ \underline{3760} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3779 \div 53 = 71 \text{ remainder } 16$$

$$\begin{array}{r} 71 \\ 53 \overline{) 3779} \\ \underline{3763} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$



$$3779 \div 59 = 64 \text{ remainder } 3$$

$$\begin{array}{r} 64 \\ 59 \overline{) 3779} \\ \underline{3776} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3779 \div 61 = 61 \text{ remainder } 58$$

$$\begin{array}{r} 61 \\ 61 \overline{) 3779} \\ \underline{3721} \\ 58 \end{array} \leftarrow \text{remainder}$$

## **P<sub>527</sub> 3793**

$$3793 \div 2 = 1896 \text{ remainder } 1$$

$$\begin{array}{r} 1896 \\ 2 \overline{) 3793} \\ \underline{3792} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 3 = 1264 \text{ remainder } 1$$

$$\begin{array}{r} 1264 \\ 3 \overline{) 3793} \\ \underline{3792} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 5 = 758 \text{ remainder } 3$$

$$\begin{array}{r} 758 \\ 5 \overline{) 3793} \\ \underline{3790} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 7 = 541 \text{ remainder } 6$$

$$\begin{array}{r} 541 \\ 7 \overline{) 3793} \\ \underline{3787} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 11 = 344 \text{ remainder } 9$$

$$\begin{array}{r} 344 \\ 11 \overline{) 3793} \\ \underline{3784} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 13 = 291 \text{ remainder } 10$$

$$\begin{array}{r} 291 \\ 13 \overline{) 3793} \\ \underline{3783} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 17 = 223 \text{ remainder } 2$$

$$\begin{array}{r} 223 \\ 17 \overline{) 3793} \\ \underline{3791} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 19 = 199 \text{ remainder } 12$$

$$\begin{array}{r} 199 \\ 19 \overline{) 3793} \\ \underline{3781} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 23 = 164 \text{ remainder } 21$$

$$\begin{array}{r} 164 \\ 23 \overline{) 3793} \\ \underline{3772} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 29 = 130 \text{ remainder } 23$$

$$\begin{array}{r} 130 \\ 29 \overline{) 3793} \\ \underline{3770} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 31 = 122 \text{ remainder } 11$$

$$\begin{array}{r} 122 \\ 31 \overline{) 3793} \end{array}$$

$$\begin{array}{r} 3782 \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3793 \div 37 = 102 \text{ remainder } 19$$

$$\begin{array}{r} 102 \\ 37 \overline{) 3793} \\ \underline{3774} \phantom{00} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3793 \div 41 = 92 \text{ remainder } 21$$

$$\begin{array}{r} 92 \\ 41 \overline{) 3793} \\ \underline{3772} \phantom{00} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3793 \div 43 = 88 \text{ remainder } 9$$

$$\begin{array}{r} 88 \\ 43 \overline{) 3793} \\ \underline{3784} \phantom{00} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3793 \div 47 = 80 \text{ remainder } 33$$

$$\begin{array}{r} 80 \\ 47 \overline{) 3793} \\ \underline{3760} \phantom{00} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$3793 \div 53 = 71 \text{ remainder } 30$$

$$\begin{array}{r} 71 \\ 53 \overline{) 3793} \\ \underline{3763} \phantom{00} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3793 \div 59 = 64 \text{ remainder } 17$$

$$\begin{array}{r} 64 \\ 59 \overline{) 3793} \\ \underline{3776} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3793 \div 61 = 62 \text{ remainder } 11$$

$$\begin{array}{r} 62 \\ 61 \overline{) 3793} \\ \underline{3782} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>528</sub> 3797**

$$3797 \div 2 = 1898 \text{ remainder } 1$$

$$\begin{array}{r} 1898 \\ 2 \overline{) 3797} \\ \underline{3796} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 3 = 1265 \text{ remainder } 2$$

$$\begin{array}{r} 1265 \\ 3 \overline{) 3797} \\ \underline{3795} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 5 = 759 \text{ remainder } 2$$

$$\begin{array}{r} 759 \\ 5 \overline{) 3797} \\ \underline{3795} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 7 = 542 \text{ remainder } 3$$

$$\begin{array}{r} 542 \\ 7 \overline{) 3797} \\ \underline{3794} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 11 = 345 \text{ remainder } 2$$

$$\begin{array}{r} 345 \\ 11 \overline{) 3797} \\ \underline{3795} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 13 = 292 \text{ remainder } 1$$

$$\begin{array}{r} 292 \\ 13 \overline{) 3797} \\ \underline{3796} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 17 = 223 \text{ remainder } 6$$

$$\begin{array}{r} 223 \\ 17 \overline{) 3797} \\ \underline{3791} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 19 = 199 \text{ remainder } 16$$

$$\begin{array}{r} 199 \\ 19 \overline{) 3797} \\ \underline{3781} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 23 = 165 \text{ remainder } 2$$

$$\begin{array}{r} 165 \\ 23 \overline{) 3797} \\ \underline{3795} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 29 = 130 \text{ remainder } 27$$

$$\begin{array}{r} 130 \\ 29 \overline{) 3797} \\ \underline{3770} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 31 = 122 \text{ remainder } 15$$

$$\begin{array}{r} 122 \\ 31 \overline{) 3797} \end{array}$$

$$\begin{array}{r} 3782 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3797 \div 37 = 102 \text{ remainder } 23$$

$$\begin{array}{r} 102 \\ 37 \overline{) 3797} \\ \underline{3774} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3797 \div 41 = 92 \text{ remainder } 25$$

$$\begin{array}{r} 92 \\ 41 \overline{) 3797} \\ \underline{3772} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3797 \div 43 = 88 \text{ remainder } 13$$

$$\begin{array}{r} 88 \\ 43 \overline{) 3797} \\ \underline{3784} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3797 \div 47 = 80 \text{ remainder } 37$$

$$\begin{array}{r} 80 \\ 47 \overline{) 3797} \\ \underline{3760} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$3797 \div 53 = 71 \text{ remainder } 34$$

$$\begin{array}{r} 71 \\ 53 \overline{) 3797} \\ \underline{3763} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$



$$3797 \div 59 = 64 \text{ remainder } 21$$

$$\begin{array}{r} 64 \\ 59 \overline{) 3797} \\ \underline{3776} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3797 \div 61 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 61 \overline{) 3797} \\ \underline{3782} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>529</sub> 3803**

$$3803 \div 2 = 1901 \text{ remainder } 1$$

$$\begin{array}{r} 1901 \\ 2 \overline{) 3803} \\ \underline{3802} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 3 = 1267 \text{ remainder } 2$$

$$\begin{array}{r} 1267 \\ 3 \overline{) 3803} \\ \underline{3801} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 5 = 760 \text{ remainder } 3$$

$$\begin{array}{r} 760 \\ 5 \overline{) 3803} \\ \underline{3800} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 7 = 543 \text{ remainder } 2$$

$$\begin{array}{r} 543 \\ 7 \overline{) 3803} \\ \underline{3801} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 11 = 345 \text{ remainder } 8$$

$$\begin{array}{r} 345 \\ 11 \overline{) 3803} \\ \underline{3795} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 13 = 292 \text{ remainder } 7$$

$$\begin{array}{r} 292 \\ 13 \overline{) 3803} \\ \underline{3796} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 17 = 223 \text{ remainder } 12$$

$$\begin{array}{r} 223 \\ 17 \overline{) 3803} \\ \underline{3791} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 19 = 200 \text{ remainder } 3$$

$$\begin{array}{r} 200 \\ 19 \overline{) 3803} \\ \underline{3800} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 23 = 165 \text{ remainder } 8$$

$$\begin{array}{r} 165 \\ 23 \overline{) 3803} \\ \underline{3795} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 29 = 131 \text{ remainder } 4$$

$$\begin{array}{r} 131 \\ 29 \overline{) 3803} \\ \underline{3799} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 31 = 122 \text{ remainder } 21$$

$$\begin{array}{r} 122 \\ 31 \overline{) 3803} \end{array}$$

$$\begin{array}{r} 3782 \\ ---- \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3803 \div 37 = 102 \text{ remainder } 29$$

$$\begin{array}{r} 102 \\ 37 \overline{) 3803} \\ \underline{3774} \\ ---- \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3803 \div 41 = 92 \text{ remainder } 31$$

$$\begin{array}{r} 92 \\ 41 \overline{) 3803} \\ \underline{3772} \\ ---- \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3803 \div 43 = 88 \text{ remainder } 19$$

$$\begin{array}{r} 88 \\ 43 \overline{) 3803} \\ \underline{3784} \\ ---- \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3803 \div 47 = 80 \text{ remainder } 43$$

$$\begin{array}{r} 80 \\ 47 \overline{) 3803} \\ \underline{3760} \\ ---- \\ 43 \leftarrow \text{remainder} \end{array}$$

$$3803 \div 53 = 71 \text{ remainder } 40$$

$$\begin{array}{r} 71 \\ 53 \overline{) 3803} \\ \underline{3763} \\ ---- \\ 40 \leftarrow \text{remainder} \end{array}$$

$$3803 \div 59 = 64 \text{ remainder } 27$$

$$\begin{array}{r} 64 \\ 59 \overline{) 3803} \\ \underline{3776} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$3803 \div 61 = 62 \text{ remainder } 21$$

$$\begin{array}{r} 62 \\ 61 \overline{) 3803} \\ \underline{3782} \\ 21 \end{array} \leftarrow \text{remainder}$$

## **P<sub>530</sub> 3821**

$$3821 \div 2 = 1910 \text{ remainder } 1$$

$$\begin{array}{r} 1910 \\ 2 \overline{) 3821} \\ \underline{3820} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 3 = 1273 \text{ remainder } 2$$

$$\begin{array}{r} 1273 \\ 3 \overline{) 3821} \\ \underline{3819} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 5 = 764 \text{ remainder } 1$$

$$\begin{array}{r} 764 \\ 5 \overline{) 3821} \\ \underline{3820} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 7 = 545 \text{ remainder } 6$$

$$\begin{array}{r} 545 \\ 7 \overline{) 3821} \\ \underline{3815} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 11 = 347 \text{ remainder } 4$$

$$\begin{array}{r} 347 \\ 11 \overline{) 3821} \\ \underline{3817} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 13 = 293 \text{ remainder } 12$$

$$\begin{array}{r} 293 \\ 13 \overline{) 3821} \\ \underline{3809} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 17 = 224 \text{ remainder } 13$$

$$\begin{array}{r} 224 \\ 17 \overline{) 3821} \\ \underline{3808} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 19 = 201 \text{ remainder } 2$$

$$\begin{array}{r} 201 \\ 19 \overline{) 3821} \\ \underline{3819} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 23 = 166 \text{ remainder } 3$$

$$\begin{array}{r} 166 \\ 23 \overline{) 3821} \\ \underline{3818} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 29 = 131 \text{ remainder } 22$$

$$\begin{array}{r} 131 \\ 29 \overline{) 3821} \\ \underline{3799} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 31 = 123 \text{ remainder } 8$$

$$\begin{array}{r} 123 \\ 31 \overline{) 3821} \end{array}$$

$$\begin{array}{r} 3813 \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3821 \div 37 = 103 \text{ remainder } 10$$

$$\begin{array}{r} 103 \\ 37 \overline{) 3821} \\ \underline{3811} \phantom{00} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3821 \div 41 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 41 \overline{) 3821} \\ \underline{3813} \phantom{00} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3821 \div 43 = 88 \text{ remainder } 37$$

$$\begin{array}{r} 88 \\ 43 \overline{) 3821} \\ \underline{3784} \phantom{00} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$3821 \div 47 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 47 \overline{) 3821} \\ \underline{3807} \phantom{00} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3821 \div 53 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3821} \\ \underline{3816} \phantom{00} \\ 5 \leftarrow \text{remainder} \end{array}$$



$$3821 \div 59 = 64 \text{ remainder } 45$$

$$\begin{array}{r} 64 \\ 59 \overline{) 3821} \\ \underline{3776} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$3821 \div 61 = 62 \text{ remainder } 39$$

$$\begin{array}{r} 62 \\ 61 \overline{) 3821} \\ \underline{3782} \\ 39 \end{array} \leftarrow \text{remainder}$$

## **P<sub>531</sub> 3823**

$$3823 \div 2 = 1911 \text{ remainder } 1$$

$$\begin{array}{r} 1911 \\ 2 \overline{) 3823} \\ \underline{3822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 3 = 1274 \text{ remainder } 1$$

$$\begin{array}{r} 1274 \\ 3 \overline{) 3823} \\ \underline{3822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 5 = 764 \text{ remainder } 3$$

$$\begin{array}{r} 764 \\ 5 \overline{) 3823} \\ \underline{3820} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 7 = 546 \text{ remainder } 1$$

$$\begin{array}{r} 546 \\ 7 \overline{) 3823} \\ \underline{3822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 11 = 347 \text{ remainder } 6$$

$$\begin{array}{r} 347 \\ 11 \overline{) 3823} \\ \underline{3817} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 13 = 294 \text{ remainder } 1$$

$$\begin{array}{r} 294 \\ 13 \overline{) 3823} \\ \underline{3822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 17 = 224 \text{ remainder } 15$$

$$\begin{array}{r} 224 \\ 17 \overline{) 3823} \\ \underline{3808} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 19 = 201 \text{ remainder } 4$$

$$\begin{array}{r} 201 \\ 19 \overline{) 3823} \\ \underline{3819} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 23 = 166 \text{ remainder } 5$$

$$\begin{array}{r} 166 \\ 23 \overline{) 3823} \\ \underline{3818} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 29 = 131 \text{ remainder } 24$$

$$\begin{array}{r} 131 \\ 29 \overline{) 3823} \\ \underline{3799} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 31 = 123 \text{ remainder } 10$$

$$\begin{array}{r} 123 \\ 31 \overline{) 3823} \end{array}$$

$$\begin{array}{r} 3813 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3823 \div 37 = 103 \text{ remainder } 12$$

$$\begin{array}{r} 103 \\ 37 \overline{) 3823} \\ \underline{3811} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$3823 \div 41 = 93 \text{ remainder } 10$$

$$\begin{array}{r} 93 \\ 41 \overline{) 3823} \\ \underline{3813} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3823 \div 43 = 88 \text{ remainder } 39$$

$$\begin{array}{r} 88 \\ 43 \overline{) 3823} \\ \underline{3784} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$3823 \div 47 = 81 \text{ remainder } 16$$

$$\begin{array}{r} 81 \\ 47 \overline{) 3823} \\ \underline{3807} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3823 \div 53 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3823} \\ \underline{3816} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3823 \div 59 = 64 \text{ remainder } 47$$

$$\begin{array}{r} 64 \\ 59 \overline{) 3823} \\ \underline{3776} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$3823 \div 61 = 62 \text{ remainder } 41$$

$$\begin{array}{r} 62 \\ 61 \overline{) 3823} \\ \underline{3782} \\ 41 \end{array} \leftarrow \text{remainder}$$

## **P<sub>532</sub> 3833**

$$3833 \div 2 = 1916 \text{ remainder } 1$$

$$\begin{array}{r} 1916 \\ 2 \overline{) 3833} \\ \underline{3832} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 3 = 1277 \text{ remainder } 2$$

$$\begin{array}{r} 1277 \\ 3 \overline{) 3833} \\ \underline{3831} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 5 = 766 \text{ remainder } 3$$

$$\begin{array}{r} 766 \\ 5 \overline{) 3833} \\ \underline{3830} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 7 = 547 \text{ remainder } 4$$

$$\begin{array}{r} 547 \\ 7 \overline{) 3833} \\ \underline{3829} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 11 = 348 \text{ remainder } 5$$

$$\begin{array}{r} 348 \\ 11 \overline{) 3833} \\ \underline{3828} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 13 = 294 \text{ remainder } 11$$

$$\begin{array}{r} 294 \\ 13 \overline{) 3833} \\ \underline{3822} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 17 = 225 \text{ remainder } 8$$

$$\begin{array}{r} 225 \\ 17 \overline{) 3833} \\ \underline{3825} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 19 = 201 \text{ remainder } 14$$

$$\begin{array}{r} 201 \\ 19 \overline{) 3833} \\ \underline{3819} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 23 = 166 \text{ remainder } 15$$

$$\begin{array}{r} 166 \\ 23 \overline{) 3833} \\ \underline{3818} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 29 = 132 \text{ remainder } 5$$

$$\begin{array}{r} 132 \\ 29 \overline{) 3833} \\ \underline{3828} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 31 = 123 \text{ remainder } 20$$

$$\begin{array}{r} 123 \\ 31 \overline{) 3833} \end{array}$$

$$\begin{array}{r} 3813 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3833 \div 37 = 103 \text{ remainder } 22$$

$$\begin{array}{r} 103 \\ 37 \overline{) 3833} \\ \underline{3811} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3833 \div 41 = 93 \text{ remainder } 20$$

$$\begin{array}{r} 93 \\ 41 \overline{) 3833} \\ \underline{3813} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3833 \div 43 = 89 \text{ remainder } 6$$

$$\begin{array}{r} 89 \\ 43 \overline{) 3833} \\ \underline{3827} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3833 \div 47 = 81 \text{ remainder } 26$$

$$\begin{array}{r} 81 \\ 47 \overline{) 3833} \\ \underline{3807} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$3833 \div 53 = 72 \text{ remainder } 17$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3833} \\ \underline{3816} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$



$$3833 \div 59 = 64 \text{ remainder } 57$$

$$\begin{array}{r} 64 \\ 59 \overline{) 3833} \\ \underline{3776} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$3833 \div 61 = 62 \text{ remainder } 51$$

$$\begin{array}{r} 62 \\ 61 \overline{) 3833} \\ \underline{3782} \\ 51 \end{array} \leftarrow \text{remainder}$$

## **P<sub>533</sub> 3847**

$$3847 \div 2 = 1923 \text{ remainder } 1$$

$$\begin{array}{r} 1923 \\ 2 \overline{) 3847} \\ \underline{3846} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 3 = 1282 \text{ remainder } 1$$

$$\begin{array}{r} 1282 \\ 3 \overline{) 3847} \\ \underline{3846} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 5 = 769 \text{ remainder } 2$$

$$\begin{array}{r} 769 \\ 5 \overline{) 3847} \\ \underline{3845} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 7 = 549 \text{ remainder } 4$$

$$\begin{array}{r} 549 \\ 7 \overline{) 3847} \\ \underline{3843} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 11 = 349 \text{ remainder } 8$$

$$\begin{array}{r} 349 \\ 11 \overline{) 3847} \\ \underline{3839} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 13 = 295 \text{ remainder } 12$$

$$\begin{array}{r} 295 \\ 13 \overline{) 3847} \\ \underline{3835} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 17 = 226 \text{ remainder } 5$$

$$\begin{array}{r} 226 \\ 17 \overline{) 3847} \\ \underline{3842} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 19 = 202 \text{ remainder } 9$$

$$\begin{array}{r} 202 \\ 19 \overline{) 3847} \\ \underline{3838} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 23 = 167 \text{ remainder } 6$$

$$\begin{array}{r} 167 \\ 23 \overline{) 3847} \\ \underline{3841} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 29 = 132 \text{ remainder } 19$$

$$\begin{array}{r} 132 \\ 29 \overline{) 3847} \\ \underline{3828} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 31 = 124 \text{ remainder } 3$$

$$\begin{array}{r} 124 \\ 31 \overline{) 3847} \end{array}$$

$$\begin{array}{r} 3844 \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3847 \div 37 = 103 \text{ remainder } 36$$

$$\begin{array}{r} 103 \\ 37 \overline{) 3847} \\ \underline{3811} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3847 \div 41 = 93 \text{ remainder } 34$$

$$\begin{array}{r} 93 \\ 41 \overline{) 3847} \\ \underline{3813} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3847 \div 43 = 89 \text{ remainder } 20$$

$$\begin{array}{r} 89 \\ 43 \overline{) 3847} \\ \underline{3827} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3847 \div 47 = 81 \text{ remainder } 40$$

$$\begin{array}{r} 81 \\ 47 \overline{) 3847} \\ \underline{3807} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$3847 \div 53 = 72 \text{ remainder } 31$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3847} \\ \underline{3816} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3847 \div 59 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 59 \overline{) 3847} \\ \underline{3835} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3847 \div 61 = 63 \text{ remainder } 4$$

$$\begin{array}{r} 63 \\ 61 \overline{) 3847} \\ \underline{3843} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>534</sub> 3851**

$$3851 \div 2 = 1925 \text{ remainder } 1$$

$$\begin{array}{r} 1925 \\ 2 \overline{) 3851} \\ \underline{3850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 3 = 1283 \text{ remainder } 2$$

$$\begin{array}{r} 1283 \\ 3 \overline{) 3851} \\ \underline{3849} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 5 = 770 \text{ remainder } 1$$

$$\begin{array}{r} 770 \\ 5 \overline{) 3851} \\ \underline{3850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 7 = 550 \text{ remainder } 1$$

$$\begin{array}{r} 550 \\ 7 \overline{) 3851} \\ \underline{3850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 11 = 350 \text{ remainder } 1$$

$$\begin{array}{r} 350 \\ 11 \overline{) 3851} \\ \underline{3850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 13 = 296 \text{ remainder } 3$$

$$\begin{array}{r} 296 \\ 13 \overline{) 3851} \\ \underline{3848} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 17 = 226 \text{ remainder } 9$$

$$\begin{array}{r} 226 \\ 17 \overline{) 3851} \\ \underline{3842} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 19 = 202 \text{ remainder } 13$$

$$\begin{array}{r} 202 \\ 19 \overline{) 3851} \\ \underline{3838} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 23 = 167 \text{ remainder } 10$$

$$\begin{array}{r} 167 \\ 23 \overline{) 3851} \\ \underline{3841} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 29 = 132 \text{ remainder } 23$$

$$\begin{array}{r} 132 \\ 29 \overline{) 3851} \\ \underline{3828} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 31 = 124 \text{ remainder } 7$$

$$\begin{array}{r} 124 \\ 31 \overline{) 3851} \end{array}$$

$$\begin{array}{r} 3844 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3851 \div 37 = 104 \text{ remainder } 3$$

$$\begin{array}{r} 104 \\ 37 \overline{) 3851} \\ \underline{3848} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$3851 \div 41 = 93 \text{ remainder } 38$$

$$\begin{array}{r} 93 \\ 41 \overline{) 3851} \\ \underline{3813} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$3851 \div 43 = 89 \text{ remainder } 24$$

$$\begin{array}{r} 89 \\ 43 \overline{) 3851} \\ \underline{3827} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3851 \div 47 = 81 \text{ remainder } 44$$

$$\begin{array}{r} 81 \\ 47 \overline{) 3851} \\ \underline{3807} \\ \text{----} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$3851 \div 53 = 72 \text{ remainder } 35$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3851} \\ \underline{3816} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$



$$3851 \div 59 = 65 \text{ remainder } 16$$

$$\begin{array}{r} 65 \\ 59 \overline{) 3851} \\ \underline{3835} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3851 \div 61 = 63 \text{ remainder } 8$$

$$\begin{array}{r} 63 \\ 61 \overline{) 3851} \\ \underline{3843} \\ 8 \end{array} \leftarrow \text{remainder}$$

## **P<sub>535</sub> 3853**

$$3853 \div 2 = 1926 \text{ remainder } 1$$

$$\begin{array}{r} 1926 \\ 2 \overline{) 3853} \\ \underline{3852} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 3 = 1284 \text{ remainder } 1$$

$$\begin{array}{r} 1284 \\ 3 \overline{) 3853} \\ \underline{3852} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 5 = 770 \text{ remainder } 3$$

$$\begin{array}{r} 770 \\ 5 \overline{) 3853} \\ \underline{3850} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 7 = 550 \text{ remainder } 3$$

$$\begin{array}{r} 550 \\ 7 \overline{) 3853} \\ \underline{3850} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 11 = 350 \text{ remainder } 3$$

$$\begin{array}{r} 350 \\ 11 \overline{) 3853} \\ \underline{3850} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 13 = 296 \text{ remainder } 5$$

$$\begin{array}{r} 296 \\ 13 \overline{) 3853} \\ \underline{3848} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 17 = 226 \text{ remainder } 11$$

$$\begin{array}{r} 226 \\ 17 \overline{) 3853} \\ \underline{3842} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 19 = 202 \text{ remainder } 15$$

$$\begin{array}{r} 202 \\ 19 \overline{) 3853} \\ \underline{3838} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 23 = 167 \text{ remainder } 12$$

$$\begin{array}{r} 167 \\ 23 \overline{) 3853} \\ \underline{3841} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 29 = 132 \text{ remainder } 25$$

$$\begin{array}{r} 132 \\ 29 \overline{) 3853} \\ \underline{3828} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 31 = 124 \text{ remainder } 9$$

$$\begin{array}{r} 124 \\ 31 \overline{) 3853} \end{array}$$

3844

----

9 ← remainder

$$3853 \div 37 = 104 \text{ remainder } 5$$

$$\begin{array}{r} 104 \\ 37 \overline{) 3853} \\ \underline{3848} \end{array}$$

----

5 ← remainder

$$3853 \div 41 = 93 \text{ remainder } 40$$

$$\begin{array}{r} 93 \\ 41 \overline{) 3853} \\ \underline{3813} \end{array}$$

----

40 ← remainder

$$3853 \div 43 = 89 \text{ remainder } 26$$

$$\begin{array}{r} 89 \\ 43 \overline{) 3853} \\ \underline{3827} \end{array}$$

----

26 ← remainder

$$3853 \div 47 = 81 \text{ remainder } 46$$

$$\begin{array}{r} 81 \\ 47 \overline{) 3853} \\ \underline{3807} \end{array}$$

----

46 ← remainder

$$3853 \div 53 = 72 \text{ remainder } 37$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3853} \\ \underline{3816} \end{array}$$

----

37 ← remainder

$$3853 \div 59 = 65 \text{ remainder } 18$$

$$\begin{array}{r} 65 \\ 59 \overline{) 3853} \\ \underline{3835} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3853 \div 61 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 61 \overline{) 3853} \\ \underline{3843} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>536</sub> 3863**

$$3863 \div 2 = 1931 \text{ remainder } 1$$

$$\begin{array}{r} 1931 \\ 2 \overline{) 3863} \\ \underline{3862} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 3 = 1287 \text{ remainder } 2$$

$$\begin{array}{r} 1287 \\ 3 \overline{) 3863} \\ \underline{3861} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 5 = 772 \text{ remainder } 3$$

$$\begin{array}{r} 772 \\ 5 \overline{) 3863} \\ \underline{3860} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 7 = 551 \text{ remainder } 6$$

$$\begin{array}{r} 551 \\ 7 \overline{) 3863} \\ \underline{3857} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 11 = 351 \text{ remainder } 2$$

$$\begin{array}{r} 351 \\ 11 \overline{) 3863} \\ \underline{3861} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 13 = 297 \text{ remainder } 2$$

$$\begin{array}{r} 297 \\ 13 \overline{) 3863} \\ \underline{3861} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 17 = 227 \text{ remainder } 4$$

$$\begin{array}{r} 227 \\ 17 \overline{) 3863} \\ \underline{3859} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 19 = 203 \text{ remainder } 6$$

$$\begin{array}{r} 203 \\ 19 \overline{) 3863} \\ \underline{3857} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 23 = 167 \text{ remainder } 22$$

$$\begin{array}{r} 167 \\ 23 \overline{) 3863} \\ \underline{3841} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 29 = 133 \text{ remainder } 6$$

$$\begin{array}{r} 133 \\ 29 \overline{) 3863} \\ \underline{3857} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 31 = 124 \text{ remainder } 19$$

$$\begin{array}{r} 124 \\ 31 \overline{) 3863} \end{array}$$

$$\begin{array}{r} 3844 \\ ---- \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3863 \div 37 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 37 \overline{) 3863} \\ \underline{3848} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$3863 \div 41 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 41 \overline{) 3863} \\ \underline{3854} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3863 \div 43 = 89 \text{ remainder } 36$$

$$\begin{array}{r} 89 \\ 43 \overline{) 3863} \\ \underline{3827} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3863 \div 47 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 47 \overline{) 3863} \\ \underline{3854} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3863 \div 53 = 72 \text{ remainder } 47$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3863} \\ \underline{3816} \\ 47 \leftarrow \text{remainder} \end{array}$$



$$3863 \div 59 = 65 \text{ remainder } 28$$

$$\begin{array}{r} 65 \\ 59 \overline{) 3863} \\ \underline{3835} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$3863 \div 61 = 63 \text{ remainder } 20$$

$$\begin{array}{r} 63 \\ 61 \overline{) 3863} \\ \underline{3843} \\ 20 \end{array} \leftarrow \text{remainder}$$

## **P<sub>537</sub> 3877**

$$3877 \div 2 = 1938 \text{ remainder } 1$$

$$\begin{array}{r} 1938 \\ 2 \overline{) 3877} \\ \underline{3876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 3 = 1292 \text{ remainder } 1$$

$$\begin{array}{r} 1292 \\ 3 \overline{) 3877} \\ \underline{3876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 5 = 775 \text{ remainder } 2$$

$$\begin{array}{r} 775 \\ 5 \overline{) 3877} \\ \underline{3875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 7 = 553 \text{ remainder } 6$$

$$\begin{array}{r} 553 \\ 7 \overline{) 3877} \\ \underline{3871} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 11 = 352 \text{ remainder } 5$$

$$\begin{array}{r} 352 \\ 11 \overline{) 3877} \\ \underline{3872} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 13 = 298 \text{ remainder } 3$$

$$\begin{array}{r} 298 \\ 13 \overline{) 3877} \\ \underline{3874} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 17 = 228 \text{ remainder } 1$$

$$\begin{array}{r} 228 \\ 17 \overline{) 3877} \\ \underline{3876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 19 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 204 \\ 19 \overline{) 3877} \\ \underline{3876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 23 = 168 \text{ remainder } 13$$

$$\begin{array}{r} 168 \\ 23 \overline{) 3877} \\ \underline{3864} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 29 = 133 \text{ remainder } 20$$

$$\begin{array}{r} 133 \\ 29 \overline{) 3877} \\ \underline{3857} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 31 = 125 \text{ remainder } 2$$

$$\begin{array}{r} 125 \\ 31 \overline{) 3877} \end{array}$$

$$\begin{array}{r} 3875 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3877 \div 37 = 104 \text{ remainder } 29$$

$$\begin{array}{r} 104 \\ 37 \overline{) 3877} \\ \underline{3848} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$3877 \div 41 = 94 \text{ remainder } 23$$

$$\begin{array}{r} 94 \\ 41 \overline{) 3877} \\ \underline{3854} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3877 \div 43 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 43 \overline{) 3877} \\ \underline{3870} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3877 \div 47 = 82 \text{ remainder } 23$$

$$\begin{array}{r} 82 \\ 47 \overline{) 3877} \\ \underline{3854} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3877 \div 53 = 73 \text{ remainder } 8$$

$$\begin{array}{r} 73 \\ 53 \overline{) 3877} \\ \underline{3869} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3877 \div 59 = 65 \text{ remainder } 42$$

$$\begin{array}{r} 65 \\ 59 \overline{) 3877} \\ \underline{3835} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$3877 \div 61 = 63 \text{ remainder } 34$$

$$\begin{array}{r} 63 \\ 61 \overline{) 3877} \\ \underline{3843} \\ 34 \end{array} \leftarrow \text{remainder}$$

## **P<sub>538</sub> 3881**

$$3881 \div 2 = 1940 \text{ remainder } 1$$

$$\begin{array}{r} 1940 \\ 2 \overline{) 3881} \\ \underline{3880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 3 = 1293 \text{ remainder } 2$$

$$\begin{array}{r} 1293 \\ 3 \overline{) 3881} \\ \underline{3879} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 5 = 776 \text{ remainder } 1$$

$$\begin{array}{r} 776 \\ 5 \overline{) 3881} \\ \underline{3880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 7 = 554 \text{ remainder } 3$$

$$\begin{array}{r} 554 \\ 7 \overline{) 3881} \\ \underline{3878} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 11 = 352 \text{ remainder } 9$$

$$\begin{array}{r} 352 \\ 11 \overline{) 3881} \\ \underline{3872} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 13 = 298 \text{ remainder } 7$$

$$\begin{array}{r} 298 \\ 13 \overline{) 3881} \\ \underline{3874} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 17 = 228 \text{ remainder } 5$$

$$\begin{array}{r} 228 \\ 17 \overline{) 3881} \\ \underline{3876} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 19 = 204 \text{ remainder } 5$$

$$\begin{array}{r} 204 \\ 19 \overline{) 3881} \\ \underline{3876} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 23 = 168 \text{ remainder } 17$$

$$\begin{array}{r} 168 \\ 23 \overline{) 3881} \\ \underline{3864} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 29 = 133 \text{ remainder } 24$$

$$\begin{array}{r} 133 \\ 29 \overline{) 3881} \\ \underline{3857} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 31 = 125 \text{ remainder } 6$$

$$\begin{array}{r} 125 \\ 31 \overline{) 3881} \end{array}$$

3875

----

6 ← remainder

$$3881 \div 37 = 104 \text{ remainder } 33$$

$$\begin{array}{r} 104 \\ 37 \overline{) 3881} \\ \underline{3848} \end{array}$$

----

33 ← remainder

$$3881 \div 41 = 94 \text{ remainder } 27$$

$$\begin{array}{r} 94 \\ 41 \overline{) 3881} \\ \underline{3854} \end{array}$$

----

27 ← remainder

$$3881 \div 43 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 43 \overline{) 3881} \\ \underline{3870} \end{array}$$

----

11 ← remainder

$$3881 \div 47 = 82 \text{ remainder } 27$$

$$\begin{array}{r} 82 \\ 47 \overline{) 3881} \\ \underline{3854} \end{array}$$

----

27 ← remainder

$$3881 \div 53 = 73 \text{ remainder } 12$$

$$\begin{array}{r} 73 \\ 53 \overline{) 3881} \\ \underline{3869} \end{array}$$

----

12 ← remainder



$$3881 \div 59 = 65 \text{ remainder } 46$$

$$\begin{array}{r} 65 \\ 59 \overline{) 3881} \\ \underline{3835} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$3881 \div 61 = 63 \text{ remainder } 38$$

$$\begin{array}{r} 63 \\ 61 \overline{) 3881} \\ \underline{3843} \\ 38 \end{array} \leftarrow \text{remainder}$$

## **P<sub>539</sub> 3889**

$$3889 \div 2 = 1944 \text{ remainder } 1$$

$$\begin{array}{r} 1944 \\ 2 \overline{) 3889} \\ \underline{3888} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 3 = 1296 \text{ remainder } 1$$

$$\begin{array}{r} 1296 \\ 3 \overline{) 3889} \\ \underline{3888} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 5 = 777 \text{ remainder } 4$$

$$\begin{array}{r} 777 \\ 5 \overline{) 3889} \\ \underline{3885} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 7 = 555 \text{ remainder } 4$$

$$\begin{array}{r} 555 \\ 7 \overline{) 3889} \\ \underline{3885} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 11 = 353 \text{ remainder } 6$$

$$\begin{array}{r} 353 \\ 11 \overline{) 3889} \\ \underline{3883} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 13 = 299 \text{ remainder } 2$$

$$\begin{array}{r} 299 \\ 13 \overline{) 3889} \\ \underline{3887} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 17 = 228 \text{ remainder } 13$$

$$\begin{array}{r} 228 \\ 17 \overline{) 3889} \\ \underline{3876} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 19 = 204 \text{ remainder } 13$$

$$\begin{array}{r} 204 \\ 19 \overline{) 3889} \\ \underline{3876} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 23 = 169 \text{ remainder } 2$$

$$\begin{array}{r} 169 \\ 23 \overline{) 3889} \\ \underline{3887} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 29 = 134 \text{ remainder } 3$$

$$\begin{array}{r} 134 \\ 29 \overline{) 3889} \\ \underline{3886} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 31 = 125 \text{ remainder } 14$$

$$\begin{array}{r} 125 \\ 31 \overline{) 3889} \end{array}$$

$$\begin{array}{r} 3875 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$3889 \div 37 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 37 \overline{) 3889} \\ \underline{3885} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3889 \div 41 = 94 \text{ remainder } 35$$

$$\begin{array}{r} 94 \\ 41 \overline{) 3889} \\ \underline{3854} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3889 \div 43 = 90 \text{ remainder } 19$$

$$\begin{array}{r} 90 \\ 43 \overline{) 3889} \\ \underline{3870} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3889 \div 47 = 82 \text{ remainder } 35$$

$$\begin{array}{r} 82 \\ 47 \overline{) 3889} \\ \underline{3854} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$3889 \div 53 = 73 \text{ remainder } 20$$

$$\begin{array}{r} 73 \\ 53 \overline{) 3889} \\ \underline{3869} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$3889 \div 59 = 65 \text{ remainder } 54$$

$$\begin{array}{r} 65 \\ 59 \overline{) 3889} \\ \underline{3835} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$3889 \div 61 = 63 \text{ remainder } 46$$

$$\begin{array}{r} 63 \\ 61 \overline{) 3889} \\ \underline{3843} \\ 46 \end{array} \leftarrow \text{remainder}$$

## **P<sub>540</sub> 3907**

$$3907 \div 2 = 1953 \text{ remainder } 1$$

$$\begin{array}{r} 1953 \\ 2 \overline{) 3907} \\ \underline{3906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 3 = 1302 \text{ remainder } 1$$

$$\begin{array}{r} 1302 \\ 3 \overline{) 3907} \\ \underline{3906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 5 = 781 \text{ remainder } 2$$

$$\begin{array}{r} 781 \\ 5 \overline{) 3907} \\ \underline{3905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 7 = 558 \text{ remainder } 1$$

$$\begin{array}{r} 558 \\ 7 \overline{) 3907} \\ \underline{3906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 11 = 355 \text{ remainder } 2$$

$$\begin{array}{r} 355 \\ 11 \overline{) 3907} \\ \underline{3905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 13 = 300 \text{ remainder } 7$$

$$\begin{array}{r} 300 \\ 13 \overline{) 3907} \\ \underline{3900} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 17 = 229 \text{ remainder } 14$$

$$\begin{array}{r} 229 \\ 17 \overline{) 3907} \\ \underline{3893} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 19 = 205 \text{ remainder } 12$$

$$\begin{array}{r} 205 \\ 19 \overline{) 3907} \\ \underline{3895} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 23 = 169 \text{ remainder } 20$$

$$\begin{array}{r} 169 \\ 23 \overline{) 3907} \\ \underline{3887} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 29 = 134 \text{ remainder } 21$$

$$\begin{array}{r} 134 \\ 29 \overline{) 3907} \\ \underline{3886} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 31 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 31 \overline{) 3907} \end{array}$$

3906

----

1 ← remainder

$3907 \div 37 = 105 \text{ remainder } 22$

105  
37 |  $\overline{3907}$   
3885

----

22 ← remainder

$3907 \div 41 = 95 \text{ remainder } 12$

95  
41 |  $\overline{3907}$   
3895

----

12 ← remainder

$3907 \div 43 = 90 \text{ remainder } 37$

90  
43 |  $\overline{3907}$   
3870

----

37 ← remainder

$3907 \div 47 = 83 \text{ remainder } 6$

83  
47 |  $\overline{3907}$   
3901

----

6 ← remainder

$3907 \div 53 = 73 \text{ remainder } 38$

73  
53 |  $\overline{3907}$   
3869

----

38 ← remainder



$$3907 \div 59 = 66 \text{ remainder } 13$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3907} \\ \underline{3894} \phantom{00} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3907 \div 61 = 64 \text{ remainder } 3$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3907} \\ \underline{3904} \phantom{00} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>541</sub> 3911**

$$3911 \div 2 = 1955 \text{ remainder } 1$$

$$\begin{array}{r} 1955 \\ 2 \overline{) 3911} \\ \underline{3910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 3 = 1303 \text{ remainder } 2$$

$$\begin{array}{r} 1303 \\ 3 \overline{) 3911} \\ \underline{3909} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 5 = 782 \text{ remainder } 1$$

$$\begin{array}{r} 782 \\ 5 \overline{) 3911} \\ \underline{3910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 7 = 558 \text{ remainder } 5$$

$$\begin{array}{r} 558 \\ 7 \overline{) 3911} \\ \underline{3906} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 11 = 355 \text{ remainder } 6$$

$$\begin{array}{r} 355 \\ 11 \overline{) 3911} \\ \underline{3905} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 13 = 300 \text{ remainder } 11$$

$$\begin{array}{r} 300 \\ 13 \overline{) 3911} \\ \underline{3900} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 17 = 230 \text{ remainder } 1$$

$$\begin{array}{r} 230 \\ 17 \overline{) 3911} \\ \underline{3910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 19 = 205 \text{ remainder } 16$$

$$\begin{array}{r} 205 \\ 19 \overline{) 3911} \\ \underline{3895} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 23 = 170 \text{ remainder } 1$$

$$\begin{array}{r} 170 \\ 23 \overline{) 3911} \\ \underline{3910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 29 = 134 \text{ remainder } 25$$

$$\begin{array}{r} 134 \\ 29 \overline{) 3911} \\ \underline{3886} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 31 = 126 \text{ remainder } 5$$

$$\begin{array}{r} 126 \\ 31 \overline{) 3911} \end{array}$$

3906

----

5 ← remainder

$$3911 \div 37 = 105 \text{ remainder } 26$$

$$\begin{array}{r} 105 \\ 37 \overline{) 3911} \\ \underline{3885} \end{array}$$

----

26 ← remainder

$$3911 \div 41 = 95 \text{ remainder } 16$$

$$\begin{array}{r} 95 \\ 41 \overline{) 3911} \\ \underline{3895} \end{array}$$

----

16 ← remainder

$$3911 \div 43 = 90 \text{ remainder } 41$$

$$\begin{array}{r} 90 \\ 43 \overline{) 3911} \\ \underline{3870} \end{array}$$

----

41 ← remainder

$$3911 \div 47 = 83 \text{ remainder } 10$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3911} \\ \underline{3901} \end{array}$$

----

10 ← remainder

$$3911 \div 53 = 73 \text{ remainder } 42$$

$$\begin{array}{r} 73 \\ 53 \overline{) 3911} \\ \underline{3869} \end{array}$$

----

42 ← remainder

$$3911 \div 59 = 66 \text{ remainder } 17$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3911} \\ \underline{3894} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3911 \div 61 = 64 \text{ remainder } 7$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3911} \\ \underline{3904} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>542</sub> 3917**

$$3917 \div 2 = 1958 \text{ remainder } 1$$

$$\begin{array}{r} 1958 \\ 2 \overline{) 3917} \\ \underline{3916} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 3 = 1305 \text{ remainder } 2$$

$$\begin{array}{r} 1305 \\ 3 \overline{) 3917} \\ \underline{3915} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 5 = 783 \text{ remainder } 2$$

$$\begin{array}{r} 783 \\ 5 \overline{) 3917} \\ \underline{3915} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 7 = 559 \text{ remainder } 4$$

$$\begin{array}{r} 559 \\ 7 \overline{) 3917} \\ \underline{3913} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 11 = 356 \text{ remainder } 1$$

$$\begin{array}{r} 356 \\ 11 \overline{) 3917} \\ \underline{3916} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 13 = 301 \text{ remainder } 4$$

$$\begin{array}{r} 301 \\ 13 \overline{) 3917} \\ \underline{3913} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 17 = 230 \text{ remainder } 7$$

$$\begin{array}{r} 230 \\ 17 \overline{) 3917} \\ \underline{3910} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 19 = 206 \text{ remainder } 3$$

$$\begin{array}{r} 206 \\ 19 \overline{) 3917} \\ \underline{3914} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 23 = 170 \text{ remainder } 7$$

$$\begin{array}{r} 170 \\ 23 \overline{) 3917} \\ \underline{3910} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 29 = 135 \text{ remainder } 2$$

$$\begin{array}{r} 135 \\ 29 \overline{) 3917} \\ \underline{3915} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 31 = 126 \text{ remainder } 11$$

$$\begin{array}{r} 126 \\ 31 \overline{) 3917} \end{array}$$

$$\begin{array}{r} 3906 \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3917 \div 37 = 105 \text{ remainder } 32$$

$$\begin{array}{r} 105 \\ 37 \overline{) 3917} \\ \underline{3885} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$3917 \div 41 = 95 \text{ remainder } 22$$

$$\begin{array}{r} 95 \\ 41 \overline{) 3917} \\ \underline{3895} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3917 \div 43 = 91 \text{ remainder } 4$$

$$\begin{array}{r} 91 \\ 43 \overline{) 3917} \\ \underline{3913} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$3917 \div 47 = 83 \text{ remainder } 16$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3917} \\ \underline{3901} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3917 \div 53 = 73 \text{ remainder } 48$$

$$\begin{array}{r} 73 \\ 53 \overline{) 3917} \\ \underline{3869} \\ 48 \leftarrow \text{remainder} \end{array}$$



$$3917 \div 59 = 66 \text{ remainder } 23$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3917} \\ \underline{3894} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$3917 \div 61 = 64 \text{ remainder } 13$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3917} \\ \underline{3904} \\ 13 \end{array} \leftarrow \text{remainder}$$

## **P<sub>543</sub> 3919**

$$3919 \div 2 = 1959 \text{ remainder } 1$$

$$\begin{array}{r} 1959 \\ 2 \overline{) 3919} \\ \underline{3918} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 3 = 1306 \text{ remainder } 1$$

$$\begin{array}{r} 1306 \\ 3 \overline{) 3919} \\ \underline{3918} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 5 = 783 \text{ remainder } 4$$

$$\begin{array}{r} 783 \\ 5 \overline{) 3919} \\ \underline{3915} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 7 = 559 \text{ remainder } 6$$

$$\begin{array}{r} 559 \\ 7 \overline{) 3919} \\ \underline{3913} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 11 = 356 \text{ remainder } 3$$

$$\begin{array}{r} 356 \\ 11 \overline{) 3919} \\ \underline{3916} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 13 = 301 \text{ remainder } 6$$

$$\begin{array}{r} 301 \\ 13 \overline{) 3919} \\ \underline{3913} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 17 = 230 \text{ remainder } 9$$

$$\begin{array}{r} 230 \\ 17 \overline{) 3919} \\ \underline{3910} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 19 = 206 \text{ remainder } 5$$

$$\begin{array}{r} 206 \\ 19 \overline{) 3919} \\ \underline{3914} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 23 = 170 \text{ remainder } 9$$

$$\begin{array}{r} 170 \\ 23 \overline{) 3919} \\ \underline{3910} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 29 = 135 \text{ remainder } 4$$

$$\begin{array}{r} 135 \\ 29 \overline{) 3919} \\ \underline{3915} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 31 = 126 \text{ remainder } 13$$

$$\begin{array}{r} 126 \\ 31 \overline{) 3919} \end{array}$$

$$\begin{array}{r} 3906 \\ ---- \\ 13 \leftarrow \text{remainder} \end{array}$$

$$3919 \div 37 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 37 \overline{) 3919} \\ \underline{3885} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3919 \div 41 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 41 \overline{) 3919} \\ \underline{3895} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$3919 \div 43 = 91 \text{ remainder } 6$$

$$\begin{array}{r} 91 \\ 43 \overline{) 3919} \\ \underline{3913} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3919 \div 47 = 83 \text{ remainder } 18$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3919} \\ \underline{3901} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3919 \div 53 = 73 \text{ remainder } 50$$

$$\begin{array}{r} 73 \\ 53 \overline{) 3919} \\ \underline{3869} \\ 50 \leftarrow \text{remainder} \end{array}$$

$$3919 \div 59 = 66 \text{ remainder } 25$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3919} \\ \underline{3894} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$3919 \div 61 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3919} \\ \underline{3904} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>544</sub> 3923**

$$3923 \div 2 = 1961 \text{ remainder } 1$$

$$\begin{array}{r} 1961 \\ 2 \overline{) 3923} \\ \underline{3922} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 3 = 1307 \text{ remainder } 2$$

$$\begin{array}{r} 1307 \\ 3 \overline{) 3923} \\ \underline{3921} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 5 = 784 \text{ remainder } 3$$

$$\begin{array}{r} 784 \\ 5 \overline{) 3923} \\ \underline{3920} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 7 = 560 \text{ remainder } 3$$

$$\begin{array}{r} 560 \\ 7 \overline{) 3923} \\ \underline{3920} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 11 = 356 \text{ remainder } 7$$

$$\begin{array}{r} 356 \\ 11 \overline{) 3923} \\ \underline{3916} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 13 = 301 \text{ remainder } 10$$

$$\begin{array}{r} 301 \\ 13 \overline{) 3923} \\ \underline{3913} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 17 = 230 \text{ remainder } 13$$

$$\begin{array}{r} 230 \\ 17 \overline{) 3923} \\ \underline{3910} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 19 = 206 \text{ remainder } 9$$

$$\begin{array}{r} 206 \\ 19 \overline{) 3923} \\ \underline{3914} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 23 = 170 \text{ remainder } 13$$

$$\begin{array}{r} 170 \\ 23 \overline{) 3923} \\ \underline{3910} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 29 = 135 \text{ remainder } 8$$

$$\begin{array}{r} 135 \\ 29 \overline{) 3923} \\ \underline{3915} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 31 = 126 \text{ remainder } 17$$

$$\begin{array}{r} 126 \\ 31 \overline{) 3923} \end{array}$$

$$\begin{array}{r} 3906 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$3923 \div 37 = 106 \text{ remainder } 1$$

$$\begin{array}{r} 106 \\ 37 \overline{) 3923} \\ \underline{3922} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3923 \div 41 = 95 \text{ remainder } 28$$

$$\begin{array}{r} 95 \\ 41 \overline{) 3923} \\ \underline{3895} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3923 \div 43 = 91 \text{ remainder } 10$$

$$\begin{array}{r} 91 \\ 43 \overline{) 3923} \\ \underline{3913} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3923 \div 47 = 83 \text{ remainder } 22$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3923} \\ \underline{3901} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$3923 \div 53 = 74 \text{ remainder } 1$$

$$\begin{array}{r} 74 \\ 53 \overline{) 3923} \\ \underline{3922} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$



$$3923 \div 59 = 66 \text{ remainder } 29$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3923} \\ \underline{3894} \phantom{00} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$3923 \div 61 = 64 \text{ remainder } 19$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3923} \\ \underline{3904} \phantom{00} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>545</sub> 3929**

$$3929 \div 2 = 1964 \text{ remainder } 1$$

$$\begin{array}{r} 1964 \\ 2 \overline{) 3929} \\ \underline{3928} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 3 = 1309 \text{ remainder } 2$$

$$\begin{array}{r} 1309 \\ 3 \overline{) 3929} \\ \underline{3927} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 5 = 785 \text{ remainder } 4$$

$$\begin{array}{r} 785 \\ 5 \overline{) 3929} \\ \underline{3925} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 7 = 561 \text{ remainder } 2$$

$$\begin{array}{r} 561 \\ 7 \overline{) 3929} \\ \underline{3927} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 11 = 357 \text{ remainder } 2$$

$$\begin{array}{r} 357 \\ 11 \overline{) 3929} \\ \underline{3927} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 13 = 302 \text{ remainder } 3$$

$$\begin{array}{r} 302 \\ 13 \overline{) 3929} \\ \underline{3926} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 17 = 231 \text{ remainder } 2$$

$$\begin{array}{r} 231 \\ 17 \overline{) 3929} \\ \underline{3927} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 19 = 206 \text{ remainder } 15$$

$$\begin{array}{r} 206 \\ 19 \overline{) 3929} \\ \underline{3914} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 23 = 170 \text{ remainder } 19$$

$$\begin{array}{r} 170 \\ 23 \overline{) 3929} \\ \underline{3910} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 29 = 135 \text{ remainder } 14$$

$$\begin{array}{r} 135 \\ 29 \overline{) 3929} \\ \underline{3915} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 31 = 126 \text{ remainder } 23$$

$$\begin{array}{r} 126 \\ 31 \overline{) 3929} \end{array}$$

$$\begin{array}{r} 3906 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$3929 \div 37 = 106 \text{ remainder } 7$$

$$\begin{array}{r} 106 \\ 37 \overline{) 3929} \\ \underline{3922} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3929 \div 41 = 95 \text{ remainder } 34$$

$$\begin{array}{r} 95 \\ 41 \overline{) 3929} \\ \underline{3895} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3929 \div 43 = 91 \text{ remainder } 16$$

$$\begin{array}{r} 91 \\ 43 \overline{) 3929} \\ \underline{3913} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$3929 \div 47 = 83 \text{ remainder } 28$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3929} \\ \underline{3901} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$3929 \div 53 = 74 \text{ remainder } 7$$

$$\begin{array}{r} 74 \\ 53 \overline{) 3929} \\ \underline{3922} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3929 \div 59 = 66 \text{ remainder } 35$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3929} \\ \underline{3894} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$3929 \div 61 = 64 \text{ remainder } 25$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3929} \\ \underline{3904} \\ 25 \end{array} \leftarrow \text{remainder}$$

## **P<sub>546</sub> 3931**

$$3931 \div 2 = 1965 \text{ remainder } 1$$

$$\begin{array}{r} 1965 \\ 2 \overline{) 3931} \\ \underline{3930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 3 = 1310 \text{ remainder } 1$$

$$\begin{array}{r} 1310 \\ 3 \overline{) 3931} \\ \underline{3930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 5 = 786 \text{ remainder } 1$$

$$\begin{array}{r} 786 \\ 5 \overline{) 3931} \\ \underline{3930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 7 = 561 \text{ remainder } 4$$

$$\begin{array}{r} 561 \\ 7 \overline{) 3931} \\ \underline{3927} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 11 = 357 \text{ remainder } 4$$

$$\begin{array}{r} 357 \\ 11 \overline{) 3931} \\ \underline{3927} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 13 = 302 \text{ remainder } 5$$

$$\begin{array}{r} 302 \\ 13 \overline{) 3931} \\ \underline{3926} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 17 = 231 \text{ remainder } 4$$

$$\begin{array}{r} 231 \\ 17 \overline{) 3931} \\ \underline{3927} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 19 = 206 \text{ remainder } 17$$

$$\begin{array}{r} 206 \\ 19 \overline{) 3931} \\ \underline{3914} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 23 = 170 \text{ remainder } 21$$

$$\begin{array}{r} 170 \\ 23 \overline{) 3931} \\ \underline{3910} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 29 = 135 \text{ remainder } 16$$

$$\begin{array}{r} 135 \\ 29 \overline{) 3931} \\ \underline{3915} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 31 = 126 \text{ remainder } 25$$

$$\begin{array}{r} 126 \\ 31 \overline{) 3931} \end{array}$$

$$\begin{array}{r} 3906 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3931 \div 37 = 106 \text{ remainder } 9$$

$$\begin{array}{r} 106 \\ 37 \overline{) 3931} \\ \underline{3922} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$3931 \div 41 = 95 \text{ remainder } 36$$

$$\begin{array}{r} 95 \\ 41 \overline{) 3931} \\ \underline{3895} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$3931 \div 43 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 43 \overline{) 3931} \\ \underline{3913} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$3931 \div 47 = 83 \text{ remainder } 30$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3931} \\ \underline{3901} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3931 \div 53 = 74 \text{ remainder } 9$$

$$\begin{array}{r} 74 \\ 53 \overline{) 3931} \\ \underline{3922} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$



$$3931 \div 59 = 66 \text{ remainder } 37$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3931} \\ \underline{3894} \phantom{00} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$3931 \div 61 = 64 \text{ remainder } 27$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3931} \\ \underline{3904} \phantom{00} \\ 27 \end{array} \leftarrow \text{remainder}$$

## **P<sub>547</sub> 3943**

$$3943 \div 2 = 1971 \text{ remainder } 1$$

$$\begin{array}{r} 1971 \\ 2 \overline{) 3943} \\ \underline{3942} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 3 = 1314 \text{ remainder } 1$$

$$\begin{array}{r} 1314 \\ 3 \overline{) 3943} \\ \underline{3942} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 5 = 788 \text{ remainder } 3$$

$$\begin{array}{r} 788 \\ 5 \overline{) 3943} \\ \underline{3940} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 7 = 563 \text{ remainder } 2$$

$$\begin{array}{r} 563 \\ 7 \overline{) 3943} \\ \underline{3941} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 11 = 358 \text{ remainder } 5$$

$$\begin{array}{r} 358 \\ 11 \overline{) 3943} \\ \underline{3938} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 13 = 303 \text{ remainder } 4$$

$$\begin{array}{r} 303 \\ 13 \overline{) 3943} \\ \underline{3939} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 17 = 231 \text{ remainder } 16$$

$$\begin{array}{r} 231 \\ 17 \overline{) 3943} \\ \underline{3927} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 19 = 207 \text{ remainder } 10$$

$$\begin{array}{r} 207 \\ 19 \overline{) 3943} \\ \underline{3933} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 23 = 171 \text{ remainder } 10$$

$$\begin{array}{r} 171 \\ 23 \overline{) 3943} \\ \underline{3933} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 29 = 135 \text{ remainder } 28$$

$$\begin{array}{r} 135 \\ 29 \overline{) 3943} \\ \underline{3915} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 31 = 127 \text{ remainder } 6$$

$$\begin{array}{r} 127 \\ 31 \overline{) 3943} \end{array}$$

$$\begin{array}{r} 3937 \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$3943 \div 37 = 106 \text{ remainder } 21$$

$$\begin{array}{r} 106 \\ 37 \overline{) 3943} \\ \underline{3922} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3943 \div 41 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 41 \overline{) 3943} \\ \underline{3936} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$3943 \div 43 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 43 \overline{) 3943} \\ \underline{3913} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3943 \div 47 = 83 \text{ remainder } 42$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3943} \\ \underline{3901} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$3943 \div 53 = 74 \text{ remainder } 21$$

$$\begin{array}{r} 74 \\ 53 \overline{) 3943} \\ \underline{3922} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$3943 \div 59 = 66 \text{ remainder } 49$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3943} \\ \underline{3894} \phantom{00} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$3943 \div 61 = 64 \text{ remainder } 39$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3943} \\ \underline{3904} \phantom{00} \\ 39 \end{array} \leftarrow \text{remainder}$$

## **P<sub>548</sub> 3947**

$$3947 \div 2 = 1973 \text{ remainder } 1$$

$$\begin{array}{r} 1973 \\ 2 \overline{) 3947} \\ \underline{3946} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 3 = 1315 \text{ remainder } 2$$

$$\begin{array}{r} 1315 \\ 3 \overline{) 3947} \\ \underline{3945} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 5 = 789 \text{ remainder } 2$$

$$\begin{array}{r} 789 \\ 5 \overline{) 3947} \\ \underline{3945} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 7 = 563 \text{ remainder } 6$$

$$\begin{array}{r} 563 \\ 7 \overline{) 3947} \\ \underline{3941} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 11 = 358 \text{ remainder } 9$$

$$\begin{array}{r} 358 \\ 11 \overline{) 3947} \\ \underline{3938} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 13 = 303 \text{ remainder } 8$$

$$\begin{array}{r} 303 \\ 13 \overline{) 3947} \\ \underline{3939} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 17 = 232 \text{ remainder } 3$$

$$\begin{array}{r} 232 \\ 17 \overline{) 3947} \\ \underline{3944} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 19 = 207 \text{ remainder } 14$$

$$\begin{array}{r} 207 \\ 19 \overline{) 3947} \\ \underline{3933} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 23 = 171 \text{ remainder } 14$$

$$\begin{array}{r} 171 \\ 23 \overline{) 3947} \\ \underline{3933} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 29 = 136 \text{ remainder } 3$$

$$\begin{array}{r} 136 \\ 29 \overline{) 3947} \\ \underline{3944} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$3947 \div 31 = 127 \text{ remainder } 10$$

$$\begin{array}{r} 127 \\ 31 \overline{) 3947} \end{array}$$

$$\begin{array}{r} 3937 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$3947 \div 37 = 106 \text{ remainder } 25$$

$$\begin{array}{r} 106 \\ 37 \overline{) 3947} \\ \underline{3922} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$3947 \div 41 = 96 \text{ remainder } 11$$

$$\begin{array}{r} 96 \\ 41 \overline{) 3947} \\ \underline{3936} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3947 \div 43 = 91 \text{ remainder } 34$$

$$\begin{array}{r} 91 \\ 43 \overline{) 3947} \\ \underline{3913} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$3947 \div 47 = 83 \text{ remainder } 46$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3947} \\ \underline{3901} \\ \text{----} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$3947 \div 53 = 74 \text{ remainder } 25$$

$$\begin{array}{r} 74 \\ 53 \overline{) 3947} \\ \underline{3922} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$



$$3947 \div 59 = 66 \text{ remainder } 53$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3947} \\ \underline{3894} \phantom{00} \\ 53 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$3947 \div 61 = 64 \text{ remainder } 43$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3947} \\ \underline{3904} \phantom{00} \\ 43 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>549</sub> 3967**

$$3967 \div 2 = 1983 \text{ remainder } 1$$

$$\begin{array}{r} 1983 \\ 2 \overline{) 3967} \\ \underline{3966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 3 = 1322 \text{ remainder } 1$$

$$\begin{array}{r} 1322 \\ 3 \overline{) 3967} \\ \underline{3966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 5 = 793 \text{ remainder } 2$$

$$\begin{array}{r} 793 \\ 5 \overline{) 3967} \\ \underline{3965} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 7 = 566 \text{ remainder } 5$$

$$\begin{array}{r} 566 \\ 7 \overline{) 3967} \\ \underline{3962} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 11 = 360 \text{ remainder } 7$$

$$\begin{array}{r} 360 \\ 11 \overline{) 3967} \\ \underline{3960} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 13 = 305 \text{ remainder } 2$$

$$\begin{array}{r} 305 \\ 13 \overline{) 3967} \\ \underline{3965} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 17 = 233 \text{ remainder } 6$$

$$\begin{array}{r} 233 \\ 17 \overline{) 3967} \\ \underline{3961} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 19 = 208 \text{ remainder } 15$$

$$\begin{array}{r} 208 \\ 19 \overline{) 3967} \\ \underline{3952} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 23 = 172 \text{ remainder } 11$$

$$\begin{array}{r} 172 \\ 23 \overline{) 3967} \\ \underline{3956} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 29 = 136 \text{ remainder } 23$$

$$\begin{array}{r} 136 \\ 29 \overline{) 3967} \\ \underline{3944} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 31 = 127 \text{ remainder } 30$$

$$\begin{array}{r} 127 \\ 31 \overline{) 3967} \end{array}$$

$$\begin{array}{r} 3937 \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$3967 \div 37 = 107 \text{ remainder } 8$$

$$\begin{array}{r} 107 \\ 37 \overline{) 3967} \\ \underline{3959} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$3967 \div 41 = 96 \text{ remainder } 31$$

$$\begin{array}{r} 96 \\ 41 \overline{) 3967} \\ \underline{3936} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$3967 \div 43 = 92 \text{ remainder } 11$$

$$\begin{array}{r} 92 \\ 43 \overline{) 3967} \\ \underline{3956} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$3967 \div 47 = 84 \text{ remainder } 19$$

$$\begin{array}{r} 84 \\ 47 \overline{) 3967} \\ \underline{3948} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$3967 \div 53 = 74 \text{ remainder } 45$$

$$\begin{array}{r} 74 \\ 53 \overline{) 3967} \\ \underline{3922} \\ \text{----} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$3967 \div 59 = 67 \text{ remainder } 14$$

$$\begin{array}{r} 67 \\ 59 \overline{) 3967} \\ \underline{3953} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$3967 \div 61 = 65 \text{ remainder } 2$$

$$\begin{array}{r} 65 \\ 61 \overline{) 3967} \\ \underline{3965} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>550</sub> 3989**

$$3989 \div 2 = 1994 \text{ remainder } 1$$

$$\begin{array}{r} 1994 \\ 2 \overline{) 3989} \\ \underline{3988} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 3 = 1329 \text{ remainder } 2$$

$$\begin{array}{r} 1329 \\ 3 \overline{) 3989} \\ \underline{3987} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 5 = 797 \text{ remainder } 4$$

$$\begin{array}{r} 797 \\ 5 \overline{) 3989} \\ \underline{3985} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 7 = 569 \text{ remainder } 6$$

$$\begin{array}{r} 569 \\ 7 \overline{) 3989} \\ \underline{3983} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 11 = 362 \text{ remainder } 7$$

$$\begin{array}{r} 362 \\ 11 \overline{) 3989} \\ \underline{3982} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 13 = 306 \text{ remainder } 11$$

$$\begin{array}{r} 306 \\ 13 \overline{) 3989} \\ \underline{3978} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 17 = 234 \text{ remainder } 11$$

$$\begin{array}{r} 234 \\ 17 \overline{) 3989} \\ \underline{3978} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 19 = 209 \text{ remainder } 18$$

$$\begin{array}{r} 209 \\ 19 \overline{) 3989} \\ \underline{3971} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 23 = 173 \text{ remainder } 10$$

$$\begin{array}{r} 173 \\ 23 \overline{) 3989} \\ \underline{3979} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 29 = 137 \text{ remainder } 16$$

$$\begin{array}{r} 137 \\ 29 \overline{) 3989} \\ \underline{3973} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 31 = 128 \text{ remainder } 21$$

$$\begin{array}{r} 128 \\ 31 \overline{) 3989} \end{array}$$

3968

----

21 ← remainder

$$3989 \div 37 = 107 \text{ remainder } 30$$

$$\begin{array}{r} 107 \\ 37 \overline{) 3989} \\ \underline{3959} \end{array}$$

----

30 ← remainder

$$3989 \div 41 = 97 \text{ remainder } 12$$

$$\begin{array}{r} 97 \\ 41 \overline{) 3989} \\ \underline{3977} \end{array}$$

----

12 ← remainder

$$3989 \div 43 = 92 \text{ remainder } 33$$

$$\begin{array}{r} 92 \\ 43 \overline{) 3989} \\ \underline{3956} \end{array}$$

----

33 ← remainder

$$3989 \div 47 = 84 \text{ remainder } 41$$

$$\begin{array}{r} 84 \\ 47 \overline{) 3989} \\ \underline{3948} \end{array}$$

----

41 ← remainder

$$3989 \div 53 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 53 \overline{) 3989} \\ \underline{3975} \end{array}$$

----

14 ← remainder



$$3989 \div 59 = 67 \text{ remainder } 36$$

$$\begin{array}{r} 67 \\ 59 \overline{) 3989} \\ \underline{3953} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$3989 \div 61 = 65 \text{ remainder } 24$$

$$\begin{array}{r} 65 \\ 61 \overline{) 3989} \\ \underline{3965} \\ 24 \end{array} \leftarrow \text{remainder}$$

## **P<sub>551</sub> 4001**

$$4001 \div 2 = 2000 \text{ remainder } 1$$

$$\begin{array}{r} 2000 \\ 2 \overline{) 4001} \\ \underline{4000} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 3 = 1333 \text{ remainder } 2$$

$$\begin{array}{r} 1333 \\ 3 \overline{) 4001} \\ \underline{3999} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 5 = 800 \text{ remainder } 1$$

$$\begin{array}{r} 800 \\ 5 \overline{) 4001} \\ \underline{4000} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 7 = 571 \text{ remainder } 4$$

$$\begin{array}{r} 571 \\ 7 \overline{) 4001} \\ \underline{3997} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 11 = 363 \text{ remainder } 8$$

$$\begin{array}{r} 363 \\ 11 \overline{) 4001} \\ \underline{3993} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 13 = 307 \text{ remainder } 10$$

$$\begin{array}{r} 307 \\ 13 \overline{) 4001} \\ \underline{3991} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 17 = 235 \text{ remainder } 6$$

$$\begin{array}{r} 235 \\ 17 \overline{) 4001} \\ \underline{3995} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 19 = 210 \text{ remainder } 11$$

$$\begin{array}{r} 210 \\ 19 \overline{) 4001} \\ \underline{3990} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 23 = 173 \text{ remainder } 22$$

$$\begin{array}{r} 173 \\ 23 \overline{) 4001} \\ \underline{3979} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 29 = 137 \text{ remainder } 28$$

$$\begin{array}{r} 137 \\ 29 \overline{) 4001} \\ \underline{3973} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 31 = 129 \text{ remainder } 2$$

$$\begin{array}{r} 129 \\ 31 \overline{) 4001} \end{array}$$

$$\begin{array}{r} 3999 \\ ---- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4001 \div 37 = 108 \text{ remainder } 5$$

$$\begin{array}{r} 108 \\ 37 \overline{) 4001} \\ \underline{3996} \\ ---- \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4001 \div 41 = 97 \text{ remainder } 24$$

$$\begin{array}{r} 97 \\ 41 \overline{) 4001} \\ \underline{3977} \\ ---- \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4001 \div 43 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4001} \\ \underline{3999} \\ ---- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4001 \div 47 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4001} \\ \underline{3995} \\ ---- \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4001 \div 53 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4001} \\ \underline{3975} \\ ---- \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4001 \div 59 = 67 \text{ remainder } 48$$

$$\begin{array}{r} 67 \\ 59 \overline{) 4001} \\ \underline{3953} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$4001 \div 61 = 65 \text{ remainder } 36$$

$$\begin{array}{r} 65 \\ 61 \overline{) 4001} \\ \underline{3965} \\ 36 \end{array} \leftarrow \text{remainder}$$

## **P<sub>552</sub> 4003**

$$4003 \div 2 = 2001 \text{ remainder } 1$$

$$\begin{array}{r} 2001 \\ 2 \overline{) 4003} \\ \underline{4002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 3 = 1334 \text{ remainder } 1$$

$$\begin{array}{r} 1334 \\ 3 \overline{) 4003} \\ \underline{4002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 5 = 800 \text{ remainder } 3$$

$$\begin{array}{r} 800 \\ 5 \overline{) 4003} \\ \underline{4000} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 7 = 571 \text{ remainder } 6$$

$$\begin{array}{r} 571 \\ 7 \overline{) 4003} \\ \underline{3997} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 11 = 363 \text{ remainder } 10$$

$$\begin{array}{r} 363 \\ 11 \overline{) 4003} \\ \underline{3993} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 13 = 307 \text{ remainder } 12$$

$$\begin{array}{r} 307 \\ 13 \overline{) 4003} \\ \underline{3991} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 17 = 235 \text{ remainder } 8$$

$$\begin{array}{r} 235 \\ 17 \overline{) 4003} \\ \underline{3995} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 19 = 210 \text{ remainder } 13$$

$$\begin{array}{r} 210 \\ 19 \overline{) 4003} \\ \underline{3990} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 23 = 174 \text{ remainder } 1$$

$$\begin{array}{r} 174 \\ 23 \overline{) 4003} \\ \underline{4002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 29 = 138 \text{ remainder } 1$$

$$\begin{array}{r} 138 \\ 29 \overline{) 4003} \\ \underline{4002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 31 = 129 \text{ remainder } 4$$

$$\begin{array}{r} 129 \\ 31 \overline{) 4003} \end{array}$$

$$\begin{array}{r} 3999 \\ ---- \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4003 \div 37 = 108 \text{ remainder } 7$$

$$\begin{array}{r} 108 \\ 37 \overline{) 4003} \\ \underline{3996} \\ ---- \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4003 \div 41 = 97 \text{ remainder } 26$$

$$\begin{array}{r} 97 \\ 41 \overline{) 4003} \\ \underline{3977} \\ ---- \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4003 \div 43 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4003} \\ \underline{3999} \\ ---- \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4003 \div 47 = 85 \text{ remainder } 8$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4003} \\ \underline{3995} \\ ---- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4003 \div 53 = 75 \text{ remainder } 28$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4003} \\ \underline{3975} \\ ---- \\ 28 \leftarrow \text{remainder} \end{array}$$



$$4003 \div 59 = 67 \text{ remainder } 50$$

$$\begin{array}{r} 67 \\ 59 \overline{) 4003} \\ \underline{3953} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$4003 \div 61 = 65 \text{ remainder } 38$$

$$\begin{array}{r} 65 \\ 61 \overline{) 4003} \\ \underline{3965} \\ 38 \end{array} \leftarrow \text{remainder}$$

## **P<sub>553</sub> 4007**

$$4007 \div 2 = 2003 \text{ remainder } 1$$

$$\begin{array}{r} 2003 \\ 2 \overline{) 4007} \\ \underline{4006} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 3 = 1335 \text{ remainder } 2$$

$$\begin{array}{r} 1335 \\ 3 \overline{) 4007} \\ \underline{4005} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 5 = 801 \text{ remainder } 2$$

$$\begin{array}{r} 801 \\ 5 \overline{) 4007} \\ \underline{4005} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 7 = 572 \text{ remainder } 3$$

$$\begin{array}{r} 572 \\ 7 \overline{) 4007} \\ \underline{4004} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 11 = 364 \text{ remainder } 3$$

$$\begin{array}{r} 364 \\ 11 \overline{) 4007} \\ \underline{4004} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 13 = 308 \text{ remainder } 3$$

$$\begin{array}{r} 308 \\ 13 \overline{) 4007} \\ \underline{4004} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 17 = 235 \text{ remainder } 12$$

$$\begin{array}{r} 235 \\ 17 \overline{) 4007} \\ \underline{3995} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 19 = 210 \text{ remainder } 17$$

$$\begin{array}{r} 210 \\ 19 \overline{) 4007} \\ \underline{3990} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 23 = 174 \text{ remainder } 5$$

$$\begin{array}{r} 174 \\ 23 \overline{) 4007} \\ \underline{4002} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 29 = 138 \text{ remainder } 5$$

$$\begin{array}{r} 138 \\ 29 \overline{) 4007} \\ \underline{4002} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 31 = 129 \text{ remainder } 8$$

$$\begin{array}{r} 129 \\ 31 \overline{) 4007} \end{array}$$

$$\begin{array}{r} 3999 \\ ---- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4007 \div 37 = 108 \text{ remainder } 11$$

$$\begin{array}{r} 108 \\ 37 \overline{) 4007} \\ \underline{3996} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4007 \div 41 = 97 \text{ remainder } 30$$

$$\begin{array}{r} 97 \\ 41 \overline{) 4007} \\ \underline{3977} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4007 \div 43 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4007} \\ \underline{3999} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4007 \div 47 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4007} \\ \underline{3995} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4007 \div 53 = 75 \text{ remainder } 32$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4007} \\ \underline{3975} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4007 \div 59 = 67 \text{ remainder } 54$$

$$\begin{array}{r} 67 \\ 59 \overline{) 4007} \\ \underline{3953} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$4007 \div 61 = 65 \text{ remainder } 42$$

$$\begin{array}{r} 65 \\ 61 \overline{) 4007} \\ \underline{3965} \\ 42 \end{array} \leftarrow \text{remainder}$$

## **P<sub>554</sub> 4013**

$$4013 \div 2 = 2006 \text{ remainder } 1$$

$$\begin{array}{r} 2006 \\ 2 \overline{) 4013} \\ \underline{4012} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 3 = 1337 \text{ remainder } 2$$

$$\begin{array}{r} 1337 \\ 3 \overline{) 4013} \\ \underline{4011} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 5 = 802 \text{ remainder } 3$$

$$\begin{array}{r} 802 \\ 5 \overline{) 4013} \\ \underline{4010} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 7 = 573 \text{ remainder } 2$$

$$\begin{array}{r} 573 \\ 7 \overline{) 4013} \\ \underline{4011} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 11 = 364 \text{ remainder } 9$$

$$\begin{array}{r} 364 \\ 11 \overline{) 4013} \\ \underline{4004} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 13 = 308 \text{ remainder } 9$$

$$\begin{array}{r} 308 \\ 13 \overline{) 4013} \\ \underline{4004} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 17 = 236 \text{ remainder } 1$$

$$\begin{array}{r} 236 \\ 17 \overline{) 4013} \\ \underline{4012} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 19 = 211 \text{ remainder } 4$$

$$\begin{array}{r} 211 \\ 19 \overline{) 4013} \\ \underline{4009} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 23 = 174 \text{ remainder } 11$$

$$\begin{array}{r} 174 \\ 23 \overline{) 4013} \\ \underline{4002} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 29 = 138 \text{ remainder } 11$$

$$\begin{array}{r} 138 \\ 29 \overline{) 4013} \\ \underline{4002} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 31 = 129 \text{ remainder } 14$$

$$\begin{array}{r} 129 \\ 31 \overline{) 4013} \end{array}$$

$$\begin{array}{r} 3999 \\ ---- \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4013 \div 37 = 108 \text{ remainder } 17$$

$$\begin{array}{r} 108 \\ 37 \overline{) 4013} \\ \underline{3996} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4013 \div 41 = 97 \text{ remainder } 36$$

$$\begin{array}{r} 97 \\ 41 \overline{) 4013} \\ \underline{3977} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4013 \div 43 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4013} \\ \underline{3999} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4013 \div 47 = 85 \text{ remainder } 18$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4013} \\ \underline{3995} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4013 \div 53 = 75 \text{ remainder } 38$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4013} \\ \underline{3975} \\ 38 \leftarrow \text{remainder} \end{array}$$



$$4013 \div 59 = 68 \text{ remainder } 1$$

$$\begin{array}{r} 68 \\ 59 \overline{) 4013} \\ \underline{4012} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4013 \div 61 = 65 \text{ remainder } 48$$

$$\begin{array}{r} 65 \\ 61 \overline{) 4013} \\ \underline{3965} \\ 48 \end{array} \leftarrow \text{remainder}$$

## **P<sub>555</sub> 4019**

$$4019 \div 2 = 2009 \text{ remainder } 1$$

$$\begin{array}{r} 2009 \\ 2 \overline{) 4019} \\ \underline{4018} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4019 \div 3 = 1339 \text{ remainder } 2$$

$$\begin{array}{r} 1339 \\ 3 \overline{) 4019} \\ \underline{4017} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4019 \div 5 = 803 \text{ remainder } 4$$

$$\begin{array}{r} 803 \\ 5 \overline{) 4019} \\ \underline{4015} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4019 \div 7 = 574 \text{ remainder } 1$$

$$\begin{array}{r} 574 \\ 7 \overline{) 4019} \\ \underline{4018} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4019 \div 11 = 365 \text{ remainder } 4$$

$$\begin{array}{r} 365 \\ 11 \overline{) 4019} \\ \underline{4015} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4019 \div 13 = 309 \text{ remainder } 2$$

$$\begin{array}{r} 309 \\ 13 \overline{) 4019} \\ \underline{4017} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4019 \div 17 = 236 \text{ remainder } 7$$

$$\begin{array}{r} 236 \\ 17 \overline{) 4019} \\ \underline{4012} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4019 \div 19 = 211 \text{ remainder } 10$$

$$\begin{array}{r} 211 \\ 19 \overline{) 4019} \\ \underline{4009} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4019 \div 23 = 174 \text{ remainder } 17$$

$$\begin{array}{r} 174 \\ 23 \overline{) 4019} \\ \underline{4002} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4019 \div 29 = 138 \text{ remainder } 17$$

$$\begin{array}{r} 138 \\ 29 \overline{) 4019} \\ \underline{4002} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4019 \div 31 = 129 \text{ remainder } 20$$

$$\begin{array}{r} 129 \\ 31 \overline{) 4019} \end{array}$$

$$\begin{array}{r} 3999 \\ ---- \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4019 \div 37 = 108 \text{ remainder } 23$$

$$\begin{array}{r} 108 \\ 37 \overline{) 4019} \\ \underline{3996} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4019 \div 41 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 41 \overline{) 4019} \\ \underline{4018} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4019 \div 43 = 93 \text{ remainder } 20$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4019} \\ \underline{3999} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4019 \div 47 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4019} \\ \underline{3995} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4019 \div 53 = 75 \text{ remainder } 44$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4019} \\ \underline{3975} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$4019 \div 59 = 68 \text{ remainder } 7$$

$$\begin{array}{r} 68 \\ 59 \overline{) 4019} \\ \underline{4012} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4019 \div 61 = 65 \text{ remainder } 54$$

$$\begin{array}{r} 65 \\ 61 \overline{) 4019} \\ \underline{3965} \phantom{00} \\ 54 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>556</sub> 4021**

$$4021 \div 2 = 2010 \text{ remainder } 1$$

$$\begin{array}{r} 2010 \\ 2 \overline{) 4021} \\ \underline{4020} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 3 = 1340 \text{ remainder } 1$$

$$\begin{array}{r} 1340 \\ 3 \overline{) 4021} \\ \underline{4020} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 5 = 804 \text{ remainder } 1$$

$$\begin{array}{r} 804 \\ 5 \overline{) 4021} \\ \underline{4020} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 7 = 574 \text{ remainder } 3$$

$$\begin{array}{r} 574 \\ 7 \overline{) 4021} \\ \underline{4018} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 11 = 365 \text{ remainder } 6$$

$$\begin{array}{r} 365 \\ 11 \overline{) 4021} \\ \underline{4015} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 13 = 309 \text{ remainder } 4$$

$$\begin{array}{r} 309 \\ 13 \overline{) 4021} \\ \underline{4017} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 17 = 236 \text{ remainder } 9$$

$$\begin{array}{r} 236 \\ 17 \overline{) 4021} \\ \underline{4012} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 19 = 211 \text{ remainder } 12$$

$$\begin{array}{r} 211 \\ 19 \overline{) 4021} \\ \underline{4009} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 23 = 174 \text{ remainder } 19$$

$$\begin{array}{r} 174 \\ 23 \overline{) 4021} \\ \underline{4002} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 29 = 138 \text{ remainder } 19$$

$$\begin{array}{r} 138 \\ 29 \overline{) 4021} \\ \underline{4002} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$4021 \div 31 = 129 \text{ remainder } 22$$

$$\begin{array}{r} 129 \\ 31 \overline{) 4021} \end{array}$$

$$\begin{array}{r} 3999 \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4021 \div 37 = 108 \text{ remainder } 25$$

$$\begin{array}{r} 108 \\ 37 \overline{) 4021} \\ \underline{3996} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4021 \div 41 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 41 \overline{) 4021} \\ \underline{4018} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4021 \div 43 = 93 \text{ remainder } 22$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4021} \\ \underline{3999} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4021 \div 47 = 85 \text{ remainder } 26$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4021} \\ \underline{3995} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4021 \div 53 = 75 \text{ remainder } 46$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4021} \\ \underline{3975} \\ 46 \leftarrow \text{remainder} \end{array}$$



$$4021 \div 59 = 68 \text{ remainder } 9$$

$$\begin{array}{r} 68 \\ 59 \overline{) 4021} \\ \underline{4012} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4021 \div 61 = 65 \text{ remainder } 56$$

$$\begin{array}{r} 65 \\ 61 \overline{) 4021} \\ \underline{3965} \phantom{00} \\ 56 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>557</sub> 4027**

$$4027 \div 2 = 2013 \text{ remainder } 1$$

$$\begin{array}{r} 2013 \\ 2 \overline{) 4027} \\ \underline{4026} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 3 = 1342 \text{ remainder } 1$$

$$\begin{array}{r} 1342 \\ 3 \overline{) 4027} \\ \underline{4026} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 5 = 805 \text{ remainder } 2$$

$$\begin{array}{r} 805 \\ 5 \overline{) 4027} \\ \underline{4025} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 7 = 575 \text{ remainder } 2$$

$$\begin{array}{r} 575 \\ 7 \overline{) 4027} \\ \underline{4025} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 11 = 366 \text{ remainder } 1$$

$$\begin{array}{r} 366 \\ 11 \overline{) 4027} \\ \underline{4026} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 13 = 309 \text{ remainder } 10$$

$$\begin{array}{r} 309 \\ 13 \overline{) 4027} \\ \underline{4017} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 17 = 236 \text{ remainder } 15$$

$$\begin{array}{r} 236 \\ 17 \overline{) 4027} \\ \underline{4012} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 19 = 211 \text{ remainder } 18$$

$$\begin{array}{r} 211 \\ 19 \overline{) 4027} \\ \underline{4009} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 23 = 175 \text{ remainder } 2$$

$$\begin{array}{r} 175 \\ 23 \overline{) 4027} \\ \underline{4025} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 29 = 138 \text{ remainder } 25$$

$$\begin{array}{r} 138 \\ 29 \overline{) 4027} \\ \underline{4002} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 31 = 129 \text{ remainder } 28$$

$$\begin{array}{r} 129 \\ 31 \overline{) 4027} \end{array}$$

$$\begin{array}{r} 3999 \\ ---- \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4027 \div 37 = 108 \text{ remainder } 31$$

$$\begin{array}{r} 108 \\ 37 \overline{) 4027} \\ \underline{3996} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4027 \div 41 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 41 \overline{) 4027} \\ \underline{4018} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4027 \div 43 = 93 \text{ remainder } 28$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4027} \\ \underline{3999} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4027 \div 47 = 85 \text{ remainder } 32$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4027} \\ \underline{3995} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4027 \div 53 = 75 \text{ remainder } 52$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4027} \\ \underline{3975} \\ 52 \leftarrow \text{remainder} \end{array}$$

$$4027 \div 59 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 59 \overline{) 4027} \\ \underline{4012} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4027 \div 61 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 61 \overline{) 4027} \\ \underline{4026} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>558</sub> 4049**

$$4049 \div 2 = 2024 \text{ remainder } 1$$

$$\begin{array}{r} 2024 \\ 2 \overline{) 4049} \\ \underline{4048} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 3 = 1349 \text{ remainder } 2$$

$$\begin{array}{r} 1349 \\ 3 \overline{) 4049} \\ \underline{4047} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 5 = 809 \text{ remainder } 4$$

$$\begin{array}{r} 809 \\ 5 \overline{) 4049} \\ \underline{4045} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 7 = 578 \text{ remainder } 3$$

$$\begin{array}{r} 578 \\ 7 \overline{) 4049} \\ \underline{4046} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 11 = 368 \text{ remainder } 1$$

$$\begin{array}{r} 368 \\ 11 \overline{) 4049} \\ \underline{4048} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 13 = 311 \text{ remainder } 6$$

$$\begin{array}{r} 311 \\ 13 \overline{) 4049} \\ \underline{4043} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 17 = 238 \text{ remainder } 3$$

$$\begin{array}{r} 238 \\ 17 \overline{) 4049} \\ \underline{4046} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 19 = 213 \text{ remainder } 2$$

$$\begin{array}{r} 213 \\ 19 \overline{) 4049} \\ \underline{4047} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 23 = 176 \text{ remainder } 1$$

$$\begin{array}{r} 176 \\ 23 \overline{) 4049} \\ \underline{4048} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 29 = 139 \text{ remainder } 18$$

$$\begin{array}{r} 139 \\ 29 \overline{) 4049} \\ \underline{4031} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 31 = 130 \text{ remainder } 19$$

$$\begin{array}{r} 130 \\ 31 \overline{) 4049} \end{array}$$

$$\begin{array}{r}
 4030 \\
 \text{----} \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$4049 \div 37 = 109 \text{ remainder } 16$$

$$\begin{array}{r}
 109 \\
 37 \overline{) 4049} \\
 \underline{4033} \phantom{00} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$4049 \div 41 = 98 \text{ remainder } 31$$

$$\begin{array}{r}
 98 \\
 41 \overline{) 4049} \\
 \underline{4018} \phantom{00} \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$4049 \div 43 = 94 \text{ remainder } 7$$

$$\begin{array}{r}
 94 \\
 43 \overline{) 4049} \\
 \underline{4042} \phantom{00} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$4049 \div 47 = 86 \text{ remainder } 7$$

$$\begin{array}{r}
 86 \\
 47 \overline{) 4049} \\
 \underline{4042} \phantom{00} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$4049 \div 53 = 76 \text{ remainder } 21$$

$$\begin{array}{r}
 76 \\
 53 \overline{) 4049} \\
 \underline{4028} \phantom{00} \\
 21 \leftarrow \text{remainder}
 \end{array}$$



$$4049 \div 59 = 68 \text{ remainder } 37$$

$$\begin{array}{r} 68 \\ 59 \overline{) 4049} \\ \underline{4012} \phantom{00} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$4049 \div 61 = 66 \text{ remainder } 23$$

$$\begin{array}{r} 66 \\ 61 \overline{) 4049} \\ \underline{4026} \phantom{00} \\ 23 \end{array} \leftarrow \text{remainder}$$

## **P<sub>559</sub> 4051**

$$4051 \div 2 = 2025 \text{ remainder } 1$$

$$\begin{array}{r} 2025 \\ 2 \overline{) 4051} \\ \underline{4050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4051 \div 3 = 1350 \text{ remainder } 1$$

$$\begin{array}{r} 1350 \\ 3 \overline{) 4051} \\ \underline{4050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4051 \div 5 = 810 \text{ remainder } 1$$

$$\begin{array}{r} 810 \\ 5 \overline{) 4051} \\ \underline{4050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4051 \div 7 = 578 \text{ remainder } 5$$

$$\begin{array}{r} 578 \\ 7 \overline{) 4051} \\ \underline{4046} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4051 \div 11 = 368 \text{ remainder } 3$$

$$\begin{array}{r} 368 \\ 11 \overline{) 4051} \\ \underline{4048} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4051 \div 13 = 311 \text{ remainder } 8$$

$$\begin{array}{r} 311 \\ 13 \overline{) 4051} \\ \underline{4043} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4051 \div 17 = 238 \text{ remainder } 5$$

$$\begin{array}{r} 238 \\ 17 \overline{) 4051} \\ \underline{4046} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4051 \div 19 = 213 \text{ remainder } 4$$

$$\begin{array}{r} 213 \\ 19 \overline{) 4051} \\ \underline{4047} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4051 \div 23 = 176 \text{ remainder } 3$$

$$\begin{array}{r} 176 \\ 23 \overline{) 4051} \\ \underline{4048} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4051 \div 29 = 139 \text{ remainder } 20$$

$$\begin{array}{r} 139 \\ 29 \overline{) 4051} \\ \underline{4031} \phantom{00} \\ 20 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4051 \div 31 = 130 \text{ remainder } 21$$

$$\begin{array}{r} 130 \\ 31 \overline{) 4051} \end{array}$$

$$\begin{array}{r} 4030 \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4051 \div 37 = 109 \text{ remainder } 18$$

$$\begin{array}{r} 109 \\ 37 \overline{) 4051} \\ \underline{4033} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4051 \div 41 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 41 \overline{) 4051} \\ \underline{4018} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4051 \div 43 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 43 \overline{) 4051} \\ \underline{4042} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4051 \div 47 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 47 \overline{) 4051} \\ \underline{4042} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4051 \div 53 = 76 \text{ remainder } 23$$

$$\begin{array}{r} 76 \\ 53 \overline{) 4051} \\ \underline{4028} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4051 \div 59 = 68 \text{ remainder } 39$$

$$\begin{array}{r} 68 \\ 59 \overline{) 4051} \\ \underline{4012} \phantom{00} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$4051 \div 61 = 66 \text{ remainder } 25$$

$$\begin{array}{r} 66 \\ 61 \overline{) 4051} \\ \underline{4026} \phantom{00} \\ 25 \end{array} \leftarrow \text{remainder}$$

## **P<sub>560</sub> 4057**

$$4057 \div 2 = 2028 \text{ remainder } 1$$

$$\begin{array}{r} 2028 \\ 2 \overline{) 4057} \\ \underline{4056} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 3 = 1352 \text{ remainder } 1$$

$$\begin{array}{r} 1352 \\ 3 \overline{) 4057} \\ \underline{4056} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 5 = 811 \text{ remainder } 2$$

$$\begin{array}{r} 811 \\ 5 \overline{) 4057} \\ \underline{4055} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 7 = 579 \text{ remainder } 4$$

$$\begin{array}{r} 579 \\ 7 \overline{) 4057} \\ \underline{4053} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 11 = 368 \text{ remainder } 9$$

$$\begin{array}{r} 368 \\ 11 \overline{) 4057} \\ \underline{4048} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 13 = 312 \text{ remainder } 1$$

$$\begin{array}{r} 312 \\ 13 \overline{) 4057} \\ \underline{4056} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 17 = 238 \text{ remainder } 11$$

$$\begin{array}{r} 238 \\ 17 \overline{) 4057} \\ \underline{4046} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 19 = 213 \text{ remainder } 10$$

$$\begin{array}{r} 213 \\ 19 \overline{) 4057} \\ \underline{4047} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 23 = 176 \text{ remainder } 9$$

$$\begin{array}{r} 176 \\ 23 \overline{) 4057} \\ \underline{4048} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 29 = 139 \text{ remainder } 26$$

$$\begin{array}{r} 139 \\ 29 \overline{) 4057} \\ \underline{4031} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 31 = 130 \text{ remainder } 27$$

$$\begin{array}{r} 130 \\ 31 \overline{) 4057} \end{array}$$

$$\begin{array}{r} 4030 \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4057 \div 37 = 109 \text{ remainder } 24$$

$$\begin{array}{r} 109 \\ 37 \overline{) 4057} \\ \underline{4033} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4057 \div 41 = 98 \text{ remainder } 39$$

$$\begin{array}{r} 98 \\ 41 \overline{) 4057} \\ \underline{4018} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$4057 \div 43 = 94 \text{ remainder } 15$$

$$\begin{array}{r} 94 \\ 43 \overline{) 4057} \\ \underline{4042} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$4057 \div 47 = 86 \text{ remainder } 15$$

$$\begin{array}{r} 86 \\ 47 \overline{) 4057} \\ \underline{4042} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$4057 \div 53 = 76 \text{ remainder } 29$$

$$\begin{array}{r} 76 \\ 53 \overline{) 4057} \\ \underline{4028} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$



$$4057 \div 59 = 68 \text{ remainder } 45$$

$$\begin{array}{r} 68 \\ 59 \overline{) 4057} \\ \underline{4012} \phantom{00} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$4057 \div 61 = 66 \text{ remainder } 31$$

$$\begin{array}{r} 66 \\ 61 \overline{) 4057} \\ \underline{4026} \phantom{00} \\ 31 \end{array} \leftarrow \text{remainder}$$

## **P<sub>561</sub> 4073**

$$4073 \div 2 = 2036 \text{ remainder } 1$$

$$\begin{array}{r} 2036 \\ 2 \overline{) 4073} \\ \underline{4072} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4073 \div 3 = 1357 \text{ remainder } 2$$

$$\begin{array}{r} 1357 \\ 3 \overline{) 4073} \\ \underline{4071} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4073 \div 5 = 814 \text{ remainder } 3$$

$$\begin{array}{r} 814 \\ 5 \overline{) 4073} \\ \underline{4070} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4073 \div 7 = 581 \text{ remainder } 6$$

$$\begin{array}{r} 581 \\ 7 \overline{) 4073} \\ \underline{4067} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4073 \div 11 = 370 \text{ remainder } 3$$

$$\begin{array}{r} 370 \\ 11 \overline{) 4073} \\ \underline{4070} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4073 \div 13 = 313 \text{ remainder } 4$$

$$\begin{array}{r} 313 \\ 13 \overline{) 4073} \\ \underline{4069} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4073 \div 17 = 239 \text{ remainder } 10$$

$$\begin{array}{r} 239 \\ 17 \overline{) 4073} \\ \underline{4063} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4073 \div 19 = 214 \text{ remainder } 7$$

$$\begin{array}{r} 214 \\ 19 \overline{) 4073} \\ \underline{4066} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4073 \div 23 = 177 \text{ remainder } 2$$

$$\begin{array}{r} 177 \\ 23 \overline{) 4073} \\ \underline{4071} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4073 \div 29 = 140 \text{ remainder } 13$$

$$\begin{array}{r} 140 \\ 29 \overline{) 4073} \\ \underline{4060} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4073 \div 31 = 131 \text{ remainder } 12$$

$$\begin{array}{r} 131 \\ 31 \overline{) 4073} \end{array}$$

$$\begin{array}{r} 4061 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4073 \div 37 = 110 \text{ remainder } 3$$

$$\begin{array}{r} 110 \\ 37 \overline{) 4073} \\ \underline{4070} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4073 \div 41 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 41 \overline{) 4073} \\ \underline{4059} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4073 \div 43 = 94 \text{ remainder } 31$$

$$\begin{array}{r} 94 \\ 43 \overline{) 4073} \\ \underline{4042} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4073 \div 47 = 86 \text{ remainder } 31$$

$$\begin{array}{r} 86 \\ 47 \overline{) 4073} \\ \underline{4042} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4073 \div 53 = 76 \text{ remainder } 45$$

$$\begin{array}{r} 76 \\ 53 \overline{) 4073} \\ \underline{4028} \\ \text{----} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$4073 \div 59 = 69 \text{ remainder } 2$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4073} \\ \underline{4071} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4073 \div 61 = 66 \text{ remainder } 47$$

$$\begin{array}{r} 66 \\ 61 \overline{) 4073} \\ \underline{4026} \phantom{00} \\ 47 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>562</sub> 4079**

$$4079 \div 2 = 2039 \text{ remainder } 1$$

$$\begin{array}{r} 2039 \\ 2 \overline{) 4079} \\ \underline{4078} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 3 = 1359 \text{ remainder } 2$$

$$\begin{array}{r} 1359 \\ 3 \overline{) 4079} \\ \underline{4077} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 5 = 815 \text{ remainder } 4$$

$$\begin{array}{r} 815 \\ 5 \overline{) 4079} \\ \underline{4075} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 7 = 582 \text{ remainder } 5$$

$$\begin{array}{r} 582 \\ 7 \overline{) 4079} \\ \underline{4074} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 11 = 370 \text{ remainder } 9$$

$$\begin{array}{r} 370 \\ 11 \overline{) 4079} \\ \underline{4070} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 13 = 313 \text{ remainder } 10$$

$$\begin{array}{r} 313 \\ 13 \overline{) 4079} \\ \underline{4069} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 17 = 239 \text{ remainder } 16$$

$$\begin{array}{r} 239 \\ 17 \overline{) 4079} \\ \underline{4063} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 19 = 214 \text{ remainder } 13$$

$$\begin{array}{r} 214 \\ 19 \overline{) 4079} \\ \underline{4066} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 23 = 177 \text{ remainder } 8$$

$$\begin{array}{r} 177 \\ 23 \overline{) 4079} \\ \underline{4071} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 29 = 140 \text{ remainder } 19$$

$$\begin{array}{r} 140 \\ 29 \overline{) 4079} \\ \underline{4060} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$4079 \div 31 = 131 \text{ remainder } 18$$

$$\begin{array}{r} 131 \\ 31 \overline{) 4079} \end{array}$$

$$\begin{array}{r} 4061 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4079 \div 37 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 37 \mid \overline{4079} \\ \underline{4070} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4079 \div 41 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 41 \mid \overline{4079} \\ \underline{4059} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4079 \div 43 = 94 \text{ remainder } 37$$

$$\begin{array}{r} 94 \\ 43 \mid \overline{4079} \\ \underline{4042} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4079 \div 47 = 86 \text{ remainder } 37$$

$$\begin{array}{r} 86 \\ 47 \mid \overline{4079} \\ \underline{4042} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4079 \div 53 = 76 \text{ remainder } 51$$

$$\begin{array}{r} 76 \\ 53 \mid \overline{4079} \\ \underline{4028} \\ \text{----} \\ 51 \leftarrow \text{remainder} \end{array}$$



$$4079 \div 59 = 69 \text{ remainder } 8$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4079} \\ \underline{4071} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4079 \div 61 = 66 \text{ remainder } 53$$

$$\begin{array}{r} 66 \\ 61 \overline{) 4079} \\ \underline{4026} \phantom{00} \\ 53 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>563</sub> 4091**

$$4091 \div 2 = 2045 \text{ remainder } 1$$

$$\begin{array}{r} 2045 \\ 2 \overline{) 4091} \\ \underline{4090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4091 \div 3 = 1363 \text{ remainder } 2$$

$$\begin{array}{r} 1363 \\ 3 \overline{) 4091} \\ \underline{4089} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4091 \div 5 = 818 \text{ remainder } 1$$

$$\begin{array}{r} 818 \\ 5 \overline{) 4091} \\ \underline{4090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4091 \div 7 = 584 \text{ remainder } 3$$

$$\begin{array}{r} 584 \\ 7 \overline{) 4091} \\ \underline{4088} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4091 \div 11 = 371 \text{ remainder } 10$$

$$\begin{array}{r} 371 \\ 11 \overline{) 4091} \\ \underline{4081} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4091 \div 13 = 314 \text{ remainder } 9$$

$$\begin{array}{r} 314 \\ 13 \overline{) 4091} \\ \underline{4082} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4091 \div 17 = 240 \text{ remainder } 11$$

$$\begin{array}{r} 240 \\ 17 \overline{) 4091} \\ \underline{4080} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4091 \div 19 = 215 \text{ remainder } 6$$

$$\begin{array}{r} 215 \\ 19 \overline{) 4091} \\ \underline{4085} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4091 \div 23 = 177 \text{ remainder } 20$$

$$\begin{array}{r} 177 \\ 23 \overline{) 4091} \\ \underline{4071} \phantom{00} \\ 20 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4091 \div 29 = 141 \text{ remainder } 2$$

$$\begin{array}{r} 141 \\ 29 \overline{) 4091} \\ \underline{4089} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4091 \div 31 = 131 \text{ remainder } 30$$

$$\begin{array}{r} 131 \\ 31 \overline{) 4091} \end{array}$$

$$\begin{array}{r} 4061 \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4091 \div 37 = 110 \text{ remainder } 21$$

$$\begin{array}{r} 110 \\ 37 \mid \overline{4091} \\ \underline{4070} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4091 \div 41 = 99 \text{ remainder } 32$$

$$\begin{array}{r} 99 \\ 41 \mid \overline{4091} \\ \underline{4059} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4091 \div 43 = 95 \text{ remainder } 6$$

$$\begin{array}{r} 95 \\ 43 \mid \overline{4091} \\ \underline{4085} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4091 \div 47 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 47 \mid \overline{4091} \\ \underline{4089} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4091 \div 53 = 77 \text{ remainder } 10$$

$$\begin{array}{r} 77 \\ 53 \mid \overline{4091} \\ \underline{4081} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4091 \div 59 = 69 \text{ remainder } 20$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4091} \\ \underline{4071} \phantom{00} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$4091 \div 61 = 67 \text{ remainder } 4$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4091} \\ \underline{4087} \phantom{00} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>564</sub> 4093**

$$4093 \div 2 = 2046 \text{ remainder } 1$$

$$\begin{array}{r} 2046 \\ 2 \overline{) 4093} \\ \underline{4092} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 3 = 1364 \text{ remainder } 1$$

$$\begin{array}{r} 1364 \\ 3 \overline{) 4093} \\ \underline{4092} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 5 = 818 \text{ remainder } 3$$

$$\begin{array}{r} 818 \\ 5 \overline{) 4093} \\ \underline{4090} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 7 = 584 \text{ remainder } 5$$

$$\begin{array}{r} 584 \\ 7 \overline{) 4093} \\ \underline{4088} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 11 = 372 \text{ remainder } 1$$

$$\begin{array}{r} 372 \\ 11 \overline{) 4093} \\ \underline{4092} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 13 = 314 \text{ remainder } 11$$

$$\begin{array}{r} 314 \\ 13 \overline{) 4093} \\ \underline{4082} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 17 = 240 \text{ remainder } 13$$

$$\begin{array}{r} 240 \\ 17 \overline{) 4093} \\ \underline{4080} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 19 = 215 \text{ remainder } 8$$

$$\begin{array}{r} 215 \\ 19 \overline{) 4093} \\ \underline{4085} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 23 = 177 \text{ remainder } 22$$

$$\begin{array}{r} 177 \\ 23 \overline{) 4093} \\ \underline{4071} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 29 = 141 \text{ remainder } 4$$

$$\begin{array}{r} 141 \\ 29 \overline{) 4093} \\ \underline{4089} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 31 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 31 \overline{) 4093} \end{array}$$

$$\begin{array}{r} 4092 \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4093 \div 37 = 110 \text{ remainder } 23$$

$$\begin{array}{r} 110 \\ 37 \overline{) 4093} \\ \underline{4070} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4093 \div 41 = 99 \text{ remainder } 34$$

$$\begin{array}{r} 99 \\ 41 \overline{) 4093} \\ \underline{4059} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4093 \div 43 = 95 \text{ remainder } 8$$

$$\begin{array}{r} 95 \\ 43 \overline{) 4093} \\ \underline{4085} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4093 \div 47 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 87 \\ 47 \overline{) 4093} \\ \underline{4089} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4093 \div 53 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 53 \overline{) 4093} \\ \underline{4081} \\ 12 \leftarrow \text{remainder} \end{array}$$



$$4093 \div 59 = 69 \text{ remainder } 22$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4093} \\ \underline{4071} \phantom{00} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4093 \div 61 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4093} \\ \underline{4087} \phantom{00} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>565</sub> 4099**

$$4099 \div 2 = 2049 \text{ remainder } 1$$

$$\begin{array}{r} 2049 \\ 2 \overline{) 4099} \\ \underline{4098} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 3 = 1366 \text{ remainder } 1$$

$$\begin{array}{r} 1366 \\ 3 \overline{) 4099} \\ \underline{4098} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 5 = 819 \text{ remainder } 4$$

$$\begin{array}{r} 819 \\ 5 \overline{) 4099} \\ \underline{4095} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 7 = 585 \text{ remainder } 4$$

$$\begin{array}{r} 585 \\ 7 \overline{) 4099} \\ \underline{4095} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 11 = 372 \text{ remainder } 7$$

$$\begin{array}{r} 372 \\ 11 \overline{) 4099} \\ \underline{4092} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 13 = 315 \text{ remainder } 4$$

$$\begin{array}{r} 315 \\ 13 \overline{) 4099} \\ \underline{4095} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 17 = 241 \text{ remainder } 2$$

$$\begin{array}{r} 241 \\ 17 \overline{) 4099} \\ \underline{4097} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 19 = 215 \text{ remainder } 14$$

$$\begin{array}{r} 215 \\ 19 \overline{) 4099} \\ \underline{4085} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 23 = 178 \text{ remainder } 5$$

$$\begin{array}{r} 178 \\ 23 \overline{) 4099} \\ \underline{4094} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 29 = 141 \text{ remainder } 10$$

$$\begin{array}{r} 141 \\ 29 \overline{) 4099} \\ \underline{4089} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 31 = 132 \text{ remainder } 7$$

$$\begin{array}{r} 132 \\ 31 \overline{) 4099} \end{array}$$

$$\begin{array}{r} 4092 \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4099 \div 37 = 110 \text{ remainder } 29$$

$$\begin{array}{r} 110 \\ 37 \overline{) 4099} \\ \underline{4070} \phantom{00} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4099 \div 41 = 99 \text{ remainder } 40$$

$$\begin{array}{r} 99 \\ 41 \overline{) 4099} \\ \underline{4059} \phantom{00} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$4099 \div 43 = 95 \text{ remainder } 14$$

$$\begin{array}{r} 95 \\ 43 \overline{) 4099} \\ \underline{4085} \phantom{00} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4099 \div 47 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 47 \overline{) 4099} \\ \underline{4089} \phantom{00} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4099 \div 53 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 53 \overline{) 4099} \\ \underline{4081} \phantom{00} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4099 \div 59 = 69 \text{ remainder } 28$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4099} \\ \underline{4071} \phantom{00} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4099 \div 61 = 67 \text{ remainder } 12$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4099} \\ \underline{4087} \phantom{00} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>566</sub> 4111**

$$4111 \div 2 = 2055 \text{ remainder } 1$$

$$\begin{array}{r} 2055 \\ 2 \overline{) 4111} \\ \underline{4110} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 3 = 1370 \text{ remainder } 1$$

$$\begin{array}{r} 1370 \\ 3 \overline{) 4111} \\ \underline{4110} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 5 = 822 \text{ remainder } 1$$

$$\begin{array}{r} 822 \\ 5 \overline{) 4111} \\ \underline{4110} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 7 = 587 \text{ remainder } 2$$

$$\begin{array}{r} 587 \\ 7 \overline{) 4111} \\ \underline{4109} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 11 = 373 \text{ remainder } 8$$

$$\begin{array}{r} 373 \\ 11 \overline{) 4111} \\ \underline{4103} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 13 = 316 \text{ remainder } 3$$

$$\begin{array}{r} 316 \\ 13 \overline{) 4111} \\ \underline{4108} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 17 = 241 \text{ remainder } 14$$

$$\begin{array}{r} 241 \\ 17 \overline{) 4111} \\ \underline{4097} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 19 = 216 \text{ remainder } 7$$

$$\begin{array}{r} 216 \\ 19 \overline{) 4111} \\ \underline{4104} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 23 = 178 \text{ remainder } 17$$

$$\begin{array}{r} 178 \\ 23 \overline{) 4111} \\ \underline{4094} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 29 = 141 \text{ remainder } 22$$

$$\begin{array}{r} 141 \\ 29 \overline{) 4111} \\ \underline{4089} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 31 = 132 \text{ remainder } 19$$

$$\begin{array}{r} 132 \\ 31 \overline{) 4111} \end{array}$$

4092  
 ----  
 19 ← remainder

$$4111 \div 37 = 111 \text{ remainder } 4$$

111  
 37 | 4111  
 4107  
 ----  
 4 ← remainder

$$4111 \div 41 = 100 \text{ remainder } 11$$

100  
 41 | 4111  
 4100  
 ----  
 11 ← remainder

$$4111 \div 43 = 95 \text{ remainder } 26$$

95  
 43 | 4111  
 4085  
 ----  
 26 ← remainder

$$4111 \div 47 = 87 \text{ remainder } 22$$

87  
 47 | 4111  
 4089  
 ----  
 22 ← remainder

$$4111 \div 53 = 77 \text{ remainder } 30$$

77  
 53 | 4111  
 4081  
 ----  
 30 ← remainder



$$4111 \div 59 = 69 \text{ remainder } 40$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4111} \\ \underline{4071} \phantom{00} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$4111 \div 61 = 67 \text{ remainder } 24$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4111} \\ \underline{4087} \phantom{00} \\ 24 \end{array} \leftarrow \text{remainder}$$

## **P<sub>567</sub> 4127**

$$4127 \div 2 = 2063 \text{ remainder } 1$$

$$\begin{array}{r} 2063 \\ 2 \overline{) 4127} \\ \underline{4126} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 3 = 1375 \text{ remainder } 2$$

$$\begin{array}{r} 1375 \\ 3 \overline{) 4127} \\ \underline{4125} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 5 = 825 \text{ remainder } 2$$

$$\begin{array}{r} 825 \\ 5 \overline{) 4127} \\ \underline{4125} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 7 = 589 \text{ remainder } 4$$

$$\begin{array}{r} 589 \\ 7 \overline{) 4127} \\ \underline{4123} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 11 = 375 \text{ remainder } 2$$

$$\begin{array}{r} 375 \\ 11 \overline{) 4127} \\ \underline{4125} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 13 = 317 \text{ remainder } 6$$

$$\begin{array}{r} 317 \\ 13 \overline{) 4127} \\ \underline{4121} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 17 = 242 \text{ remainder } 13$$

$$\begin{array}{r} 242 \\ 17 \overline{) 4127} \\ \underline{4114} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 19 = 217 \text{ remainder } 4$$

$$\begin{array}{r} 217 \\ 19 \overline{) 4127} \\ \underline{4123} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 23 = 179 \text{ remainder } 10$$

$$\begin{array}{r} 179 \\ 23 \overline{) 4127} \\ \underline{4117} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 29 = 142 \text{ remainder } 9$$

$$\begin{array}{r} 142 \\ 29 \overline{) 4127} \\ \underline{4118} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 31 = 133 \text{ remainder } 4$$

$$\begin{array}{r} 133 \\ 31 \overline{) 4127} \end{array}$$

$$\begin{array}{r} 4123 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4127 \div 37 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 37 \overline{) 4127} \\ \underline{4107} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4127 \div 41 = 100 \text{ remainder } 27$$

$$\begin{array}{r} 100 \\ 41 \overline{) 4127} \\ \underline{4100} \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4127 \div 43 = 95 \text{ remainder } 42$$

$$\begin{array}{r} 95 \\ 43 \overline{) 4127} \\ \underline{4085} \\ - - - - \\ 42 \leftarrow \text{remainder} \end{array}$$

$$4127 \div 47 = 87 \text{ remainder } 38$$

$$\begin{array}{r} 87 \\ 47 \overline{) 4127} \\ \underline{4089} \\ - - - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4127 \div 53 = 77 \text{ remainder } 46$$

$$\begin{array}{r} 77 \\ 53 \overline{) 4127} \\ \underline{4081} \\ - - - - \\ 46 \leftarrow \text{remainder} \end{array}$$

$$4127 \div 59 = 69 \text{ remainder } 56$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4127} \\ \underline{4071} \phantom{00} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$4127 \div 61 = 67 \text{ remainder } 40$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4127} \\ \underline{4087} \phantom{00} \\ 40 \end{array} \leftarrow \text{remainder}$$

## **P<sub>568</sub> 4129**

$$4129 \div 2 = 2064 \text{ remainder } 1$$

$$\begin{array}{r} 2064 \\ 2 \overline{) 4129} \\ \underline{4128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 3 = 1376 \text{ remainder } 1$$

$$\begin{array}{r} 1376 \\ 3 \overline{) 4129} \\ \underline{4128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 5 = 825 \text{ remainder } 4$$

$$\begin{array}{r} 825 \\ 5 \overline{) 4129} \\ \underline{4125} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 7 = 589 \text{ remainder } 6$$

$$\begin{array}{r} 589 \\ 7 \overline{) 4129} \\ \underline{4123} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 11 = 375 \text{ remainder } 4$$

$$\begin{array}{r} 375 \\ 11 \overline{) 4129} \\ \underline{4125} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 13 = 317 \text{ remainder } 8$$

$$\begin{array}{r} 317 \\ 13 \overline{) 4129} \\ \underline{4121} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 17 = 242 \text{ remainder } 15$$

$$\begin{array}{r} 242 \\ 17 \overline{) 4129} \\ \underline{4114} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 19 = 217 \text{ remainder } 6$$

$$\begin{array}{r} 217 \\ 19 \overline{) 4129} \\ \underline{4123} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 23 = 179 \text{ remainder } 12$$

$$\begin{array}{r} 179 \\ 23 \overline{) 4129} \\ \underline{4117} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 29 = 142 \text{ remainder } 11$$

$$\begin{array}{r} 142 \\ 29 \overline{) 4129} \\ \underline{4118} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 31 = 133 \text{ remainder } 6$$

$$\begin{array}{r} 133 \\ 31 \overline{) 4129} \end{array}$$

$$\begin{array}{r} 4123 \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4129 \div 37 = 111 \text{ remainder } 22$$

$$\begin{array}{r} 111 \\ 37 \overline{) 4129} \\ \underline{4107} \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4129 \div 41 = 100 \text{ remainder } 29$$

$$\begin{array}{r} 100 \\ 41 \overline{) 4129} \\ \underline{4100} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4129 \div 43 = 96 \text{ remainder } 1$$

$$\begin{array}{r} 96 \\ 43 \overline{) 4129} \\ \underline{4128} \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4129 \div 47 = 87 \text{ remainder } 40$$

$$\begin{array}{r} 87 \\ 47 \overline{) 4129} \\ \underline{4089} \\ - - - - \\ 40 \leftarrow \text{remainder} \end{array}$$

$$4129 \div 53 = 77 \text{ remainder } 48$$

$$\begin{array}{r} 77 \\ 53 \overline{) 4129} \\ \underline{4081} \\ - - - - \\ 48 \leftarrow \text{remainder} \end{array}$$



$$4129 \div 59 = 69 \text{ remainder } 58$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4129} \\ \underline{4071} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$4129 \div 61 = 67 \text{ remainder } 42$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4129} \\ \underline{4087} \\ 42 \end{array} \leftarrow \text{remainder}$$

## **P<sub>569</sub> 4133**

$$4133 \div 2 = 2066 \text{ remainder } 1$$

$$\begin{array}{r} 2066 \\ 2 \overline{) 4133} \\ \underline{4132} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 3 = 1377 \text{ remainder } 2$$

$$\begin{array}{r} 1377 \\ 3 \overline{) 4133} \\ \underline{4131} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 5 = 826 \text{ remainder } 3$$

$$\begin{array}{r} 826 \\ 5 \overline{) 4133} \\ \underline{4130} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 7 = 590 \text{ remainder } 3$$

$$\begin{array}{r} 590 \\ 7 \overline{) 4133} \\ \underline{4130} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 11 = 375 \text{ remainder } 8$$

$$\begin{array}{r} 375 \\ 11 \overline{) 4133} \\ \underline{4125} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 13 = 317 \text{ remainder } 12$$

$$\begin{array}{r} 317 \\ 13 \overline{) 4133} \\ \underline{4121} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 17 = 243 \text{ remainder } 2$$

$$\begin{array}{r} 243 \\ 17 \overline{) 4133} \\ \underline{4131} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 19 = 217 \text{ remainder } 10$$

$$\begin{array}{r} 217 \\ 19 \overline{) 4133} \\ \underline{4123} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 23 = 179 \text{ remainder } 16$$

$$\begin{array}{r} 179 \\ 23 \overline{) 4133} \\ \underline{4117} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 29 = 142 \text{ remainder } 15$$

$$\begin{array}{r} 142 \\ 29 \overline{) 4133} \\ \underline{4118} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 31 = 133 \text{ remainder } 10$$

$$\begin{array}{r} 133 \\ 31 \overline{) 4133} \end{array}$$

$$\begin{array}{r} 4123 \\ - - - - \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 37 = 111 \text{ remainder } 26$$

$$\begin{array}{r} 111 \\ 37 \overline{) 4133} \\ \underline{4107} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 41 = 100 \text{ remainder } 33$$

$$\begin{array}{r} 100 \\ 41 \overline{) 4133} \\ \underline{4100} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 43 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 43 \overline{) 4133} \\ \underline{4128} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 47 = 87 \text{ remainder } 44$$

$$\begin{array}{r} 87 \\ 47 \overline{) 4133} \\ \underline{4089} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 53 = 77 \text{ remainder } 52$$

$$\begin{array}{r} 77 \\ 53 \overline{) 4133} \\ \underline{4081} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$4133 \div 59 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 59 \overline{) 4133} \\ \underline{4130} \\ 3 \end{array}$$

3 ← remainder

$$4133 \div 61 = 67 \text{ remainder } 46$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4133} \\ \underline{4087} \\ 46 \end{array}$$

46 ← remainder

## **P<sub>570</sub> 4139**

$$4139 \div 2 = 2069 \text{ remainder } 1$$

$$\begin{array}{r} 2069 \\ 2 \overline{) 4139} \\ \underline{4138} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 3 = 1379 \text{ remainder } 2$$

$$\begin{array}{r} 1379 \\ 3 \overline{) 4139} \\ \underline{4137} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 5 = 827 \text{ remainder } 4$$

$$\begin{array}{r} 827 \\ 5 \overline{) 4139} \\ \underline{4135} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 7 = 591 \text{ remainder } 2$$

$$\begin{array}{r} 591 \\ 7 \overline{) 4139} \\ \underline{4137} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 11 = 376 \text{ remainder } 3$$

$$\begin{array}{r} 376 \\ 11 \overline{) 4139} \\ \underline{4136} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 13 = 318 \text{ remainder } 5$$

$$\begin{array}{r} 318 \\ 13 \overline{) 4139} \\ \underline{4134} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4139 \div 17 = 243 \text{ remainder } 8$$

$$\begin{array}{r} 243 \\ 17 \overline{) 4139} \\ \underline{4131} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4139 \div 19 = 217 \text{ remainder } 16$$

$$\begin{array}{r} 217 \\ 19 \overline{) 4139} \\ \underline{4123} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4139 \div 23 = 179 \text{ remainder } 22$$

$$\begin{array}{r} 179 \\ 23 \overline{) 4139} \\ \underline{4117} \phantom{00} \\ 22 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4139 \div 29 = 142 \text{ remainder } 21$$

$$\begin{array}{r} 142 \\ 29 \overline{) 4139} \\ \underline{4118} \phantom{00} \\ 21 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4139 \div 31 = 133 \text{ remainder } 16$$

$$\begin{array}{r} 133 \\ 31 \overline{) 4139} \end{array}$$

$$\begin{array}{r} 4123 \\ - - - - \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 37 = 111 \text{ remainder } 32$$

$$\begin{array}{r} 111 \\ 37 \overline{) 4139} \\ \underline{4107} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 41 = 100 \text{ remainder } 39$$

$$\begin{array}{r} 100 \\ 41 \overline{) 4139} \\ \underline{4100} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 43 = 96 \text{ remainder } 11$$

$$\begin{array}{r} 96 \\ 43 \overline{) 4139} \\ \underline{4128} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 47 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 47 \overline{) 4139} \\ \underline{4136} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 53 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 53 \overline{) 4139} \\ \underline{4134} \\ 5 \end{array} \leftarrow \text{remainder}$$



$$4139 \div 59 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 59 \overline{) 4139} \\ \underline{4130} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4139 \div 61 = 67 \text{ remainder } 52$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4139} \\ \underline{4087} \\ 52 \end{array} \leftarrow \text{remainder}$$

## **P<sub>571</sub> 4153**

$$4153 \div 2 = 2076 \text{ remainder } 1$$

$$\begin{array}{r} 2076 \\ 2 \overline{) 4153} \\ \underline{4152} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 3 = 1384 \text{ remainder } 1$$

$$\begin{array}{r} 1384 \\ 3 \overline{) 4153} \\ \underline{4152} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 5 = 830 \text{ remainder } 3$$

$$\begin{array}{r} 830 \\ 5 \overline{) 4153} \\ \underline{4150} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 7 = 593 \text{ remainder } 2$$

$$\begin{array}{r} 593 \\ 7 \overline{) 4153} \\ \underline{4151} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 11 = 377 \text{ remainder } 6$$

$$\begin{array}{r} 377 \\ 11 \overline{) 4153} \\ \underline{4147} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 13 = 319 \text{ remainder } 6$$

$$\begin{array}{r} 319 \\ 13 \overline{) 4153} \\ \underline{4147} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 17 = 244 \text{ remainder } 5$$

$$\begin{array}{r} 244 \\ 17 \overline{) 4153} \\ \underline{4148} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 19 = 218 \text{ remainder } 11$$

$$\begin{array}{r} 218 \\ 19 \overline{) 4153} \\ \underline{4142} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 23 = 180 \text{ remainder } 13$$

$$\begin{array}{r} 180 \\ 23 \overline{) 4153} \\ \underline{4140} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 29 = 143 \text{ remainder } 6$$

$$\begin{array}{r} 143 \\ 29 \overline{) 4153} \\ \underline{4147} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 31 = 133 \text{ remainder } 30$$

$$\begin{array}{r} 133 \\ 31 \overline{) 4153} \end{array}$$

$$\begin{array}{r} 4123 \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4153 \div 37 = 112 \text{ remainder } 9$$

$$\begin{array}{r} 112 \\ 37 \overline{) 4153} \\ \underline{4144} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4153 \div 41 = 101 \text{ remainder } 12$$

$$\begin{array}{r} 101 \\ 41 \overline{) 4153} \\ \underline{4141} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4153 \div 43 = 96 \text{ remainder } 25$$

$$\begin{array}{r} 96 \\ 43 \overline{) 4153} \\ \underline{4128} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4153 \div 47 = 88 \text{ remainder } 17$$

$$\begin{array}{r} 88 \\ 47 \overline{) 4153} \\ \underline{4136} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4153 \div 53 = 78 \text{ remainder } 19$$

$$\begin{array}{r} 78 \\ 53 \overline{) 4153} \\ \underline{4134} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$4153 \div 59 = 70 \text{ remainder } 23$$

$$\begin{array}{r} 70 \\ 59 \overline{) 4153} \\ \underline{4130} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4153 \div 61 = 68 \text{ remainder } 5$$

$$\begin{array}{r} 68 \\ 61 \overline{) 4153} \\ \underline{4148} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>572</sub> 4157**

$$4157 \div 2 = 2078 \text{ remainder } 1$$

$$\begin{array}{r} 2078 \\ 2 \overline{) 4157} \\ \underline{4156} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 3 = 1385 \text{ remainder } 2$$

$$\begin{array}{r} 1385 \\ 3 \overline{) 4157} \\ \underline{4155} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 5 = 831 \text{ remainder } 2$$

$$\begin{array}{r} 831 \\ 5 \overline{) 4157} \\ \underline{4155} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 7 = 593 \text{ remainder } 6$$

$$\begin{array}{r} 593 \\ 7 \overline{) 4157} \\ \underline{4151} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 11 = 377 \text{ remainder } 10$$

$$\begin{array}{r} 377 \\ 11 \overline{) 4157} \\ \underline{4147} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 13 = 319 \text{ remainder } 10$$

$$\begin{array}{r} 319 \\ 13 \overline{) 4157} \\ \underline{4147} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 17 = 244 \text{ remainder } 9$$

$$\begin{array}{r} 244 \\ 17 \overline{) 4157} \\ \underline{4148} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 19 = 218 \text{ remainder } 15$$

$$\begin{array}{r} 218 \\ 19 \overline{) 4157} \\ \underline{4142} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 23 = 180 \text{ remainder } 17$$

$$\begin{array}{r} 180 \\ 23 \overline{) 4157} \\ \underline{4140} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 29 = 143 \text{ remainder } 10$$

$$\begin{array}{r} 143 \\ 29 \overline{) 4157} \\ \underline{4147} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 31 = 134 \text{ remainder } 3$$

$$\begin{array}{r} 134 \\ 31 \overline{) 4157} \end{array}$$

$$\begin{array}{r} 4154 \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4157 \div 37 = 112 \text{ remainder } 13$$

$$\begin{array}{r} 112 \\ 37 \overline{) 4157} \\ \underline{4144} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4157 \div 41 = 101 \text{ remainder } 16$$

$$\begin{array}{r} 101 \\ 41 \overline{) 4157} \\ \underline{4141} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4157 \div 43 = 96 \text{ remainder } 29$$

$$\begin{array}{r} 96 \\ 43 \overline{) 4157} \\ \underline{4128} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4157 \div 47 = 88 \text{ remainder } 21$$

$$\begin{array}{r} 88 \\ 47 \overline{) 4157} \\ \underline{4136} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4157 \div 53 = 78 \text{ remainder } 23$$

$$\begin{array}{r} 78 \\ 53 \overline{) 4157} \\ \underline{4134} \\ 23 \leftarrow \text{remainder} \end{array}$$



$$4157 \div 59 = 70 \text{ remainder } 27$$

$$\begin{array}{r} 70 \\ 59 \overline{) 4157} \\ \underline{4130} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$4157 \div 61 = 68 \text{ remainder } 9$$

$$\begin{array}{r} 68 \\ 61 \overline{) 4157} \\ \underline{4148} \\ 9 \end{array} \leftarrow \text{remainder}$$

## **P<sub>573</sub> 4159**

$$4159 \div 2 = 2079 \text{ remainder } 1$$

$$\begin{array}{r} 2079 \\ 2 \overline{) 4159} \\ \underline{4158} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 3 = 1386 \text{ remainder } 1$$

$$\begin{array}{r} 1386 \\ 3 \overline{) 4159} \\ \underline{4158} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 5 = 831 \text{ remainder } 4$$

$$\begin{array}{r} 831 \\ 5 \overline{) 4159} \\ \underline{4155} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 7 = 594 \text{ remainder } 1$$

$$\begin{array}{r} 594 \\ 7 \overline{) 4159} \\ \underline{4158} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 11 = 378 \text{ remainder } 1$$

$$\begin{array}{r} 378 \\ 11 \overline{) 4159} \\ \underline{4158} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 13 = 319 \text{ remainder } 12$$

$$\begin{array}{r} 319 \\ 13 \overline{) 4159} \\ \underline{4147} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 17 = 244 \text{ remainder } 11$$

$$\begin{array}{r} 244 \\ 17 \overline{) 4159} \\ \underline{4148} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 19 = 218 \text{ remainder } 17$$

$$\begin{array}{r} 218 \\ 19 \overline{) 4159} \\ \underline{4142} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 23 = 180 \text{ remainder } 19$$

$$\begin{array}{r} 180 \\ 23 \overline{) 4159} \\ \underline{4140} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 29 = 143 \text{ remainder } 12$$

$$\begin{array}{r} 143 \\ 29 \overline{) 4159} \\ \underline{4147} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 31 = 134 \text{ remainder } 5$$

$$\begin{array}{r} 134 \\ 31 \overline{) 4159} \end{array}$$

$$\begin{array}{r} 4154 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4159 \div 37 = 112 \text{ remainder } 15$$

$$\begin{array}{r} 112 \\ 37 \overline{) 4159} \\ \underline{4144} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$4159 \div 41 = 101 \text{ remainder } 18$$

$$\begin{array}{r} 101 \\ 41 \overline{) 4159} \\ \underline{4141} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4159 \div 43 = 96 \text{ remainder } 31$$

$$\begin{array}{r} 96 \\ 43 \overline{) 4159} \\ \underline{4128} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4159 \div 47 = 88 \text{ remainder } 23$$

$$\begin{array}{r} 88 \\ 47 \overline{) 4159} \\ \underline{4136} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4159 \div 53 = 78 \text{ remainder } 25$$

$$\begin{array}{r} 78 \\ 53 \overline{) 4159} \\ \underline{4134} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4159 \div 59 = 70 \text{ remainder } 29$$

$$\begin{array}{r} 70 \\ 59 \overline{) 4159} \\ \underline{4130} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$4159 \div 61 = 68 \text{ remainder } 11$$

$$\begin{array}{r} 68 \\ 61 \overline{) 4159} \\ \underline{4148} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>574</sub> 4177**

$$4177 \div 2 = 2088 \text{ remainder } 1$$

$$\begin{array}{r} 2088 \\ 2 \overline{) 4177} \\ \underline{4176} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 3 = 1392 \text{ remainder } 1$$

$$\begin{array}{r} 1392 \\ 3 \overline{) 4177} \\ \underline{4176} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 5 = 835 \text{ remainder } 2$$

$$\begin{array}{r} 835 \\ 5 \overline{) 4177} \\ \underline{4175} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 7 = 596 \text{ remainder } 5$$

$$\begin{array}{r} 596 \\ 7 \overline{) 4177} \\ \underline{4172} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 11 = 379 \text{ remainder } 8$$

$$\begin{array}{r} 379 \\ 11 \overline{) 4177} \\ \underline{4169} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 13 = 321 \text{ remainder } 4$$

$$\begin{array}{r} 321 \\ 13 \overline{) 4177} \\ \underline{4173} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 17 = 245 \text{ remainder } 12$$

$$\begin{array}{r} 245 \\ 17 \overline{) 4177} \\ \underline{4165} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 19 = 219 \text{ remainder } 16$$

$$\begin{array}{r} 219 \\ 19 \overline{) 4177} \\ \underline{4161} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 23 = 181 \text{ remainder } 14$$

$$\begin{array}{r} 181 \\ 23 \overline{) 4177} \\ \underline{4163} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 29 = 144 \text{ remainder } 1$$

$$\begin{array}{r} 144 \\ 29 \overline{) 4177} \\ \underline{4176} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 31 = 134 \text{ remainder } 23$$

$$\begin{array}{r} 134 \\ 31 \overline{) 4177} \end{array}$$

$$\begin{array}{r} 4154 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4177 \div 37 = 112 \text{ remainder } 33$$

$$\begin{array}{r} 112 \\ 37 \overline{) 4177} \\ \underline{4144} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4177 \div 41 = 101 \text{ remainder } 36$$

$$\begin{array}{r} 101 \\ 41 \overline{) 4177} \\ \underline{4141} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4177 \div 43 = 97 \text{ remainder } 6$$

$$\begin{array}{r} 97 \\ 43 \overline{) 4177} \\ \underline{4171} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4177 \div 47 = 88 \text{ remainder } 41$$

$$\begin{array}{r} 88 \\ 47 \overline{) 4177} \\ \underline{4136} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$4177 \div 53 = 78 \text{ remainder } 43$$

$$\begin{array}{r} 78 \\ 53 \overline{) 4177} \\ \underline{4134} \\ 43 \leftarrow \text{remainder} \end{array}$$



$$4177 \div 59 = 70 \text{ remainder } 47$$

$$\begin{array}{r} 70 \\ 59 \overline{) 4177} \\ \underline{4130} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$4177 \div 61 = 68 \text{ remainder } 29$$

$$\begin{array}{r} 68 \\ 61 \overline{) 4177} \\ \underline{4148} \\ 29 \end{array} \leftarrow \text{remainder}$$

## **P<sub>575</sub> 4201**

$$4201 \div 2 = 2100 \text{ remainder } 1$$

$$\begin{array}{r} 2100 \\ 2 \overline{) 4201} \\ \underline{4200} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 3 = 1400 \text{ remainder } 1$$

$$\begin{array}{r} 1400 \\ 3 \overline{) 4201} \\ \underline{4200} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 5 = 840 \text{ remainder } 1$$

$$\begin{array}{r} 840 \\ 5 \overline{) 4201} \\ \underline{4200} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 7 = 600 \text{ remainder } 1$$

$$\begin{array}{r} 600 \\ 7 \overline{) 4201} \\ \underline{4200} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 11 = 381 \text{ remainder } 10$$

$$\begin{array}{r} 381 \\ 11 \overline{) 4201} \\ \underline{4191} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 13 = 323 \text{ remainder } 2$$

$$\begin{array}{r} 323 \\ 13 \overline{) 4201} \\ \underline{4199} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 17 = 247 \text{ remainder } 2$$

$$\begin{array}{r} 247 \\ 17 \overline{) 4201} \\ \underline{4199} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 19 = 221 \text{ remainder } 2$$

$$\begin{array}{r} 221 \\ 19 \overline{) 4201} \\ \underline{4199} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 23 = 182 \text{ remainder } 15$$

$$\begin{array}{r} 182 \\ 23 \overline{) 4201} \\ \underline{4186} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 29 = 144 \text{ remainder } 25$$

$$\begin{array}{r} 144 \\ 29 \overline{) 4201} \\ \underline{4176} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 31 = 135 \text{ remainder } 16$$

$$\begin{array}{r} 135 \\ 31 \overline{) 4201} \end{array}$$

$$\begin{array}{r} 4185 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4201 \div 37 = 113 \text{ remainder } 20$$

$$\begin{array}{r} 113 \\ 37 \overline{) 4201} \\ \underline{4181} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4201 \div 41 = 102 \text{ remainder } 19$$

$$\begin{array}{r} 102 \\ 41 \overline{) 4201} \\ \underline{4182} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$4201 \div 43 = 97 \text{ remainder } 30$$

$$\begin{array}{r} 97 \\ 43 \overline{) 4201} \\ \underline{4171} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4201 \div 47 = 89 \text{ remainder } 18$$

$$\begin{array}{r} 89 \\ 47 \overline{) 4201} \\ \underline{4183} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4201 \div 53 = 79 \text{ remainder } 14$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4201} \\ \underline{4187} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4201 \div 59 = 71 \text{ remainder } 12$$

$$\begin{array}{r} 71 \\ 59 \overline{) 4201} \\ \underline{4189} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4201 \div 61 = 68 \text{ remainder } 53$$

$$\begin{array}{r} 68 \\ 61 \overline{) 4201} \\ \underline{4148} \\ 53 \end{array} \leftarrow \text{remainder}$$

## **P<sub>576</sub> 4211**

$$4211 \div 2 = 2105 \text{ remainder } 1$$

$$\begin{array}{r} 2105 \\ 2 \overline{) 4211} \\ \underline{4210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 3 = 1403 \text{ remainder } 2$$

$$\begin{array}{r} 1403 \\ 3 \overline{) 4211} \\ \underline{4209} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 5 = 842 \text{ remainder } 1$$

$$\begin{array}{r} 842 \\ 5 \overline{) 4211} \\ \underline{4210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 7 = 601 \text{ remainder } 4$$

$$\begin{array}{r} 601 \\ 7 \overline{) 4211} \\ \underline{4207} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 11 = 382 \text{ remainder } 9$$

$$\begin{array}{r} 382 \\ 11 \overline{) 4211} \\ \underline{4202} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 13 = 323 \text{ remainder } 12$$

$$\begin{array}{r} 323 \\ 13 \overline{) 4211} \\ \underline{4199} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 17 = 247 \text{ remainder } 12$$

$$\begin{array}{r} 247 \\ 17 \overline{) 4211} \\ \underline{4199} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 19 = 221 \text{ remainder } 12$$

$$\begin{array}{r} 221 \\ 19 \overline{) 4211} \\ \underline{4199} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 23 = 183 \text{ remainder } 2$$

$$\begin{array}{r} 183 \\ 23 \overline{) 4211} \\ \underline{4209} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 29 = 145 \text{ remainder } 6$$

$$\begin{array}{r} 145 \\ 29 \overline{) 4211} \\ \underline{4205} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 31 = 135 \text{ remainder } 26$$

$$\begin{array}{r} 135 \\ 31 \overline{) 4211} \end{array}$$

$$\begin{array}{r} 4185 \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4211 \div 37 = 113 \text{ remainder } 30$$

$$\begin{array}{r} 113 \\ 37 \overline{) 4211} \\ \underline{4181} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4211 \div 41 = 102 \text{ remainder } 29$$

$$\begin{array}{r} 102 \\ 41 \overline{) 4211} \\ \underline{4182} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4211 \div 43 = 97 \text{ remainder } 40$$

$$\begin{array}{r} 97 \\ 43 \overline{) 4211} \\ \underline{4171} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$4211 \div 47 = 89 \text{ remainder } 28$$

$$\begin{array}{r} 89 \\ 47 \overline{) 4211} \\ \underline{4183} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4211 \div 53 = 79 \text{ remainder } 24$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4211} \\ \underline{4187} \\ 24 \leftarrow \text{remainder} \end{array}$$



$$4211 \div 59 = 71 \text{ remainder } 22$$

$$\begin{array}{r} 71 \\ 59 \overline{) 4211} \\ \underline{4189} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4211 \div 61 = 69 \text{ remainder } 2$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4211} \\ \underline{4209} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>577</sub> 4217**

$$4217 \div 2 = 2108 \text{ remainder } 1$$

$$\begin{array}{r} 2108 \\ 2 \overline{) 4217} \\ \underline{4216} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 3 = 1405 \text{ remainder } 2$$

$$\begin{array}{r} 1405 \\ 3 \overline{) 4217} \\ \underline{4215} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 5 = 843 \text{ remainder } 2$$

$$\begin{array}{r} 843 \\ 5 \overline{) 4217} \\ \underline{4215} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 7 = 602 \text{ remainder } 3$$

$$\begin{array}{r} 602 \\ 7 \overline{) 4217} \\ \underline{4214} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 11 = 383 \text{ remainder } 4$$

$$\begin{array}{r} 383 \\ 11 \overline{) 4217} \\ \underline{4213} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 13 = 324 \text{ remainder } 5$$

$$\begin{array}{r} 324 \\ 13 \overline{) 4217} \\ \underline{4212} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 17 = 248 \text{ remainder } 1$$

$$\begin{array}{r} 248 \\ 17 \overline{) 4217} \\ \underline{4216} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 19 = 221 \text{ remainder } 18$$

$$\begin{array}{r} 221 \\ 19 \overline{) 4217} \\ \underline{4199} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 23 = 183 \text{ remainder } 8$$

$$\begin{array}{r} 183 \\ 23 \overline{) 4217} \\ \underline{4209} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 29 = 145 \text{ remainder } 12$$

$$\begin{array}{r} 145 \\ 29 \overline{) 4217} \\ \underline{4205} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 31 = 136 \text{ remainder } 1$$

$$\begin{array}{r} 136 \\ 31 \overline{) 4217} \end{array}$$

$$\begin{array}{r} 4216 \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4217 \div 37 = 113 \text{ remainder } 36$$

$$\begin{array}{r} 113 \\ 37 \overline{) 4217} \\ \underline{4181} \phantom{00} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4217 \div 41 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 41 \overline{) 4217} \\ \underline{4182} \phantom{00} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4217 \div 43 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4217} \\ \underline{4214} \phantom{00} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4217 \div 47 = 89 \text{ remainder } 34$$

$$\begin{array}{r} 89 \\ 47 \overline{) 4217} \\ \underline{4183} \phantom{00} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4217 \div 53 = 79 \text{ remainder } 30$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4217} \\ \underline{4187} \phantom{00} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4217 \div 59 = 71 \text{ remainder } 28$$

$$\begin{array}{r} 71 \\ 59 \overline{) 4217} \\ \underline{4189} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4217 \div 61 = 69 \text{ remainder } 8$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4217} \\ \underline{4209} \\ 8 \end{array} \leftarrow \text{remainder}$$

## **P<sub>578</sub> 4219**

$$4219 \div 2 = 2109 \text{ remainder } 1$$

$$\begin{array}{r} 2109 \\ 2 \overline{) 4219} \\ \underline{4218} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 3 = 1406 \text{ remainder } 1$$

$$\begin{array}{r} 1406 \\ 3 \overline{) 4219} \\ \underline{4218} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 5 = 843 \text{ remainder } 4$$

$$\begin{array}{r} 843 \\ 5 \overline{) 4219} \\ \underline{4215} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 7 = 602 \text{ remainder } 5$$

$$\begin{array}{r} 602 \\ 7 \overline{) 4219} \\ \underline{4214} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 11 = 383 \text{ remainder } 6$$

$$\begin{array}{r} 383 \\ 11 \overline{) 4219} \\ \underline{4213} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 13 = 324 \text{ remainder } 7$$

$$\begin{array}{r} 324 \\ 13 \overline{) 4219} \\ \underline{4212} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 17 = 248 \text{ remainder } 3$$

$$\begin{array}{r} 248 \\ 17 \overline{) 4219} \\ \underline{4216} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 19 = 222 \text{ remainder } 1$$

$$\begin{array}{r} 222 \\ 19 \overline{) 4219} \\ \underline{4218} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 23 = 183 \text{ remainder } 10$$

$$\begin{array}{r} 183 \\ 23 \overline{) 4219} \\ \underline{4209} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 29 = 145 \text{ remainder } 14$$

$$\begin{array}{r} 145 \\ 29 \overline{) 4219} \\ \underline{4205} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 31 = 136 \text{ remainder } 3$$

$$\begin{array}{r} 136 \\ 31 \overline{) 4219} \end{array}$$

$$\begin{array}{r} 4216 \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4219 \div 37 = 114 \text{ remainder } 1$$

$$\begin{array}{r} 114 \\ 37 \overline{) 4219} \\ \underline{4218} \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4219 \div 41 = 102 \text{ remainder } 37$$

$$\begin{array}{r} 102 \\ 41 \overline{) 4219} \\ \underline{4182} \\ - - - - \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4219 \div 43 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4219} \\ \underline{4214} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4219 \div 47 = 89 \text{ remainder } 36$$

$$\begin{array}{r} 89 \\ 47 \overline{) 4219} \\ \underline{4183} \\ - - - - \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4219 \div 53 = 79 \text{ remainder } 32$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4219} \\ \underline{4187} \\ - - - - \\ 32 \leftarrow \text{remainder} \end{array}$$



$$4219 \div 59 = 71 \text{ remainder } 30$$

$$\begin{array}{r} 71 \\ 59 \overline{) 4219} \\ \underline{4189} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$4219 \div 61 = 69 \text{ remainder } 10$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4219} \\ \underline{4209} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>579</sub> 4229**

$$4229 \div 2 = 2114 \text{ remainder } 1$$

$$\begin{array}{r} 2114 \\ 2 \overline{) 4229} \\ \underline{4228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 3 = 1409 \text{ remainder } 2$$

$$\begin{array}{r} 1409 \\ 3 \overline{) 4229} \\ \underline{4227} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 5 = 845 \text{ remainder } 4$$

$$\begin{array}{r} 845 \\ 5 \overline{) 4229} \\ \underline{4225} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 7 = 604 \text{ remainder } 1$$

$$\begin{array}{r} 604 \\ 7 \overline{) 4229} \\ \underline{4228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 11 = 384 \text{ remainder } 5$$

$$\begin{array}{r} 384 \\ 11 \overline{) 4229} \\ \underline{4224} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 13 = 325 \text{ remainder } 4$$

$$\begin{array}{r} 325 \\ 13 \overline{) 4229} \\ \underline{4225} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 17 = 248 \text{ remainder } 13$$

$$\begin{array}{r} 248 \\ 17 \overline{) 4229} \\ \underline{4216} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 19 = 222 \text{ remainder } 11$$

$$\begin{array}{r} 222 \\ 19 \overline{) 4229} \\ \underline{4218} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 23 = 183 \text{ remainder } 20$$

$$\begin{array}{r} 183 \\ 23 \overline{) 4229} \\ \underline{4209} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 29 = 145 \text{ remainder } 24$$

$$\begin{array}{r} 145 \\ 29 \overline{) 4229} \\ \underline{4205} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 31 = 136 \text{ remainder } 13$$

$$\begin{array}{r} 136 \\ 31 \overline{) 4229} \end{array}$$

$$\begin{array}{r} 4216 \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4229 \div 37 = 114 \text{ remainder } 11$$

$$\begin{array}{r} 114 \\ 37 \overline{) 4229} \\ \underline{4218} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4229 \div 41 = 103 \text{ remainder } 6$$

$$\begin{array}{r} 103 \\ 41 \overline{) 4229} \\ \underline{4223} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4229 \div 43 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4229} \\ \underline{4214} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$4229 \div 47 = 89 \text{ remainder } 46$$

$$\begin{array}{r} 89 \\ 47 \overline{) 4229} \\ \underline{4183} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$4229 \div 53 = 79 \text{ remainder } 42$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4229} \\ \underline{4187} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$4229 \div 59 = 71 \text{ remainder } 40$$

$$\begin{array}{r} 71 \\ 59 \overline{) 4229} \\ \underline{4189} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$4229 \div 61 = 69 \text{ remainder } 20$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4229} \\ \underline{4209} \\ 20 \end{array} \leftarrow \text{remainder}$$

## **P<sub>580</sub> 4231**

$$4231 \div 2 = 2115 \text{ remainder } 1$$

$$\begin{array}{r} 2115 \\ 2 \overline{) 4231} \\ \underline{4230} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 3 = 1410 \text{ remainder } 1$$

$$\begin{array}{r} 1410 \\ 3 \overline{) 4231} \\ \underline{4230} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 5 = 846 \text{ remainder } 1$$

$$\begin{array}{r} 846 \\ 5 \overline{) 4231} \\ \underline{4230} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 7 = 604 \text{ remainder } 3$$

$$\begin{array}{r} 604 \\ 7 \overline{) 4231} \\ \underline{4228} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 11 = 384 \text{ remainder } 7$$

$$\begin{array}{r} 384 \\ 11 \overline{) 4231} \\ \underline{4224} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 13 = 325 \text{ remainder } 6$$

$$\begin{array}{r} 325 \\ 13 \overline{) 4231} \\ \underline{4225} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 17 = 248 \text{ remainder } 15$$

$$\begin{array}{r} 248 \\ 17 \overline{) 4231} \\ \underline{4216} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 19 = 222 \text{ remainder } 13$$

$$\begin{array}{r} 222 \\ 19 \overline{) 4231} \\ \underline{4218} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 23 = 183 \text{ remainder } 22$$

$$\begin{array}{r} 183 \\ 23 \overline{) 4231} \\ \underline{4209} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 29 = 145 \text{ remainder } 26$$

$$\begin{array}{r} 145 \\ 29 \overline{) 4231} \\ \underline{4205} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 31 = 136 \text{ remainder } 15$$

$$\begin{array}{r} 136 \\ 31 \overline{) 4231} \end{array}$$

$$\begin{array}{r} 4216 \\ - - - - \\ 15 \leftarrow \text{remainder} \end{array}$$

$$4231 \div 37 = 114 \text{ remainder } 13$$

$$\begin{array}{r} 114 \\ 37 \overline{) 4231} \\ \underline{4218} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4231 \div 41 = 103 \text{ remainder } 8$$

$$\begin{array}{r} 103 \\ 41 \overline{) 4231} \\ \underline{4223} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4231 \div 43 = 98 \text{ remainder } 17$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4231} \\ \underline{4214} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4231 \div 47 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4231} \\ \underline{4230} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4231 \div 53 = 79 \text{ remainder } 44$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4231} \\ \underline{4187} \\ 44 \leftarrow \text{remainder} \end{array}$$



$$4231 \div 59 = 71 \text{ remainder } 42$$

$$\begin{array}{r} 71 \\ 59 \overline{) 4231} \\ \underline{4189} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$4231 \div 61 = 69 \text{ remainder } 22$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4231} \\ \underline{4209} \\ 22 \end{array} \leftarrow \text{remainder}$$

## **P<sub>581</sub> 4241**

$$4241 \div 2 = 2120 \text{ remainder } 1$$

$$\begin{array}{r} 2120 \\ 2 \overline{) 4241} \\ \underline{4240} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 3 = 1413 \text{ remainder } 2$$

$$\begin{array}{r} 1413 \\ 3 \overline{) 4241} \\ \underline{4239} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 5 = 848 \text{ remainder } 1$$

$$\begin{array}{r} 848 \\ 5 \overline{) 4241} \\ \underline{4240} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 7 = 605 \text{ remainder } 6$$

$$\begin{array}{r} 605 \\ 7 \overline{) 4241} \\ \underline{4235} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 11 = 385 \text{ remainder } 6$$

$$\begin{array}{r} 385 \\ 11 \overline{) 4241} \\ \underline{4235} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 13 = 326 \text{ remainder } 3$$

$$\begin{array}{r} 326 \\ 13 \overline{) 4241} \\ \underline{4238} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 17 = 249 \text{ remainder } 8$$

$$\begin{array}{r} 249 \\ 17 \overline{) 4241} \\ \underline{4233} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 19 = 223 \text{ remainder } 4$$

$$\begin{array}{r} 223 \\ 19 \overline{) 4241} \\ \underline{4237} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 23 = 184 \text{ remainder } 9$$

$$\begin{array}{r} 184 \\ 23 \overline{) 4241} \\ \underline{4232} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 29 = 146 \text{ remainder } 7$$

$$\begin{array}{r} 146 \\ 29 \overline{) 4241} \\ \underline{4234} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 31 = 136 \text{ remainder } 25$$

$$\begin{array}{r} 136 \\ 31 \overline{) 4241} \end{array}$$

$$\begin{array}{r} 4216 \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4241 \div 37 = 114 \text{ remainder } 23$$

$$\begin{array}{r} 114 \\ 37 \overline{) 4241} \\ \underline{4218} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4241 \div 41 = 103 \text{ remainder } 18$$

$$\begin{array}{r} 103 \\ 41 \overline{) 4241} \\ \underline{4223} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4241 \div 43 = 98 \text{ remainder } 27$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4241} \\ \underline{4214} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4241 \div 47 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4241} \\ \underline{4230} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4241 \div 53 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4241} \\ \underline{4240} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4241 \div 59 = 71 \text{ remainder } 52$$

$$\begin{array}{r} 71 \\ 59 \overline{) 4241} \\ \underline{4189} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$4241 \div 61 = 69 \text{ remainder } 32$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4241} \\ \underline{4209} \\ 32 \end{array} \leftarrow \text{remainder}$$

## **P<sub>582</sub> 4243**

$$4243 \div 2 = 2121 \text{ remainder } 1$$

$$\begin{array}{r} 2121 \\ 2 \overline{) 4243} \\ \underline{4242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 3 = 1414 \text{ remainder } 1$$

$$\begin{array}{r} 1414 \\ 3 \overline{) 4243} \\ \underline{4242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 5 = 848 \text{ remainder } 3$$

$$\begin{array}{r} 848 \\ 5 \overline{) 4243} \\ \underline{4240} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 7 = 606 \text{ remainder } 1$$

$$\begin{array}{r} 606 \\ 7 \overline{) 4243} \\ \underline{4242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 11 = 385 \text{ remainder } 8$$

$$\begin{array}{r} 385 \\ 11 \overline{) 4243} \\ \underline{4235} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 13 = 326 \text{ remainder } 5$$

$$\begin{array}{r} 326 \\ 13 \overline{) 4243} \\ \underline{4238} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 17 = 249 \text{ remainder } 10$$

$$\begin{array}{r} 249 \\ 17 \overline{) 4243} \\ \underline{4233} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 19 = 223 \text{ remainder } 6$$

$$\begin{array}{r} 223 \\ 19 \overline{) 4243} \\ \underline{4237} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 23 = 184 \text{ remainder } 11$$

$$\begin{array}{r} 184 \\ 23 \overline{) 4243} \\ \underline{4232} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 29 = 146 \text{ remainder } 9$$

$$\begin{array}{r} 146 \\ 29 \overline{) 4243} \\ \underline{4234} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 31 = 136 \text{ remainder } 27$$

$$\begin{array}{r} 136 \\ 31 \overline{) 4243} \end{array}$$

$$\begin{array}{r} 4216 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4243 \div 37 = 114 \text{ remainder } 25$$

$$\begin{array}{r} 114 \\ 37 \overline{) 4243} \\ \underline{4218} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4243 \div 41 = 103 \text{ remainder } 20$$

$$\begin{array}{r} 103 \\ 41 \overline{) 4243} \\ \underline{4223} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4243 \div 43 = 98 \text{ remainder } 29$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4243} \\ \underline{4214} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4243 \div 47 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4243} \\ \underline{4230} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4243 \div 53 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4243} \\ \underline{4240} \\ 3 \leftarrow \text{remainder} \end{array}$$



$$4243 \div 59 = 71 \text{ remainder } 54$$

$$\begin{array}{r} 71 \\ 59 \overline{) 4243} \\ \underline{4189} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$4243 \div 61 = 69 \text{ remainder } 34$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4243} \\ \underline{4209} \\ 34 \end{array} \leftarrow \text{remainder}$$

## **P<sub>583</sub> 4253**

$$4253 \div 2 = 2126 \text{ remainder } 1$$

$$\begin{array}{r} 2126 \\ 2 \overline{) 4253} \\ \underline{4252} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 3 = 1417 \text{ remainder } 2$$

$$\begin{array}{r} 1417 \\ 3 \overline{) 4253} \\ \underline{4251} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 5 = 850 \text{ remainder } 3$$

$$\begin{array}{r} 850 \\ 5 \overline{) 4253} \\ \underline{4250} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 7 = 607 \text{ remainder } 4$$

$$\begin{array}{r} 607 \\ 7 \overline{) 4253} \\ \underline{4249} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 11 = 386 \text{ remainder } 7$$

$$\begin{array}{r} 386 \\ 11 \overline{) 4253} \\ \underline{4246} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 13 = 327 \text{ remainder } 2$$

$$\begin{array}{r} 327 \\ 13 \overline{) 4253} \\ \underline{4251} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 17 = 250 \text{ remainder } 3$$

$$\begin{array}{r} 250 \\ 17 \overline{) 4253} \\ \underline{4250} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 19 = 223 \text{ remainder } 16$$

$$\begin{array}{r} 223 \\ 19 \overline{) 4253} \\ \underline{4237} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 23 = 184 \text{ remainder } 21$$

$$\begin{array}{r} 184 \\ 23 \overline{) 4253} \\ \underline{4232} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 29 = 146 \text{ remainder } 19$$

$$\begin{array}{r} 146 \\ 29 \overline{) 4253} \\ \underline{4234} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 31 = 137 \text{ remainder } 6$$

$$\begin{array}{r} 137 \\ 31 \overline{) 4253} \end{array}$$

$$\begin{array}{r} 4247 \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4253 \div 37 = 114 \text{ remainder } 35$$

$$\begin{array}{r} 114 \\ 37 \overline{) 4253} \\ \underline{4218} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4253 \div 41 = 103 \text{ remainder } 30$$

$$\begin{array}{r} 103 \\ 41 \overline{) 4253} \\ \underline{4223} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4253 \div 43 = 98 \text{ remainder } 39$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4253} \\ \underline{4214} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$4253 \div 47 = 90 \text{ remainder } 23$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4253} \\ \underline{4230} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4253 \div 53 = 80 \text{ remainder } 13$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4253} \\ \underline{4240} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4253 \div 59 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 59 \overline{) 4253} \\ \underline{4248} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4253 \div 61 = 69 \text{ remainder } 44$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4253} \\ \underline{4209} \\ 44 \end{array} \leftarrow \text{remainder}$$

## **P<sub>584</sub> 4259**

$$4259 \div 2 = 2129 \text{ remainder } 1$$

$$\begin{array}{r} 2129 \\ 2 \overline{) 4259} \\ \underline{4258} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4259 \div 3 = 1419 \text{ remainder } 2$$

$$\begin{array}{r} 1419 \\ 3 \overline{) 4259} \\ \underline{4257} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4259 \div 5 = 851 \text{ remainder } 4$$

$$\begin{array}{r} 851 \\ 5 \overline{) 4259} \\ \underline{4255} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4259 \div 7 = 608 \text{ remainder } 3$$

$$\begin{array}{r} 608 \\ 7 \overline{) 4259} \\ \underline{4256} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4259 \div 11 = 387 \text{ remainder } 2$$

$$\begin{array}{r} 387 \\ 11 \overline{) 4259} \\ \underline{4257} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4259 \div 13 = 327 \text{ remainder } 8$$

$$\begin{array}{r} 327 \\ 13 \overline{) 4259} \\ \underline{4251} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4259 \div 17 = 250 \text{ remainder } 9$$

$$\begin{array}{r} 250 \\ 17 \overline{) 4259} \\ \underline{4250} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4259 \div 19 = 224 \text{ remainder } 3$$

$$\begin{array}{r} 224 \\ 19 \overline{) 4259} \\ \underline{4256} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4259 \div 23 = 185 \text{ remainder } 4$$

$$\begin{array}{r} 185 \\ 23 \overline{) 4259} \\ \underline{4255} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4259 \div 29 = 146 \text{ remainder } 25$$

$$\begin{array}{r} 146 \\ 29 \overline{) 4259} \\ \underline{4234} \phantom{00} \\ 25 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4259 \div 31 = 137 \text{ remainder } 12$$

$$\begin{array}{r} 137 \\ 31 \overline{) 4259} \end{array}$$

$$\begin{array}{r} 4247 \\ - - - - \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4259 \div 37 = 115 \text{ remainder } 4$$

$$\begin{array}{r} 115 \\ 37 \overline{) 4259} \\ \underline{4255} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4259 \div 41 = 103 \text{ remainder } 36$$

$$\begin{array}{r} 103 \\ 41 \overline{) 4259} \\ \underline{4223} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4259 \div 43 = 99 \text{ remainder } 2$$

$$\begin{array}{r} 99 \\ 43 \overline{) 4259} \\ \underline{4257} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4259 \div 47 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4259} \\ \underline{4230} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4259 \div 53 = 80 \text{ remainder } 19$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4259} \\ \underline{4240} \\ 19 \leftarrow \text{remainder} \end{array}$$



$$4259 \div 59 = 72 \text{ remainder } 11$$

$$\begin{array}{r} 72 \\ 59 \overline{) 4259} \\ \underline{4248} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4259 \div 61 = 69 \text{ remainder } 50$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4259} \\ \underline{4209} \\ 50 \end{array} \leftarrow \text{remainder}$$

## **P<sub>585</sub> 4261**

$$4261 \div 2 = 2130 \text{ remainder } 1$$

$$\begin{array}{r} 2130 \\ 2 \overline{) 4261} \\ \underline{4260} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 3 = 1420 \text{ remainder } 1$$

$$\begin{array}{r} 1420 \\ 3 \overline{) 4261} \\ \underline{4260} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 5 = 852 \text{ remainder } 1$$

$$\begin{array}{r} 852 \\ 5 \overline{) 4261} \\ \underline{4260} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 7 = 608 \text{ remainder } 5$$

$$\begin{array}{r} 608 \\ 7 \overline{) 4261} \\ \underline{4256} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 11 = 387 \text{ remainder } 4$$

$$\begin{array}{r} 387 \\ 11 \overline{) 4261} \\ \underline{4257} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 13 = 327 \text{ remainder } 10$$

$$\begin{array}{r} 327 \\ 13 \overline{) 4261} \\ \underline{4251} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 17 = 250 \text{ remainder } 11$$

$$\begin{array}{r} 250 \\ 17 \overline{) 4261} \\ \underline{4250} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 19 = 224 \text{ remainder } 5$$

$$\begin{array}{r} 224 \\ 19 \overline{) 4261} \\ \underline{4256} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 23 = 185 \text{ remainder } 6$$

$$\begin{array}{r} 185 \\ 23 \overline{) 4261} \\ \underline{4255} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 29 = 146 \text{ remainder } 27$$

$$\begin{array}{r} 146 \\ 29 \overline{) 4261} \\ \underline{4234} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 31 = 137 \text{ remainder } 14$$

$$\begin{array}{r} 137 \\ 31 \overline{) 4261} \end{array}$$

$$\begin{array}{r} 4247 \\ - - - - \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4261 \div 37 = 115 \text{ remainder } 6$$

$$\begin{array}{r} 115 \\ 37 \overline{) 4261} \\ \underline{4255} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4261 \div 41 = 103 \text{ remainder } 38$$

$$\begin{array}{r} 103 \\ 41 \overline{) 4261} \\ \underline{4223} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4261 \div 43 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 43 \overline{) 4261} \\ \underline{4257} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4261 \div 47 = 90 \text{ remainder } 31$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4261} \\ \underline{4230} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4261 \div 53 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4261} \\ \underline{4240} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4261 \div 59 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 59 \overline{) 4261} \\ \underline{4248} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4261 \div 61 = 69 \text{ remainder } 52$$

$$\begin{array}{r} 69 \\ 61 \overline{) 4261} \\ \underline{4209} \\ 52 \end{array} \leftarrow \text{remainder}$$

## **P<sub>586</sub> 4271**

$$4271 \div 2 = 2135 \text{ remainder } 1$$

$$\begin{array}{r} 2135 \\ 2 \overline{) 4271} \\ \underline{4270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 3 = 1423 \text{ remainder } 2$$

$$\begin{array}{r} 1423 \\ 3 \overline{) 4271} \\ \underline{4269} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 5 = 854 \text{ remainder } 1$$

$$\begin{array}{r} 854 \\ 5 \overline{) 4271} \\ \underline{4270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 7 = 610 \text{ remainder } 1$$

$$\begin{array}{r} 610 \\ 7 \overline{) 4271} \\ \underline{4270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 11 = 388 \text{ remainder } 3$$

$$\begin{array}{r} 388 \\ 11 \overline{) 4271} \\ \underline{4268} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 13 = 328 \text{ remainder } 7$$

$$\begin{array}{r} 328 \\ 13 \overline{) 4271} \\ \underline{4264} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 17 = 251 \text{ remainder } 4$$

$$\begin{array}{r} 251 \\ 17 \overline{) 4271} \\ \underline{4267} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 19 = 224 \text{ remainder } 15$$

$$\begin{array}{r} 224 \\ 19 \overline{) 4271} \\ \underline{4256} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 23 = 185 \text{ remainder } 16$$

$$\begin{array}{r} 185 \\ 23 \overline{) 4271} \\ \underline{4255} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 29 = 147 \text{ remainder } 8$$

$$\begin{array}{r} 147 \\ 29 \overline{) 4271} \\ \underline{4263} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 31 = 137 \text{ remainder } 24$$

$$\begin{array}{r} 137 \\ 31 \overline{) 4271} \end{array}$$

$$\begin{array}{r} 4247 \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4271 \div 37 = 115 \text{ remainder } 16$$

$$\begin{array}{r} 115 \\ 37 \overline{) 4271} \\ \underline{4255} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4271 \div 41 = 104 \text{ remainder } 7$$

$$\begin{array}{r} 104 \\ 41 \overline{) 4271} \\ \underline{4264} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4271 \div 43 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 43 \overline{) 4271} \\ \underline{4257} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4271 \div 47 = 90 \text{ remainder } 41$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4271} \\ \underline{4230} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$4271 \div 53 = 80 \text{ remainder } 31$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4271} \\ \underline{4240} \\ 31 \leftarrow \text{remainder} \end{array}$$



$$4271 \div 59 = 72 \text{ remainder } 23$$

$$\begin{array}{r} 72 \\ 59 \overline{) 4271} \\ \underline{4248} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4271 \div 61 = 70 \text{ remainder } 1$$

$$\begin{array}{r} 70 \\ 61 \overline{) 4271} \\ \underline{4270} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>587</sub> 4273**

$$4273 \div 2 = 2136 \text{ remainder } 1$$

$$\begin{array}{r} 2136 \\ 2 \overline{) 4273} \\ \underline{4272} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4273 \div 3 = 1424 \text{ remainder } 1$$

$$\begin{array}{r} 1424 \\ 3 \overline{) 4273} \\ \underline{4272} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4273 \div 5 = 854 \text{ remainder } 3$$

$$\begin{array}{r} 854 \\ 5 \overline{) 4273} \\ \underline{4270} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4273 \div 7 = 610 \text{ remainder } 3$$

$$\begin{array}{r} 610 \\ 7 \overline{) 4273} \\ \underline{4270} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4273 \div 11 = 388 \text{ remainder } 5$$

$$\begin{array}{r} 388 \\ 11 \overline{) 4273} \\ \underline{4268} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4273 \div 13 = 328 \text{ remainder } 9$$

$$\begin{array}{r} 328 \\ 13 \overline{) 4273} \\ \underline{4264} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4273 \div 17 = 251 \text{ remainder } 6$$

$$\begin{array}{r} 251 \\ 17 \overline{) 4273} \\ \underline{4267} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4273 \div 19 = 224 \text{ remainder } 17$$

$$\begin{array}{r} 224 \\ 19 \overline{) 4273} \\ \underline{4256} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4273 \div 23 = 185 \text{ remainder } 18$$

$$\begin{array}{r} 185 \\ 23 \overline{) 4273} \\ \underline{4255} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4273 \div 29 = 147 \text{ remainder } 10$$

$$\begin{array}{r} 147 \\ 29 \overline{) 4273} \\ \underline{4263} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4273 \div 31 = 137 \text{ remainder } 26$$

$$\begin{array}{r} 137 \\ 31 \overline{) 4273} \end{array}$$

$$\begin{array}{r} 4247 \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4273 \div 37 = 115 \text{ remainder } 18$$

$$\begin{array}{r} 115 \\ 37 \overline{) 4273} \\ \underline{4255} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4273 \div 41 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 41 \overline{) 4273} \\ \underline{4264} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4273 \div 43 = 99 \text{ remainder } 16$$

$$\begin{array}{r} 99 \\ 43 \overline{) 4273} \\ \underline{4257} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4273 \div 47 = 90 \text{ remainder } 43$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4273} \\ \underline{4230} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$4273 \div 53 = 80 \text{ remainder } 33$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4273} \\ \underline{4240} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4273 \div 59 = 72 \text{ remainder } 25$$

$$\begin{array}{r} 72 \\ 59 \overline{) 4273} \\ \underline{4248} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$4273 \div 61 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 61 \overline{) 4273} \\ \underline{4270} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>588</sub> 4283**

$$4283 \div 2 = 2141 \text{ remainder } 1$$

$$\begin{array}{r} 2141 \\ 2 \overline{) 4283} \\ \underline{4282} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 3 = 1427 \text{ remainder } 2$$

$$\begin{array}{r} 1427 \\ 3 \overline{) 4283} \\ \underline{4281} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 5 = 856 \text{ remainder } 3$$

$$\begin{array}{r} 856 \\ 5 \overline{) 4283} \\ \underline{4280} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 7 = 611 \text{ remainder } 6$$

$$\begin{array}{r} 611 \\ 7 \overline{) 4283} \\ \underline{4277} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 11 = 389 \text{ remainder } 4$$

$$\begin{array}{r} 389 \\ 11 \overline{) 4283} \\ \underline{4279} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 13 = 329 \text{ remainder } 6$$

$$\begin{array}{r} 329 \\ 13 \overline{) 4283} \\ \underline{4277} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 17 = 251 \text{ remainder } 16$$

$$\begin{array}{r} 251 \\ 17 \overline{) 4283} \\ \underline{4267} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 19 = 225 \text{ remainder } 8$$

$$\begin{array}{r} 225 \\ 19 \overline{) 4283} \\ \underline{4275} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 23 = 186 \text{ remainder } 5$$

$$\begin{array}{r} 186 \\ 23 \overline{) 4283} \\ \underline{4278} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 29 = 147 \text{ remainder } 20$$

$$\begin{array}{r} 147 \\ 29 \overline{) 4283} \\ \underline{4263} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 31 = 138 \text{ remainder } 5$$

$$\begin{array}{r} 138 \\ 31 \overline{) 4283} \end{array}$$

4278

----

5 ← remainder

$$4283 \div 37 = 115 \text{ remainder } 28$$

$$\begin{array}{r} 115 \\ 37 \overline{) 4283} \\ \underline{4255} \end{array}$$

----

28 ← remainder

$$4283 \div 41 = 104 \text{ remainder } 19$$

$$\begin{array}{r} 104 \\ 41 \overline{) 4283} \\ \underline{4264} \end{array}$$

----

19 ← remainder

$$4283 \div 43 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 43 \overline{) 4283} \\ \underline{4257} \end{array}$$

----

26 ← remainder

$$4283 \div 47 = 91 \text{ remainder } 6$$

$$\begin{array}{r} 91 \\ 47 \overline{) 4283} \\ \underline{4277} \end{array}$$

----

6 ← remainder

$$4283 \div 53 = 80 \text{ remainder } 43$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4283} \\ \underline{4240} \end{array}$$

----

43 ← remainder



$$4283 \div 59 = 72 \text{ remainder } 35$$

$$\begin{array}{r} 72 \\ 59 \overline{) 4283} \\ \underline{4248} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$4283 \div 61 = 70 \text{ remainder } 13$$

$$\begin{array}{r} 70 \\ 61 \overline{) 4283} \\ \underline{4270} \\ 13 \end{array} \leftarrow \text{remainder}$$

## **P<sub>589</sub> 4289**

$$4289 \div 2 = 2144 \text{ remainder } 1$$

$$\begin{array}{r} 2144 \\ 2 \overline{) 4289} \\ \underline{4288} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 3 = 1429 \text{ remainder } 2$$

$$\begin{array}{r} 1429 \\ 3 \overline{) 4289} \\ \underline{4287} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 5 = 857 \text{ remainder } 4$$

$$\begin{array}{r} 857 \\ 5 \overline{) 4289} \\ \underline{4285} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 7 = 612 \text{ remainder } 5$$

$$\begin{array}{r} 612 \\ 7 \overline{) 4289} \\ \underline{4284} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 11 = 389 \text{ remainder } 10$$

$$\begin{array}{r} 389 \\ 11 \overline{) 4289} \\ \underline{4279} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 13 = 329 \text{ remainder } 12$$

$$\begin{array}{r} 329 \\ 13 \overline{) 4289} \\ \underline{4277} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 17 = 252 \text{ remainder } 5$$

$$\begin{array}{r} 252 \\ 17 \overline{) 4289} \\ \underline{4284} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 19 = 225 \text{ remainder } 14$$

$$\begin{array}{r} 225 \\ 19 \overline{) 4289} \\ \underline{4275} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 23 = 186 \text{ remainder } 11$$

$$\begin{array}{r} 186 \\ 23 \overline{) 4289} \\ \underline{4278} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 29 = 147 \text{ remainder } 26$$

$$\begin{array}{r} 147 \\ 29 \overline{) 4289} \\ \underline{4263} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 31 = 138 \text{ remainder } 11$$

$$\begin{array}{r} 138 \\ 31 \overline{) 4289} \end{array}$$

$$\begin{array}{r} 4278 \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4289 \div 37 = 115 \text{ remainder } 34$$

$$\begin{array}{r} 115 \\ 37 \overline{) 4289} \\ \underline{4255} \\ - - - - \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4289 \div 41 = 104 \text{ remainder } 25$$

$$\begin{array}{r} 104 \\ 41 \overline{) 4289} \\ \underline{4264} \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4289 \div 43 = 99 \text{ remainder } 32$$

$$\begin{array}{r} 99 \\ 43 \overline{) 4289} \\ \underline{4257} \\ - - - - \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4289 \div 47 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 47 \overline{) 4289} \\ \underline{4277} \\ - - - - \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4289 \div 53 = 80 \text{ remainder } 49$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4289} \\ \underline{4240} \\ - - - - \\ 49 \leftarrow \text{remainder} \end{array}$$

$$4289 \div 59 = 72 \text{ remainder } 41$$

$$\begin{array}{r} 72 \\ 59 \overline{) 4289} \\ \underline{4248} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$4289 \div 61 = 70 \text{ remainder } 19$$

$$\begin{array}{r} 70 \\ 61 \overline{) 4289} \\ \underline{4270} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>590</sub> 4297**

$$4297 \div 2 = 2148 \text{ remainder } 1$$

$$\begin{array}{r} 2148 \\ 2 \overline{) 4297} \\ \underline{4296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 3 = 1432 \text{ remainder } 1$$

$$\begin{array}{r} 1432 \\ 3 \overline{) 4297} \\ \underline{4296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 5 = 859 \text{ remainder } 2$$

$$\begin{array}{r} 859 \\ 5 \overline{) 4297} \\ \underline{4295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 7 = 613 \text{ remainder } 6$$

$$\begin{array}{r} 613 \\ 7 \overline{) 4297} \\ \underline{4291} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 11 = 390 \text{ remainder } 7$$

$$\begin{array}{r} 390 \\ 11 \overline{) 4297} \\ \underline{4290} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 13 = 330 \text{ remainder } 7$$

$$\begin{array}{r} 330 \\ 13 \overline{) 4297} \\ \underline{4290} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 17 = 252 \text{ remainder } 13$$

$$\begin{array}{r} 252 \\ 17 \overline{) 4297} \\ \underline{4284} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 19 = 226 \text{ remainder } 3$$

$$\begin{array}{r} 226 \\ 19 \overline{) 4297} \\ \underline{4294} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 23 = 186 \text{ remainder } 19$$

$$\begin{array}{r} 186 \\ 23 \overline{) 4297} \\ \underline{4278} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 29 = 148 \text{ remainder } 5$$

$$\begin{array}{r} 148 \\ 29 \overline{) 4297} \\ \underline{4292} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 31 = 138 \text{ remainder } 19$$

$$\begin{array}{r} 138 \\ 31 \overline{) 4297} \end{array}$$

4278  
 ----  
 19 ← remainder

$$4297 \div 37 = 116 \text{ remainder } 5$$

37 |  $\overline{4297}$   
 4292  
 ----  
 5 ← remainder

$$4297 \div 41 = 104 \text{ remainder } 33$$

41 |  $\overline{4297}$   
 4264  
 ----  
 33 ← remainder

$$4297 \div 43 = 99 \text{ remainder } 40$$

43 |  $\overline{4297}$   
 4257  
 ----  
 40 ← remainder

$$4297 \div 47 = 91 \text{ remainder } 20$$

47 |  $\overline{4297}$   
 4277  
 ----  
 20 ← remainder

$$4297 \div 53 = 81 \text{ remainder } 4$$

53 |  $\overline{4297}$   
 4293  
 ----  
 4 ← remainder



$$4297 \div 59 = 72 \text{ remainder } 49$$

$$\begin{array}{r} 72 \\ 59 \overline{) 4297} \\ \underline{4248} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$4297 \div 61 = 70 \text{ remainder } 27$$

$$\begin{array}{r} 70 \\ 61 \overline{) 4297} \\ \underline{4270} \\ 27 \end{array} \leftarrow \text{remainder}$$

## **P<sub>591</sub> 4327**

$$4327 \div 2 = 2163 \text{ remainder } 1$$

$$\begin{array}{r} 2163 \\ 2 \overline{) 4327} \\ \underline{4326} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 3 = 1442 \text{ remainder } 1$$

$$\begin{array}{r} 1442 \\ 3 \overline{) 4327} \\ \underline{4326} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 5 = 865 \text{ remainder } 2$$

$$\begin{array}{r} 865 \\ 5 \overline{) 4327} \\ \underline{4325} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 7 = 618 \text{ remainder } 1$$

$$\begin{array}{r} 618 \\ 7 \overline{) 4327} \\ \underline{4326} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 11 = 393 \text{ remainder } 4$$

$$\begin{array}{r} 393 \\ 11 \overline{) 4327} \\ \underline{4323} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 13 = 332 \text{ remainder } 11$$

$$\begin{array}{r} 332 \\ 13 \overline{) 4327} \\ \underline{4316} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 17 = 254 \text{ remainder } 9$$

$$\begin{array}{r} 254 \\ 17 \overline{) 4327} \\ \underline{4318} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 19 = 227 \text{ remainder } 14$$

$$\begin{array}{r} 227 \\ 19 \overline{) 4327} \\ \underline{4313} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 23 = 188 \text{ remainder } 3$$

$$\begin{array}{r} 188 \\ 23 \overline{) 4327} \\ \underline{4324} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 29 = 149 \text{ remainder } 6$$

$$\begin{array}{r} 149 \\ 29 \overline{) 4327} \\ \underline{4321} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 31 = 139 \text{ remainder } 18$$

$$\begin{array}{r} 139 \\ 31 \overline{) 4327} \end{array}$$

$$\begin{array}{r} 4309 \\ - - - - \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4327 \div 37 = 116 \text{ remainder } 35$$

$$\begin{array}{r} 116 \\ 37 \overline{) 4327} \\ \underline{4292} \\ - - - - \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4327 \div 41 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 41 \overline{) 4327} \\ \underline{4305} \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4327 \div 43 = 100 \text{ remainder } 27$$

$$\begin{array}{r} 100 \\ 43 \overline{) 4327} \\ \underline{4300} \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4327 \div 47 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 47 \overline{) 4327} \\ \underline{4324} \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4327 \div 53 = 81 \text{ remainder } 34$$

$$\begin{array}{r} 81 \\ 53 \overline{) 4327} \\ \underline{4293} \\ - - - - \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4327 \div 59 = 73 \text{ remainder } 20$$

$$\begin{array}{r} 73 \\ 59 \overline{) 4327} \\ \underline{4307} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$4327 \div 61 = 70 \text{ remainder } 57$$

$$\begin{array}{r} 70 \\ 61 \overline{) 4327} \\ \underline{4270} \\ 57 \end{array} \leftarrow \text{remainder}$$

## **P<sub>592</sub> 4337**

$$4337 \div 2 = 2168 \text{ remainder } 1$$

$$\begin{array}{r} 2168 \\ 2 \overline{) 4337} \\ \underline{4336} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 3 = 1445 \text{ remainder } 2$$

$$\begin{array}{r} 1445 \\ 3 \overline{) 4337} \\ \underline{4335} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 5 = 867 \text{ remainder } 2$$

$$\begin{array}{r} 867 \\ 5 \overline{) 4337} \\ \underline{4335} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 7 = 619 \text{ remainder } 4$$

$$\begin{array}{r} 619 \\ 7 \overline{) 4337} \\ \underline{4333} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 11 = 394 \text{ remainder } 3$$

$$\begin{array}{r} 394 \\ 11 \overline{) 4337} \\ \underline{4334} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 13 = 333 \text{ remainder } 8$$

$$\begin{array}{r} 333 \\ 13 \overline{) 4337} \\ \underline{4329} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 17 = 255 \text{ remainder } 2$$

$$\begin{array}{r} 255 \\ 17 \overline{) 4337} \\ \underline{4335} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 19 = 228 \text{ remainder } 5$$

$$\begin{array}{r} 228 \\ 19 \overline{) 4337} \\ \underline{4332} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 23 = 188 \text{ remainder } 13$$

$$\begin{array}{r} 188 \\ 23 \overline{) 4337} \\ \underline{4324} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 29 = 149 \text{ remainder } 16$$

$$\begin{array}{r} 149 \\ 29 \overline{) 4337} \\ \underline{4321} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 31 = 139 \text{ remainder } 28$$

$$\begin{array}{r} 139 \\ 31 \overline{) 4337} \end{array}$$

$$\begin{array}{r} 4309 \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4337 \div 37 = 117 \text{ remainder } 8$$

$$\begin{array}{r} 117 \\ 37 \overline{) 4337} \\ \underline{4329} \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4337 \div 41 = 105 \text{ remainder } 32$$

$$\begin{array}{r} 105 \\ 41 \overline{) 4337} \\ \underline{4305} \\ - - - - \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4337 \div 43 = 100 \text{ remainder } 37$$

$$\begin{array}{r} 100 \\ 43 \overline{) 4337} \\ \underline{4300} \\ - - - - \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4337 \div 47 = 92 \text{ remainder } 13$$

$$\begin{array}{r} 92 \\ 47 \overline{) 4337} \\ \underline{4324} \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4337 \div 53 = 81 \text{ remainder } 44$$

$$\begin{array}{r} 81 \\ 53 \overline{) 4337} \\ \underline{4293} \\ - - - - \\ 44 \leftarrow \text{remainder} \end{array}$$



$$4337 \div 59 = 73 \text{ remainder } 30$$

$$\begin{array}{r} 73 \\ 59 \overline{) 4337} \\ \underline{4307} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$4337 \div 61 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 61 \overline{) 4337} \\ \underline{4331} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>593</sub> 4339**

$$4339 \div 2 = 2169 \text{ remainder } 1$$

$$\begin{array}{r} 2169 \\ 2 \overline{) 4339} \\ \underline{4338} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 3 = 1446 \text{ remainder } 1$$

$$\begin{array}{r} 1446 \\ 3 \overline{) 4339} \\ \underline{4338} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 5 = 867 \text{ remainder } 4$$

$$\begin{array}{r} 867 \\ 5 \overline{) 4339} \\ \underline{4335} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 7 = 619 \text{ remainder } 6$$

$$\begin{array}{r} 619 \\ 7 \overline{) 4339} \\ \underline{4333} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 11 = 394 \text{ remainder } 5$$

$$\begin{array}{r} 394 \\ 11 \overline{) 4339} \\ \underline{4334} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 13 = 333 \text{ remainder } 10$$

$$\begin{array}{r} 333 \\ 13 \overline{) 4339} \\ \underline{4329} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 17 = 255 \text{ remainder } 4$$

$$\begin{array}{r} 255 \\ 17 \overline{) 4339} \\ \underline{4335} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 19 = 228 \text{ remainder } 7$$

$$\begin{array}{r} 228 \\ 19 \overline{) 4339} \\ \underline{4332} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 23 = 188 \text{ remainder } 15$$

$$\begin{array}{r} 188 \\ 23 \overline{) 4339} \\ \underline{4324} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 29 = 149 \text{ remainder } 18$$

$$\begin{array}{r} 149 \\ 29 \overline{) 4339} \\ \underline{4321} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 31 = 139 \text{ remainder } 30$$

$$\begin{array}{r} 139 \\ 31 \overline{) 4339} \end{array}$$

4309

----

30 ← remainder

$$4339 \div 37 = 117 \text{ remainder } 10$$

$$\begin{array}{r} 117 \\ 37 \overline{) 4339} \\ \underline{4329} \end{array}$$

----

10 ← remainder

$$4339 \div 41 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 41 \overline{) 4339} \\ \underline{4305} \end{array}$$

----

34 ← remainder

$$4339 \div 43 = 100 \text{ remainder } 39$$

$$\begin{array}{r} 100 \\ 43 \overline{) 4339} \\ \underline{4300} \end{array}$$

----

39 ← remainder

$$4339 \div 47 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 47 \overline{) 4339} \\ \underline{4324} \end{array}$$

----

15 ← remainder

$$4339 \div 53 = 81 \text{ remainder } 46$$

$$\begin{array}{r} 81 \\ 53 \overline{) 4339} \\ \underline{4293} \end{array}$$

----

46 ← remainder

$$4339 \div 59 = 73 \text{ remainder } 32$$

$$\begin{array}{r} 73 \\ 59 \overline{) 4339} \\ \underline{4307} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$4339 \div 61 = 71 \text{ remainder } 8$$

$$\begin{array}{r} 71 \\ 61 \overline{) 4339} \\ \underline{4331} \\ 8 \end{array} \leftarrow \text{remainder}$$

## **P<sub>594</sub> 4349**

$$4349 \div 2 = 2174 \text{ remainder } 1$$

$$\begin{array}{r} 2174 \\ 2 \overline{) 4349} \\ \underline{4348} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4349 \div 3 = 1449 \text{ remainder } 2$$

$$\begin{array}{r} 1449 \\ 3 \overline{) 4349} \\ \underline{4347} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4349 \div 5 = 869 \text{ remainder } 4$$

$$\begin{array}{r} 869 \\ 5 \overline{) 4349} \\ \underline{4345} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4349 \div 7 = 621 \text{ remainder } 2$$

$$\begin{array}{r} 621 \\ 7 \overline{) 4349} \\ \underline{4347} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4349 \div 11 = 395 \text{ remainder } 4$$

$$\begin{array}{r} 395 \\ 11 \overline{) 4349} \\ \underline{4345} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4349 \div 13 = 334 \text{ remainder } 7$$

$$\begin{array}{r} 334 \\ 13 \overline{) 4349} \\ \underline{4342} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4349 \div 17 = 255 \text{ remainder } 14$$

$$\begin{array}{r} 255 \\ 17 \overline{) 4349} \\ \underline{4335} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4349 \div 19 = 228 \text{ remainder } 17$$

$$\begin{array}{r} 228 \\ 19 \overline{) 4349} \\ \underline{4332} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4349 \div 23 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 23 \overline{) 4349} \\ \underline{4347} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4349 \div 29 = 149 \text{ remainder } 28$$

$$\begin{array}{r} 149 \\ 29 \overline{) 4349} \\ \underline{4321} \phantom{00} \\ 28 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4349 \div 31 = 140 \text{ remainder } 9$$

$$\begin{array}{r} 140 \\ 31 \overline{) 4349} \end{array}$$

$$\begin{array}{r} 4340 \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4349 \div 37 = 117 \text{ remainder } 20$$

$$\begin{array}{r} 117 \\ 37 \overline{) 4349} \\ \underline{4329} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4349 \div 41 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 41 \overline{) 4349} \\ \underline{4346} \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4349 \div 43 = 101 \text{ remainder } 6$$

$$\begin{array}{r} 101 \\ 43 \overline{) 4349} \\ \underline{4343} \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4349 \div 47 = 92 \text{ remainder } 25$$

$$\begin{array}{r} 92 \\ 47 \overline{) 4349} \\ \underline{4324} \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4349 \div 53 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 53 \overline{) 4349} \\ \underline{4346} \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$



$$4349 \div 59 = 73 \text{ remainder } 42$$

$$\begin{array}{r} 73 \\ 59 \overline{) 4349} \\ \underline{4307} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$4349 \div 61 = 71 \text{ remainder } 18$$

$$\begin{array}{r} 71 \\ 61 \overline{) 4349} \\ \underline{4331} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>595</sub> 4357**

$$4357 \div 2 = 2178 \text{ remainder } 1$$

$$\begin{array}{r} 2178 \\ 2 \overline{) 4357} \\ \underline{4356} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 3 = 1452 \text{ remainder } 1$$

$$\begin{array}{r} 1452 \\ 3 \overline{) 4357} \\ \underline{4356} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 5 = 871 \text{ remainder } 2$$

$$\begin{array}{r} 871 \\ 5 \overline{) 4357} \\ \underline{4355} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 7 = 622 \text{ remainder } 3$$

$$\begin{array}{r} 622 \\ 7 \overline{) 4357} \\ \underline{4354} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 11 = 396 \text{ remainder } 1$$

$$\begin{array}{r} 396 \\ 11 \overline{) 4357} \\ \underline{4356} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 13 = 335 \text{ remainder } 2$$

$$\begin{array}{r} 335 \\ 13 \overline{) 4357} \\ \underline{4355} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 17 = 256 \text{ remainder } 5$$

$$\begin{array}{r} 256 \\ 17 \overline{) 4357} \\ \underline{4352} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 19 = 229 \text{ remainder } 6$$

$$\begin{array}{r} 229 \\ 19 \overline{) 4357} \\ \underline{4351} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 23 = 189 \text{ remainder } 10$$

$$\begin{array}{r} 189 \\ 23 \overline{) 4357} \\ \underline{4347} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 29 = 150 \text{ remainder } 7$$

$$\begin{array}{r} 150 \\ 29 \overline{) 4357} \\ \underline{4350} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 31 = 140 \text{ remainder } 17$$

$$\begin{array}{r} 140 \\ 31 \overline{) 4357} \end{array}$$

$$\begin{array}{r} 4340 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4357 \div 37 = 117 \text{ remainder } 28$$

$$\begin{array}{r} 117 \\ 37 \overline{) 4357} \\ \underline{4329} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4357 \div 41 = 106 \text{ remainder } 11$$

$$\begin{array}{r} 106 \\ 41 \overline{) 4357} \\ \underline{4346} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4357 \div 43 = 101 \text{ remainder } 14$$

$$\begin{array}{r} 101 \\ 43 \overline{) 4357} \\ \underline{4343} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4357 \div 47 = 92 \text{ remainder } 33$$

$$\begin{array}{r} 92 \\ 47 \overline{) 4357} \\ \underline{4324} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4357 \div 53 = 82 \text{ remainder } 11$$

$$\begin{array}{r} 82 \\ 53 \overline{) 4357} \\ \underline{4346} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4357 \div 59 = 73 \text{ remainder } 50$$

$$\begin{array}{r} 73 \\ 59 \overline{) 4357} \\ \underline{4307} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$4357 \div 61 = 71 \text{ remainder } 26$$

$$\begin{array}{r} 71 \\ 61 \overline{) 4357} \\ \underline{4331} \\ 26 \end{array} \leftarrow \text{remainder}$$

## **P<sub>596</sub> 4363**

$$4363 \div 2 = 2181 \text{ remainder } 1$$

$$\begin{array}{r} 2181 \\ 2 \overline{) 4363} \\ \underline{4362} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 3 = 1454 \text{ remainder } 1$$

$$\begin{array}{r} 1454 \\ 3 \overline{) 4363} \\ \underline{4362} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 5 = 872 \text{ remainder } 3$$

$$\begin{array}{r} 872 \\ 5 \overline{) 4363} \\ \underline{4360} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 7 = 623 \text{ remainder } 2$$

$$\begin{array}{r} 623 \\ 7 \overline{) 4363} \\ \underline{4361} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 11 = 396 \text{ remainder } 7$$

$$\begin{array}{r} 396 \\ 11 \overline{) 4363} \\ \underline{4356} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 13 = 335 \text{ remainder } 8$$

$$\begin{array}{r} 335 \\ 13 \overline{) 4363} \\ \underline{4355} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 17 = 256 \text{ remainder } 11$$

$$\begin{array}{r} 256 \\ 17 \overline{) 4363} \\ \underline{4352} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 19 = 229 \text{ remainder } 12$$

$$\begin{array}{r} 229 \\ 19 \overline{) 4363} \\ \underline{4351} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 23 = 189 \text{ remainder } 16$$

$$\begin{array}{r} 189 \\ 23 \overline{) 4363} \\ \underline{4347} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 29 = 150 \text{ remainder } 13$$

$$\begin{array}{r} 150 \\ 29 \overline{) 4363} \\ \underline{4350} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 31 = 140 \text{ remainder } 23$$

$$\begin{array}{r} 140 \\ 31 \overline{) 4363} \end{array}$$

$$\begin{array}{r} 4340 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4363 \div 37 = 117 \text{ remainder } 34$$

$$\begin{array}{r} 117 \\ 37 \overline{) 4363} \\ \underline{4329} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4363 \div 41 = 106 \text{ remainder } 17$$

$$\begin{array}{r} 106 \\ 41 \overline{) 4363} \\ \underline{4346} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4363 \div 43 = 101 \text{ remainder } 20$$

$$\begin{array}{r} 101 \\ 43 \overline{) 4363} \\ \underline{4343} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4363 \div 47 = 92 \text{ remainder } 39$$

$$\begin{array}{r} 92 \\ 47 \overline{) 4363} \\ \underline{4324} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$4363 \div 53 = 82 \text{ remainder } 17$$

$$\begin{array}{r} 82 \\ 53 \overline{) 4363} \\ \underline{4346} \\ 17 \leftarrow \text{remainder} \end{array}$$



$$4363 \div 59 = 73 \text{ remainder } 56$$

$$\begin{array}{r} 73 \\ 59 \overline{) 4363} \\ \underline{4307} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$4363 \div 61 = 71 \text{ remainder } 32$$

$$\begin{array}{r} 71 \\ 61 \overline{) 4363} \\ \underline{4331} \\ 32 \end{array} \leftarrow \text{remainder}$$

## **P<sub>597</sub> 4373**

$$4373 \div 2 = 2186 \text{ remainder } 1$$

$$\begin{array}{r} 2186 \\ 2 \overline{) 4373} \\ \underline{4372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 3 = 1457 \text{ remainder } 2$$

$$\begin{array}{r} 1457 \\ 3 \overline{) 4373} \\ \underline{4371} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 5 = 874 \text{ remainder } 3$$

$$\begin{array}{r} 874 \\ 5 \overline{) 4373} \\ \underline{4370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 7 = 624 \text{ remainder } 5$$

$$\begin{array}{r} 624 \\ 7 \overline{) 4373} \\ \underline{4368} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 11 = 397 \text{ remainder } 6$$

$$\begin{array}{r} 397 \\ 11 \overline{) 4373} \\ \underline{4367} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 13 = 336 \text{ remainder } 5$$

$$\begin{array}{r} 336 \\ 13 \overline{) 4373} \\ \underline{4368} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 17 = 257 \text{ remainder } 4$$

$$\begin{array}{r} 257 \\ 17 \overline{) 4373} \\ \underline{4369} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 19 = 230 \text{ remainder } 3$$

$$\begin{array}{r} 230 \\ 19 \overline{) 4373} \\ \underline{4370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 23 = 190 \text{ remainder } 3$$

$$\begin{array}{r} 190 \\ 23 \overline{) 4373} \\ \underline{4370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 29 = 150 \text{ remainder } 23$$

$$\begin{array}{r} 150 \\ 29 \overline{) 4373} \\ \underline{4350} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 31 = 141 \text{ remainder } 2$$

$$\begin{array}{r} 141 \\ 31 \overline{) 4373} \end{array}$$

$$\begin{array}{r} 4371 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4373 \div 37 = 118 \text{ remainder } 7$$

$$\begin{array}{r} 118 \\ 37 \overline{) 4373} \\ \underline{4366} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4373 \div 41 = 106 \text{ remainder } 27$$

$$\begin{array}{r} 106 \\ 41 \overline{) 4373} \\ \underline{4346} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4373 \div 43 = 101 \text{ remainder } 30$$

$$\begin{array}{r} 101 \\ 43 \overline{) 4373} \\ \underline{4343} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4373 \div 47 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 47 \overline{) 4373} \\ \underline{4371} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4373 \div 53 = 82 \text{ remainder } 27$$

$$\begin{array}{r} 82 \\ 53 \overline{) 4373} \\ \underline{4346} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4373 \div 59 = 74 \text{ remainder } 7$$

$$\begin{array}{r} 74 \\ 59 \overline{) 4373} \\ \underline{4366} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4373 \div 61 = 71 \text{ remainder } 42$$

$$\begin{array}{r} 71 \\ 61 \overline{) 4373} \\ \underline{4331} \\ 42 \end{array} \leftarrow \text{remainder}$$

## **P<sub>598</sub> 4391**

$$4391 \div 2 = 2195 \text{ remainder } 1$$

$$\begin{array}{r} 2195 \\ 2 \overline{) 4391} \\ \underline{4390} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 3 = 1463 \text{ remainder } 2$$

$$\begin{array}{r} 1463 \\ 3 \overline{) 4391} \\ \underline{4389} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 5 = 878 \text{ remainder } 1$$

$$\begin{array}{r} 878 \\ 5 \overline{) 4391} \\ \underline{4390} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 7 = 627 \text{ remainder } 2$$

$$\begin{array}{r} 627 \\ 7 \overline{) 4391} \\ \underline{4389} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 11 = 399 \text{ remainder } 2$$

$$\begin{array}{r} 399 \\ 11 \overline{) 4391} \\ \underline{4389} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 13 = 337 \text{ remainder } 10$$

$$\begin{array}{r} 337 \\ 13 \overline{) 4391} \\ \underline{4381} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 17 = 258 \text{ remainder } 5$$

$$\begin{array}{r} 258 \\ 17 \overline{) 4391} \\ \underline{4386} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 19 = 231 \text{ remainder } 2$$

$$\begin{array}{r} 231 \\ 19 \overline{) 4391} \\ \underline{4389} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 23 = 190 \text{ remainder } 21$$

$$\begin{array}{r} 190 \\ 23 \overline{) 4391} \\ \underline{4370} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 29 = 151 \text{ remainder } 12$$

$$\begin{array}{r} 151 \\ 29 \overline{) 4391} \\ \underline{4379} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 31 = 141 \text{ remainder } 20$$

$$\begin{array}{r} 141 \\ 31 \overline{) 4391} \end{array}$$

$$\begin{array}{r} 4371 \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4391 \div 37 = 118 \text{ remainder } 25$$

$$\begin{array}{r} 118 \\ 37 \overline{) 4391} \\ \underline{4366} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4391 \div 41 = 107 \text{ remainder } 4$$

$$\begin{array}{r} 107 \\ 41 \overline{) 4391} \\ \underline{4387} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4391 \div 43 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 43 \overline{) 4391} \\ \underline{4386} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4391 \div 47 = 93 \text{ remainder } 20$$

$$\begin{array}{r} 93 \\ 47 \overline{) 4391} \\ \underline{4371} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4391 \div 53 = 82 \text{ remainder } 45$$

$$\begin{array}{r} 82 \\ 53 \overline{) 4391} \\ \underline{4346} \\ 45 \leftarrow \text{remainder} \end{array}$$



$$4391 \div 59 = 74 \text{ remainder } 25$$

$$\begin{array}{r} 74 \\ 59 \overline{) 4391} \\ \underline{4366} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$4391 \div 61 = 71 \text{ remainder } 60$$

$$\begin{array}{r} 71 \\ 61 \overline{) 4391} \\ \underline{4331} \\ 60 \end{array} \leftarrow \text{remainder}$$

## **P<sub>599</sub> 4397**

$$4397 \div 2 = 2198 \text{ remainder } 1$$

$$\begin{array}{r} 2198 \\ 2 \overline{) 4397} \\ \underline{4396} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 3 = 1465 \text{ remainder } 2$$

$$\begin{array}{r} 1465 \\ 3 \overline{) 4397} \\ \underline{4395} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 5 = 879 \text{ remainder } 2$$

$$\begin{array}{r} 879 \\ 5 \overline{) 4397} \\ \underline{4395} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 7 = 628 \text{ remainder } 1$$

$$\begin{array}{r} 628 \\ 7 \overline{) 4397} \\ \underline{4396} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 11 = 399 \text{ remainder } 8$$

$$\begin{array}{r} 399 \\ 11 \overline{) 4397} \\ \underline{4389} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 13 = 338 \text{ remainder } 3$$

$$\begin{array}{r} 338 \\ 13 \overline{) 4397} \\ \underline{4394} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 17 = 258 \text{ remainder } 11$$

$$\begin{array}{r} 258 \\ 17 \overline{) 4397} \\ \underline{4386} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 19 = 231 \text{ remainder } 8$$

$$\begin{array}{r} 231 \\ 19 \overline{) 4397} \\ \underline{4389} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 23 = 191 \text{ remainder } 4$$

$$\begin{array}{r} 191 \\ 23 \overline{) 4397} \\ \underline{4393} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 29 = 151 \text{ remainder } 18$$

$$\begin{array}{r} 151 \\ 29 \overline{) 4397} \\ \underline{4379} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 31 = 141 \text{ remainder } 26$$

$$\begin{array}{r} 141 \\ 31 \overline{) 4397} \end{array}$$

$$\begin{array}{r} 4371 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4397 \div 37 = 118 \text{ remainder } 31$$

$$\begin{array}{r} 118 \\ 37 \overline{) 4397} \\ \underline{4366} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4397 \div 41 = 107 \text{ remainder } 10$$

$$\begin{array}{r} 107 \\ 41 \overline{) 4397} \\ \underline{4387} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4397 \div 43 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 43 \overline{) 4397} \\ \underline{4386} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4397 \div 47 = 93 \text{ remainder } 26$$

$$\begin{array}{r} 93 \\ 47 \overline{) 4397} \\ \underline{4371} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4397 \div 53 = 82 \text{ remainder } 51$$

$$\begin{array}{r} 82 \\ 53 \overline{) 4397} \\ \underline{4346} \\ \text{----} \\ 51 \leftarrow \text{remainder} \end{array}$$

$$4397 \div 59 = 74 \text{ remainder } 31$$

$$\begin{array}{r} 74 \\ 59 \overline{) 4397} \\ \underline{4366} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$4397 \div 61 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 61 \overline{) 4397} \\ \underline{4392} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>600</sub> 4409**

$$4409 \div 2 = 2204 \text{ remainder } 1$$

$$\begin{array}{r} 2204 \\ 2 \overline{) 4409} \\ \underline{4408} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 3 = 1469 \text{ remainder } 2$$

$$\begin{array}{r} 1469 \\ 3 \overline{) 4409} \\ \underline{4407} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 5 = 881 \text{ remainder } 4$$

$$\begin{array}{r} 881 \\ 5 \overline{) 4409} \\ \underline{4405} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 7 = 629 \text{ remainder } 6$$

$$\begin{array}{r} 629 \\ 7 \overline{) 4409} \\ \underline{4403} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 11 = 400 \text{ remainder } 9$$

$$\begin{array}{r} 400 \\ 11 \overline{) 4409} \\ \underline{4400} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 13 = 339 \text{ remainder } 2$$

$$\begin{array}{r} 339 \\ 13 \overline{) 4409} \\ \underline{4407} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 17 = 259 \text{ remainder } 6$$

$$\begin{array}{r} 259 \\ 17 \overline{) 4409} \\ \underline{4403} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 19 = 232 \text{ remainder } 1$$

$$\begin{array}{r} 232 \\ 19 \overline{) 4409} \\ \underline{4408} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 23 = 191 \text{ remainder } 16$$

$$\begin{array}{r} 191 \\ 23 \overline{) 4409} \\ \underline{4393} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 29 = 152 \text{ remainder } 1$$

$$\begin{array}{r} 152 \\ 29 \overline{) 4409} \\ \underline{4408} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 31 = 142 \text{ remainder } 7$$

$$\begin{array}{r} 142 \\ 31 \overline{) 4409} \end{array}$$

$$\begin{array}{r} 4402 \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4409 \div 37 = 119 \text{ remainder } 6$$

$$\begin{array}{r} 119 \\ 37 \overline{) 4409} \\ \underline{4403} \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4409 \div 41 = 107 \text{ remainder } 22$$

$$\begin{array}{r} 107 \\ 41 \overline{) 4409} \\ \underline{4387} \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4409 \div 43 = 102 \text{ remainder } 23$$

$$\begin{array}{r} 102 \\ 43 \overline{) 4409} \\ \underline{4386} \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4409 \div 47 = 93 \text{ remainder } 38$$

$$\begin{array}{r} 93 \\ 47 \overline{) 4409} \\ \underline{4371} \\ - - - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4409 \div 53 = 83 \text{ remainder } 10$$

$$\begin{array}{r} 83 \\ 53 \overline{) 4409} \\ \underline{4399} \\ - - - - \\ 10 \leftarrow \text{remainder} \end{array}$$



$$4409 \div 59 = 74 \text{ remainder } 43$$

$$\begin{array}{r} 74 \\ 59 \overline{) 4409} \\ \underline{4366} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$4409 \div 61 = 72 \text{ remainder } 17$$

$$\begin{array}{r} 72 \\ 61 \overline{) 4409} \\ \underline{4392} \\ 17 \end{array} \leftarrow \text{remainder}$$

## **P<sub>601</sub> 4421**

$$4421 \div 2 = 2210 \text{ remainder } 1$$

$$\begin{array}{r} 2210 \\ 2 \overline{) 4421} \\ \underline{4420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 3 = 1473 \text{ remainder } 2$$

$$\begin{array}{r} 1473 \\ 3 \overline{) 4421} \\ \underline{4419} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 5 = 884 \text{ remainder } 1$$

$$\begin{array}{r} 884 \\ 5 \overline{) 4421} \\ \underline{4420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 7 = 631 \text{ remainder } 4$$

$$\begin{array}{r} 631 \\ 7 \overline{) 4421} \\ \underline{4417} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 11 = 401 \text{ remainder } 10$$

$$\begin{array}{r} 401 \\ 11 \overline{) 4421} \\ \underline{4411} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 13 = 340 \text{ remainder } 1$$

$$\begin{array}{r} 340 \\ 13 \overline{) 4421} \\ \underline{4420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 17 = 260 \text{ remainder } 1$$

$$\begin{array}{r} 260 \\ 17 \overline{) 4421} \\ \underline{4420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 19 = 232 \text{ remainder } 13$$

$$\begin{array}{r} 232 \\ 19 \overline{) 4421} \\ \underline{4408} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 23 = 192 \text{ remainder } 5$$

$$\begin{array}{r} 192 \\ 23 \overline{) 4421} \\ \underline{4416} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 29 = 152 \text{ remainder } 13$$

$$\begin{array}{r} 152 \\ 29 \overline{) 4421} \\ \underline{4408} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 31 = 142 \text{ remainder } 19$$

$$\begin{array}{r} 142 \\ 31 \overline{) 4421} \end{array}$$

$$\begin{array}{r} 4402 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$4421 \div 37 = 119 \text{ remainder } 18$$

$$\begin{array}{r} 119 \\ 37 \overline{) 4421} \\ \underline{4403} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4421 \div 41 = 107 \text{ remainder } 34$$

$$\begin{array}{r} 107 \\ 41 \overline{) 4421} \\ \underline{4387} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4421 \div 43 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 43 \overline{) 4421} \\ \underline{4386} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4421 \div 47 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 47 \overline{) 4421} \\ \underline{4418} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4421 \div 53 = 83 \text{ remainder } 22$$

$$\begin{array}{r} 83 \\ 53 \overline{) 4421} \\ \underline{4399} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4421 \div 59 = 74 \text{ remainder } 55$$

$$\begin{array}{r} 74 \\ 59 \overline{) 4421} \\ \underline{4366} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$4421 \div 61 = 72 \text{ remainder } 29$$

$$\begin{array}{r} 72 \\ 61 \overline{) 4421} \\ \underline{4392} \\ 29 \end{array} \leftarrow \text{remainder}$$

## **P<sub>602</sub> 4423**

$$4423 \div 2 = 2211 \text{ remainder } 1$$

$$\begin{array}{r} 2211 \\ 2 \overline{) 4423} \\ \underline{4422} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4423 \div 3 = 1474 \text{ remainder } 1$$

$$\begin{array}{r} 1474 \\ 3 \overline{) 4423} \\ \underline{4422} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4423 \div 5 = 884 \text{ remainder } 3$$

$$\begin{array}{r} 884 \\ 5 \overline{) 4423} \\ \underline{4420} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4423 \div 7 = 631 \text{ remainder } 6$$

$$\begin{array}{r} 631 \\ 7 \overline{) 4423} \\ \underline{4417} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4423 \div 11 = 402 \text{ remainder } 1$$

$$\begin{array}{r} 402 \\ 11 \overline{) 4423} \\ \underline{4422} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4423 \div 13 = 340 \text{ remainder } 3$$

$$\begin{array}{r} 340 \\ 13 \overline{) 4423} \\ \underline{4420} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4423 \div 17 = 260 \text{ remainder } 3$$

$$\begin{array}{r} 260 \\ 17 \overline{) 4423} \\ \underline{4420} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4423 \div 19 = 232 \text{ remainder } 15$$

$$\begin{array}{r} 232 \\ 19 \overline{) 4423} \\ \underline{4408} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4423 \div 23 = 192 \text{ remainder } 7$$

$$\begin{array}{r} 192 \\ 23 \overline{) 4423} \\ \underline{4416} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4423 \div 29 = 152 \text{ remainder } 15$$

$$\begin{array}{r} 152 \\ 29 \overline{) 4423} \\ \underline{4408} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4423 \div 31 = 142 \text{ remainder } 21$$

$$\begin{array}{r} 142 \\ 31 \overline{) 4423} \end{array}$$

$$\begin{array}{r} 4402 \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4423 \div 37 = 119 \text{ remainder } 20$$

$$\begin{array}{r} 119 \\ 37 \overline{) 4423} \\ \underline{4403} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4423 \div 41 = 107 \text{ remainder } 36$$

$$\begin{array}{r} 107 \\ 41 \overline{) 4423} \\ \underline{4387} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4423 \div 43 = 102 \text{ remainder } 37$$

$$\begin{array}{r} 102 \\ 43 \overline{) 4423} \\ \underline{4386} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4423 \div 47 = 94 \text{ remainder } 5$$

$$\begin{array}{r} 94 \\ 47 \overline{) 4423} \\ \underline{4418} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4423 \div 53 = 83 \text{ remainder } 24$$

$$\begin{array}{r} 83 \\ 53 \overline{) 4423} \\ \underline{4399} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$



$$4423 \div 59 = 74 \text{ remainder } 57$$

$$\begin{array}{r} 74 \\ 59 \overline{) 4423} \\ \underline{4366} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$4423 \div 61 = 72 \text{ remainder } 31$$

$$\begin{array}{r} 72 \\ 61 \overline{) 4423} \\ \underline{4392} \\ 31 \end{array} \leftarrow \text{remainder}$$

## **P<sub>603</sub> 4441**

$$4441 \div 2 = 2220 \text{ remainder } 1$$

$$\begin{array}{r} 2220 \\ 2 \overline{) 4441} \\ \underline{4440} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 3 = 1480 \text{ remainder } 1$$

$$\begin{array}{r} 1480 \\ 3 \overline{) 4441} \\ \underline{4440} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 5 = 888 \text{ remainder } 1$$

$$\begin{array}{r} 888 \\ 5 \overline{) 4441} \\ \underline{4440} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 7 = 634 \text{ remainder } 3$$

$$\begin{array}{r} 634 \\ 7 \overline{) 4441} \\ \underline{4438} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 11 = 403 \text{ remainder } 8$$

$$\begin{array}{r} 403 \\ 11 \overline{) 4441} \\ \underline{4433} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 13 = 341 \text{ remainder } 8$$

$$\begin{array}{r} 341 \\ 13 \overline{) 4441} \\ \underline{4433} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 17 = 261 \text{ remainder } 4$$

$$\begin{array}{r} 261 \\ 17 \overline{) 4441} \\ \underline{4437} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 19 = 233 \text{ remainder } 14$$

$$\begin{array}{r} 233 \\ 19 \overline{) 4441} \\ \underline{4427} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 23 = 193 \text{ remainder } 2$$

$$\begin{array}{r} 193 \\ 23 \overline{) 4441} \\ \underline{4439} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 29 = 153 \text{ remainder } 4$$

$$\begin{array}{r} 153 \\ 29 \overline{) 4441} \\ \underline{4437} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 31 = 143 \text{ remainder } 8$$

$$\begin{array}{r} 143 \\ 31 \overline{) 4441} \end{array}$$

4433

----

8 ← remainder

$$4441 \div 37 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 37 \overline{) 4441} \\ \underline{4440} \end{array}$$

----

1 ← remainder

$$4441 \div 41 = 108 \text{ remainder } 13$$

$$\begin{array}{r} 108 \\ 41 \overline{) 4441} \\ \underline{4428} \end{array}$$

----

13 ← remainder

$$4441 \div 43 = 103 \text{ remainder } 12$$

$$\begin{array}{r} 103 \\ 43 \overline{) 4441} \\ \underline{4429} \end{array}$$

----

12 ← remainder

$$4441 \div 47 = 94 \text{ remainder } 23$$

$$\begin{array}{r} 94 \\ 47 \overline{) 4441} \\ \underline{4418} \end{array}$$

----

23 ← remainder

$$4441 \div 53 = 83 \text{ remainder } 42$$

$$\begin{array}{r} 83 \\ 53 \overline{) 4441} \\ \underline{4399} \end{array}$$

----

42 ← remainder

$$4441 \div 59 = 75 \text{ remainder } 16$$

$$\begin{array}{r} 75 \\ 59 \overline{) 4441} \\ \underline{4425} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4441 \div 61 = 72 \text{ remainder } 49$$

$$\begin{array}{r} 72 \\ 61 \overline{) 4441} \\ \underline{4392} \\ 49 \end{array} \leftarrow \text{remainder}$$

## **P<sub>604</sub> 4447**

$$4447 \div 2 = 2223 \text{ remainder } 1$$

$$\begin{array}{r} 2223 \\ 2 \overline{) 4447} \\ \underline{4446} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 3 = 1482 \text{ remainder } 1$$

$$\begin{array}{r} 1482 \\ 3 \overline{) 4447} \\ \underline{4446} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 5 = 889 \text{ remainder } 2$$

$$\begin{array}{r} 889 \\ 5 \overline{) 4447} \\ \underline{4445} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 7 = 635 \text{ remainder } 2$$

$$\begin{array}{r} 635 \\ 7 \overline{) 4447} \\ \underline{4445} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 11 = 404 \text{ remainder } 3$$

$$\begin{array}{r} 404 \\ 11 \overline{) 4447} \\ \underline{4444} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 13 = 342 \text{ remainder } 1$$

$$\begin{array}{r} 342 \\ 13 \overline{) 4447} \\ \underline{4446} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 17 = 261 \text{ remainder } 10$$

$$\begin{array}{r} 261 \\ 17 \overline{) 4447} \\ \underline{4437} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 19 = 234 \text{ remainder } 1$$

$$\begin{array}{r} 234 \\ 19 \overline{) 4447} \\ \underline{4446} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 23 = 193 \text{ remainder } 8$$

$$\begin{array}{r} 193 \\ 23 \overline{) 4447} \\ \underline{4439} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 29 = 153 \text{ remainder } 10$$

$$\begin{array}{r} 153 \\ 29 \overline{) 4447} \\ \underline{4437} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 31 = 143 \text{ remainder } 14$$

$$\begin{array}{r} 143 \\ 31 \overline{) 4447} \end{array}$$

$$\begin{array}{r} 4433 \\ - - - - \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4447 \div 37 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 37 \overline{) 4447} \\ \underline{4440} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4447 \div 41 = 108 \text{ remainder } 19$$

$$\begin{array}{r} 108 \\ 41 \overline{) 4447} \\ \underline{4428} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$4447 \div 43 = 103 \text{ remainder } 18$$

$$\begin{array}{r} 103 \\ 43 \overline{) 4447} \\ \underline{4429} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4447 \div 47 = 94 \text{ remainder } 29$$

$$\begin{array}{r} 94 \\ 47 \overline{) 4447} \\ \underline{4418} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4447 \div 53 = 83 \text{ remainder } 48$$

$$\begin{array}{r} 83 \\ 53 \overline{) 4447} \\ \underline{4399} \\ 48 \leftarrow \text{remainder} \end{array}$$



$$4447 \div 59 = 75 \text{ remainder } 22$$

$$\begin{array}{r} 75 \\ 59 \overline{) 4447} \\ \underline{4425} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4447 \div 61 = 72 \text{ remainder } 55$$

$$\begin{array}{r} 72 \\ 61 \overline{) 4447} \\ \underline{4392} \\ 55 \end{array} \leftarrow \text{remainder}$$

## **P<sub>605</sub> 4451**

$$4451 \div 2 = 2225 \text{ remainder } 1$$

$$\begin{array}{r} 2225 \\ 2 \overline{) 4451} \\ \underline{4450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 3 = 1483 \text{ remainder } 2$$

$$\begin{array}{r} 1483 \\ 3 \overline{) 4451} \\ \underline{4449} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 5 = 890 \text{ remainder } 1$$

$$\begin{array}{r} 890 \\ 5 \overline{) 4451} \\ \underline{4450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 7 = 635 \text{ remainder } 6$$

$$\begin{array}{r} 635 \\ 7 \overline{) 4451} \\ \underline{4445} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 11 = 404 \text{ remainder } 7$$

$$\begin{array}{r} 404 \\ 11 \overline{) 4451} \\ \underline{4444} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 13 = 342 \text{ remainder } 5$$

$$\begin{array}{r} 342 \\ 13 \overline{) 4451} \\ \underline{4446} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 17 = 261 \text{ remainder } 14$$

$$\begin{array}{r} 261 \\ 17 \overline{) 4451} \\ \underline{4437} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 19 = 234 \text{ remainder } 5$$

$$\begin{array}{r} 234 \\ 19 \overline{) 4451} \\ \underline{4446} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 23 = 193 \text{ remainder } 12$$

$$\begin{array}{r} 193 \\ 23 \overline{) 4451} \\ \underline{4439} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 29 = 153 \text{ remainder } 14$$

$$\begin{array}{r} 153 \\ 29 \overline{) 4451} \\ \underline{4437} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 31 = 143 \text{ remainder } 18$$

$$\begin{array}{r} 143 \\ 31 \overline{) 4451} \end{array}$$

$$\begin{array}{r} 4433 \\ - - - - \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4451 \div 37 = 120 \text{ remainder } 11$$

$$\begin{array}{r} 120 \\ 37 \overline{) 4451} \\ \underline{4440} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4451 \div 41 = 108 \text{ remainder } 23$$

$$\begin{array}{r} 108 \\ 41 \overline{) 4451} \\ \underline{4428} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4451 \div 43 = 103 \text{ remainder } 22$$

$$\begin{array}{r} 103 \\ 43 \overline{) 4451} \\ \underline{4429} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4451 \div 47 = 94 \text{ remainder } 33$$

$$\begin{array}{r} 94 \\ 47 \overline{) 4451} \\ \underline{4418} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4451 \div 53 = 83 \text{ remainder } 52$$

$$\begin{array}{r} 83 \\ 53 \overline{) 4451} \\ \underline{4399} \\ 52 \leftarrow \text{remainder} \end{array}$$

$$4451 \div 59 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 59 \overline{) 4451} \\ \underline{4425} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4451 \div 61 = 72 \text{ remainder } 59$$

$$\begin{array}{r} 72 \\ 61 \overline{) 4451} \\ \underline{4392} \\ 59 \end{array} \leftarrow \text{remainder}$$

## **P<sub>606</sub> 4457**

$$4457 \div 2 = 2228 \text{ remainder } 1$$

$$\begin{array}{r} 2228 \\ 2 \overline{) 4457} \\ \underline{4456} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 3 = 1485 \text{ remainder } 2$$

$$\begin{array}{r} 1485 \\ 3 \overline{) 4457} \\ \underline{4455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 5 = 891 \text{ remainder } 2$$

$$\begin{array}{r} 891 \\ 5 \overline{) 4457} \\ \underline{4455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 7 = 636 \text{ remainder } 5$$

$$\begin{array}{r} 636 \\ 7 \overline{) 4457} \\ \underline{4452} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 11 = 405 \text{ remainder } 2$$

$$\begin{array}{r} 405 \\ 11 \overline{) 4457} \\ \underline{4455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 13 = 342 \text{ remainder } 11$$

$$\begin{array}{r} 342 \\ 13 \overline{) 4457} \\ \underline{4446} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 17 = 262 \text{ remainder } 3$$

$$\begin{array}{r} 262 \\ 17 \overline{) 4457} \\ \underline{4454} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 19 = 234 \text{ remainder } 11$$

$$\begin{array}{r} 234 \\ 19 \overline{) 4457} \\ \underline{4446} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 23 = 193 \text{ remainder } 18$$

$$\begin{array}{r} 193 \\ 23 \overline{) 4457} \\ \underline{4439} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 29 = 153 \text{ remainder } 20$$

$$\begin{array}{r} 153 \\ 29 \overline{) 4457} \\ \underline{4437} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 31 = 143 \text{ remainder } 24$$

$$\begin{array}{r} 143 \\ 31 \overline{) 4457} \end{array}$$

$$\begin{array}{r} 4433 \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4457 \div 37 = 120 \text{ remainder } 17$$

$$\begin{array}{r} 120 \\ 37 \overline{) 4457} \\ \underline{4440} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4457 \div 41 = 108 \text{ remainder } 29$$

$$\begin{array}{r} 108 \\ 41 \overline{) 4457} \\ \underline{4428} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4457 \div 43 = 103 \text{ remainder } 28$$

$$\begin{array}{r} 103 \\ 43 \overline{) 4457} \\ \underline{4429} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4457 \div 47 = 94 \text{ remainder } 39$$

$$\begin{array}{r} 94 \\ 47 \overline{) 4457} \\ \underline{4418} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$4457 \div 53 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 53 \overline{) 4457} \\ \underline{4452} \\ 5 \leftarrow \text{remainder} \end{array}$$



$$4457 \div 59 = 75 \text{ remainder } 32$$

$$\begin{array}{r} 75 \\ 59 \overline{) 4457} \\ \underline{4425} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$4457 \div 61 = 73 \text{ remainder } 4$$

$$\begin{array}{r} 73 \\ 61 \overline{) 4457} \\ \underline{4453} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>607</sub> 4463**

$$4463 \div 2 = 2231 \text{ remainder } 1$$

$$\begin{array}{r} 2231 \\ 2 \overline{) 4463} \\ \underline{4462} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 3 = 1487 \text{ remainder } 2$$

$$\begin{array}{r} 1487 \\ 3 \overline{) 4463} \\ \underline{4461} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 5 = 892 \text{ remainder } 3$$

$$\begin{array}{r} 892 \\ 5 \overline{) 4463} \\ \underline{4460} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 7 = 637 \text{ remainder } 4$$

$$\begin{array}{r} 637 \\ 7 \overline{) 4463} \\ \underline{4459} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 11 = 405 \text{ remainder } 8$$

$$\begin{array}{r} 405 \\ 11 \overline{) 4463} \\ \underline{4455} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 13 = 343 \text{ remainder } 4$$

$$\begin{array}{r} 343 \\ 13 \overline{) 4463} \\ \underline{4459} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 17 = 262 \text{ remainder } 9$$

$$\begin{array}{r} 262 \\ 17 \overline{) 4463} \\ \underline{4454} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 19 = 234 \text{ remainder } 17$$

$$\begin{array}{r} 234 \\ 19 \overline{) 4463} \\ \underline{4446} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 23 = 194 \text{ remainder } 1$$

$$\begin{array}{r} 194 \\ 23 \overline{) 4463} \\ \underline{4462} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 29 = 153 \text{ remainder } 26$$

$$\begin{array}{r} 153 \\ 29 \overline{) 4463} \\ \underline{4437} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 31 = 143 \text{ remainder } 30$$

$$\begin{array}{r} 143 \\ 31 \overline{) 4463} \end{array}$$

$$\begin{array}{r} 4433 \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4463 \div 37 = 120 \text{ remainder } 23$$

$$\begin{array}{r} 120 \\ 37 \overline{) 4463} \\ \underline{4440} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4463 \div 41 = 108 \text{ remainder } 35$$

$$\begin{array}{r} 108 \\ 41 \overline{) 4463} \\ \underline{4428} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4463 \div 43 = 103 \text{ remainder } 34$$

$$\begin{array}{r} 103 \\ 43 \overline{) 4463} \\ \underline{4429} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4463 \div 47 = 94 \text{ remainder } 45$$

$$\begin{array}{r} 94 \\ 47 \overline{) 4463} \\ \underline{4418} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$4463 \div 53 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 53 \overline{) 4463} \\ \underline{4452} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4463 \div 59 = 75 \text{ remainder } 38$$

$$\begin{array}{r} 75 \\ 59 \overline{) 4463} \\ \underline{4425} \phantom{00} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$4463 \div 61 = 73 \text{ remainder } 10$$

$$\begin{array}{r} 73 \\ 61 \overline{) 4463} \\ \underline{4453} \phantom{00} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>608</sub> 4481**

$$4481 \div 2 = 2240 \text{ remainder } 1$$

$$\begin{array}{r} 2240 \\ 2 \overline{) 4481} \\ \underline{4480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4481 \div 3 = 1493 \text{ remainder } 2$$

$$\begin{array}{r} 1493 \\ 3 \overline{) 4481} \\ \underline{4479} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4481 \div 5 = 896 \text{ remainder } 1$$

$$\begin{array}{r} 896 \\ 5 \overline{) 4481} \\ \underline{4480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4481 \div 7 = 640 \text{ remainder } 1$$

$$\begin{array}{r} 640 \\ 7 \overline{) 4481} \\ \underline{4480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4481 \div 11 = 407 \text{ remainder } 4$$

$$\begin{array}{r} 407 \\ 11 \overline{) 4481} \\ \underline{4477} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4481 \div 13 = 344 \text{ remainder } 9$$

$$\begin{array}{r} 344 \\ 13 \overline{) 4481} \\ \underline{4472} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4481 \div 17 = 263 \text{ remainder } 10$$

$$\begin{array}{r} 263 \\ 17 \overline{) 4481} \\ \underline{4471} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4481 \div 19 = 235 \text{ remainder } 16$$

$$\begin{array}{r} 235 \\ 19 \overline{) 4481} \\ \underline{4465} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4481 \div 23 = 194 \text{ remainder } 19$$

$$\begin{array}{r} 194 \\ 23 \overline{) 4481} \\ \underline{4462} \phantom{00} \\ 19 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4481 \div 29 = 154 \text{ remainder } 15$$

$$\begin{array}{r} 154 \\ 29 \overline{) 4481} \\ \underline{4466} \phantom{00} \\ 15 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4481 \div 31 = 144 \text{ remainder } 17$$

$$\begin{array}{r} 144 \\ 31 \overline{) 4481} \end{array}$$

$$\begin{array}{r} 4464 \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4481 \div 37 = 121 \text{ remainder } 4$$

$$\begin{array}{r} 121 \\ 37 \overline{) 4481} \\ \underline{4477} \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4481 \div 41 = 109 \text{ remainder } 12$$

$$\begin{array}{r} 109 \\ 41 \overline{) 4481} \\ \underline{4469} \\ - - - - \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4481 \div 43 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 43 \overline{) 4481} \\ \underline{4472} \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4481 \div 47 = 95 \text{ remainder } 16$$

$$\begin{array}{r} 95 \\ 47 \overline{) 4481} \\ \underline{4465} \\ - - - - \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4481 \div 53 = 84 \text{ remainder } 29$$

$$\begin{array}{r} 84 \\ 53 \overline{) 4481} \\ \underline{4452} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$



$$4481 \div 59 = 75 \text{ remainder } 56$$

$$\begin{array}{r} 75 \\ 59 \overline{) 4481} \\ \underline{4425} \phantom{00} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$4481 \div 61 = 73 \text{ remainder } 28$$

$$\begin{array}{r} 73 \\ 61 \overline{) 4481} \\ \underline{4453} \phantom{00} \\ 28 \end{array} \leftarrow \text{remainder}$$

## **P<sub>609</sub> 4483**

$$4483 \div 2 = 2241 \text{ remainder } 1$$

$$\begin{array}{r} 2241 \\ 2 \overline{) 4483} \\ \underline{4482} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4483 \div 3 = 1494 \text{ remainder } 1$$

$$\begin{array}{r} 1494 \\ 3 \overline{) 4483} \\ \underline{4482} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4483 \div 5 = 896 \text{ remainder } 3$$

$$\begin{array}{r} 896 \\ 5 \overline{) 4483} \\ \underline{4480} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4483 \div 7 = 640 \text{ remainder } 3$$

$$\begin{array}{r} 640 \\ 7 \overline{) 4483} \\ \underline{4480} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4483 \div 11 = 407 \text{ remainder } 6$$

$$\begin{array}{r} 407 \\ 11 \overline{) 4483} \\ \underline{4477} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4483 \div 13 = 344 \text{ remainder } 11$$

$$\begin{array}{r} 344 \\ 13 \overline{) 4483} \\ \underline{4472} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4483 \div 17 = 263 \text{ remainder } 12$$

$$\begin{array}{r} 263 \\ 17 \overline{) 4483} \\ \underline{4471} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4483 \div 19 = 235 \text{ remainder } 18$$

$$\begin{array}{r} 235 \\ 19 \overline{) 4483} \\ \underline{4465} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4483 \div 23 = 194 \text{ remainder } 21$$

$$\begin{array}{r} 194 \\ 23 \overline{) 4483} \\ \underline{4462} \phantom{00} \\ 21 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4483 \div 29 = 154 \text{ remainder } 17$$

$$\begin{array}{r} 154 \\ 29 \overline{) 4483} \\ \underline{4466} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4483 \div 31 = 144 \text{ remainder } 19$$

$$\begin{array}{r} 144 \\ 31 \overline{) 4483} \end{array}$$

4464  
 ----  
 19 ← remainder

$$4483 \div 37 = 121 \text{ remainder } 6$$

121  
 37 | 4483  
 4477  
 ----  
 6 ← remainder

$$4483 \div 41 = 109 \text{ remainder } 14$$

109  
 41 | 4483  
 4469  
 ----  
 14 ← remainder

$$4483 \div 43 = 104 \text{ remainder } 11$$

104  
 43 | 4483  
 4472  
 ----  
 11 ← remainder

$$4483 \div 47 = 95 \text{ remainder } 18$$

95  
 47 | 4483  
 4465  
 ----  
 18 ← remainder

$$4483 \div 53 = 84 \text{ remainder } 31$$

84  
 53 | 4483  
 4452  
 ----  
 31 ← remainder

$$4483 \div 59 = 75 \text{ remainder } 58$$

$$\begin{array}{r} 75 \\ 59 \overline{) 4483} \\ \underline{4425} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$4483 \div 61 = 73 \text{ remainder } 30$$

$$\begin{array}{r} 73 \\ 61 \overline{) 4483} \\ \underline{4453} \\ 30 \end{array} \leftarrow \text{remainder}$$

## **P<sub>610</sub> 4493**

$$4493 \div 2 = 2246 \text{ remainder } 1$$

$$\begin{array}{r} 2246 \\ 2 \overline{) 4493} \\ \underline{4492} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 3 = 1497 \text{ remainder } 2$$

$$\begin{array}{r} 1497 \\ 3 \overline{) 4493} \\ \underline{4491} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 5 = 898 \text{ remainder } 3$$

$$\begin{array}{r} 898 \\ 5 \overline{) 4493} \\ \underline{4490} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 7 = 641 \text{ remainder } 6$$

$$\begin{array}{r} 641 \\ 7 \overline{) 4493} \\ \underline{4487} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 11 = 408 \text{ remainder } 5$$

$$\begin{array}{r} 408 \\ 11 \overline{) 4493} \\ \underline{4488} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 13 = 345 \text{ remainder } 8$$

$$\begin{array}{r} 345 \\ 13 \overline{) 4493} \\ \underline{4485} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 17 = 264 \text{ remainder } 5$$

$$\begin{array}{r} 264 \\ 17 \overline{) 4493} \\ \underline{4488} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 19 = 236 \text{ remainder } 9$$

$$\begin{array}{r} 236 \\ 19 \overline{) 4493} \\ \underline{4484} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 23 = 195 \text{ remainder } 8$$

$$\begin{array}{r} 195 \\ 23 \overline{) 4493} \\ \underline{4485} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 29 = 154 \text{ remainder } 27$$

$$\begin{array}{r} 154 \\ 29 \overline{) 4493} \\ \underline{4466} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$4493 \div 31 = 144 \text{ remainder } 29$$

$$\begin{array}{r} 144 \\ 31 \overline{) 4493} \end{array}$$

$$\begin{array}{r} 4464 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4493 \div 37 = 121 \text{ remainder } 16$$

$$\begin{array}{r} 121 \\ 37 \overline{) 4493} \\ \underline{4477} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4493 \div 41 = 109 \text{ remainder } 24$$

$$\begin{array}{r} 109 \\ 41 \overline{) 4493} \\ \underline{4469} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4493 \div 43 = 104 \text{ remainder } 21$$

$$\begin{array}{r} 104 \\ 43 \overline{) 4493} \\ \underline{4472} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4493 \div 47 = 95 \text{ remainder } 28$$

$$\begin{array}{r} 95 \\ 47 \overline{) 4493} \\ \underline{4465} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4493 \div 53 = 84 \text{ remainder } 41$$

$$\begin{array}{r} 84 \\ 53 \overline{) 4493} \\ \underline{4452} \\ 41 \leftarrow \text{remainder} \end{array}$$



$$4493 \div 59 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 59 \overline{) 4493} \\ \underline{4484} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4493 \div 61 = 73 \text{ remainder } 40$$

$$\begin{array}{r} 73 \\ 61 \overline{) 4493} \\ \underline{4453} \phantom{00} \\ 40 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4493 \div 67 = 67 \text{ remainder } 4$$

$$\begin{array}{r} 67 \\ 67 \overline{) 4493} \\ \underline{4489} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>611</sub> 4507**

$$4507 \div 2 = 2253 \text{ remainder } 1$$

$$\begin{array}{r} 2253 \\ 2 \overline{) 4507} \\ \underline{4506} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 3 = 1502 \text{ remainder } 1$$

$$\begin{array}{r} 1502 \\ 3 \overline{) 4507} \\ \underline{4506} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 5 = 901 \text{ remainder } 2$$

$$\begin{array}{r} 901 \\ 5 \overline{) 4507} \\ \underline{4505} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 7 = 643 \text{ remainder } 6$$

$$\begin{array}{r} 643 \\ 7 \overline{) 4507} \\ \underline{4501} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 11 = 409 \text{ remainder } 8$$

$$\begin{array}{r} 409 \\ 11 \overline{) 4507} \\ \underline{4499} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 13 = 346 \text{ remainder } 9$$

$$\begin{array}{r} 346 \\ 13 \overline{) 4507} \\ \underline{4498} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 17 = 265 \text{ remainder } 2$$

$$\begin{array}{r} 265 \\ 17 \overline{) 4507} \\ \underline{4505} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 19 = 237 \text{ remainder } 4$$

$$\begin{array}{r} 237 \\ 19 \overline{) 4507} \\ \underline{4503} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 23 = 195 \text{ remainder } 22$$

$$\begin{array}{r} 195 \\ 23 \overline{) 4507} \\ \underline{4485} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 29 = 155 \text{ remainder } 12$$

$$\begin{array}{r} 155 \\ 29 \overline{) 4507} \\ \underline{4495} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 31 = 145 \text{ remainder } 12$$

$$\begin{array}{r} 145 \\ 31 \overline{) 4507} \end{array}$$

$$\begin{array}{r} 4495 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4507 \div 37 = 121 \text{ remainder } 30$$

$$\begin{array}{r} 121 \\ 37 \overline{) 4507} \\ \underline{4477} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4507 \div 41 = 109 \text{ remainder } 38$$

$$\begin{array}{r} 109 \\ 41 \overline{) 4507} \\ \underline{4469} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4507 \div 43 = 104 \text{ remainder } 35$$

$$\begin{array}{r} 104 \\ 43 \overline{) 4507} \\ \underline{4472} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4507 \div 47 = 95 \text{ remainder } 42$$

$$\begin{array}{r} 95 \\ 47 \overline{) 4507} \\ \underline{4465} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$4507 \div 53 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 53 \overline{) 4507} \\ \underline{4505} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4507 \div 59 = 76 \text{ remainder } 23$$

$$\begin{array}{r} 76 \\ 59 \overline{) 4507} \\ \underline{4484} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 61 = 73 \text{ remainder } 54$$

$$\begin{array}{r} 73 \\ 61 \overline{) 4507} \\ \underline{4453} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$4507 \div 67 = 67 \text{ remainder } 18$$

$$\begin{array}{r} 67 \\ 67 \overline{) 4507} \\ \underline{4489} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>612</sub> 4513**

$$4513 \div 2 = 2256 \text{ remainder } 1$$

$$\begin{array}{r} 2256 \\ 2 \overline{) 4513} \\ \underline{4512} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 3 = 1504 \text{ remainder } 1$$

$$\begin{array}{r} 1504 \\ 3 \overline{) 4513} \\ \underline{4512} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 5 = 902 \text{ remainder } 3$$

$$\begin{array}{r} 902 \\ 5 \overline{) 4513} \\ \underline{4510} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 7 = 644 \text{ remainder } 5$$

$$\begin{array}{r} 644 \\ 7 \overline{) 4513} \\ \underline{4508} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 11 = 410 \text{ remainder } 3$$

$$\begin{array}{r} 410 \\ 11 \overline{) 4513} \\ \underline{4510} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 13 = 347 \text{ remainder } 2$$

$$\begin{array}{r} 347 \\ 13 \overline{) 4513} \\ \underline{4511} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 17 = 265 \text{ remainder } 8$$

$$\begin{array}{r} 265 \\ 17 \overline{) 4513} \\ \underline{4505} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 19 = 237 \text{ remainder } 10$$

$$\begin{array}{r} 237 \\ 19 \overline{) 4513} \\ \underline{4503} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 23 = 196 \text{ remainder } 5$$

$$\begin{array}{r} 196 \\ 23 \overline{) 4513} \\ \underline{4508} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 29 = 155 \text{ remainder } 18$$

$$\begin{array}{r} 155 \\ 29 \overline{) 4513} \\ \underline{4495} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 31 = 145 \text{ remainder } 18$$

$$\begin{array}{r} 145 \\ 31 \overline{) 4513} \end{array}$$

$$\begin{array}{r}
 4495 \\
 \text{----} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$4513 \div 37 = 121 \text{ remainder } 36$$

$$\begin{array}{r}
 121 \\
 37 \overline{) 4513} \\
 \underline{4477} \phantom{00} \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$4513 \div 41 = 110 \text{ remainder } 3$$

$$\begin{array}{r}
 110 \\
 41 \overline{) 4513} \\
 \underline{4510} \phantom{00} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$4513 \div 43 = 104 \text{ remainder } 41$$

$$\begin{array}{r}
 104 \\
 43 \overline{) 4513} \\
 \underline{4472} \phantom{00} \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$4513 \div 47 = 96 \text{ remainder } 1$$

$$\begin{array}{r}
 96 \\
 47 \overline{) 4513} \\
 \underline{4512} \phantom{00} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$4513 \div 53 = 85 \text{ remainder } 8$$

$$\begin{array}{r}
 85 \\
 53 \overline{) 4513} \\
 \underline{4505} \phantom{00} \\
 8 \leftarrow \text{remainder}
 \end{array}$$



$$4513 \div 59 = 76 \text{ remainder } 29$$

$$\begin{array}{r} 76 \\ 59 \overline{) 4513} \\ \underline{4484} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 61 = 73 \text{ remainder } 60$$

$$\begin{array}{r} 73 \\ 61 \overline{) 4513} \\ \underline{4453} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$4513 \div 67 = 67 \text{ remainder } 24$$

$$\begin{array}{r} 67 \\ 67 \overline{) 4513} \\ \underline{4489} \\ 24 \end{array} \leftarrow \text{remainder}$$

## **P<sub>613</sub> 4517**

$$4517 \div 2 = 2258 \text{ remainder } 1$$

$$\begin{array}{r} 2258 \\ 2 \overline{) 4517} \\ \underline{4516} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 3 = 1505 \text{ remainder } 2$$

$$\begin{array}{r} 1505 \\ 3 \overline{) 4517} \\ \underline{4515} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 5 = 903 \text{ remainder } 2$$

$$\begin{array}{r} 903 \\ 5 \overline{) 4517} \\ \underline{4515} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 7 = 645 \text{ remainder } 2$$

$$\begin{array}{r} 645 \\ 7 \overline{) 4517} \\ \underline{4515} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 11 = 410 \text{ remainder } 7$$

$$\begin{array}{r} 410 \\ 11 \overline{) 4517} \\ \underline{4510} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 13 = 347 \text{ remainder } 6$$

$$\begin{array}{r} 347 \\ 13 \overline{) 4517} \\ \underline{4511} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 17 = 265 \text{ remainder } 12$$

$$\begin{array}{r} 265 \\ 17 \overline{) 4517} \\ \underline{4505} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 19 = 237 \text{ remainder } 14$$

$$\begin{array}{r} 237 \\ 19 \overline{) 4517} \\ \underline{4503} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 23 = 196 \text{ remainder } 9$$

$$\begin{array}{r} 196 \\ 23 \overline{) 4517} \\ \underline{4508} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 29 = 155 \text{ remainder } 22$$

$$\begin{array}{r} 155 \\ 29 \overline{) 4517} \\ \underline{4495} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 31 = 145 \text{ remainder } 22$$

$$\begin{array}{r} 145 \\ 31 \overline{) 4517} \end{array}$$

$$\begin{array}{r} 4495 \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4517 \div 37 = 122 \text{ remainder } 3$$

$$\begin{array}{r} 122 \\ 37 \overline{) 4517} \\ \underline{4514} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4517 \div 41 = 110 \text{ remainder } 7$$

$$\begin{array}{r} 110 \\ 41 \overline{) 4517} \\ \underline{4510} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4517 \div 43 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 43 \overline{) 4517} \\ \underline{4515} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4517 \div 47 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 47 \overline{) 4517} \\ \underline{4512} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4517 \div 53 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 53 \overline{) 4517} \\ \underline{4505} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4517 \div 59 = 76 \text{ remainder } 33$$

$$\begin{array}{r} 76 \\ 59 \overline{) 4517} \\ \underline{4484} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 61 = 74 \text{ remainder } 3$$

$$\begin{array}{r} 74 \\ 61 \overline{) 4517} \\ \underline{4514} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4517 \div 67 = 67 \text{ remainder } 28$$

$$\begin{array}{r} 67 \\ 67 \overline{) 4517} \\ \underline{4489} \\ 28 \end{array} \leftarrow \text{remainder}$$

## **P<sub>614</sub> 4519**

$$4519 \div 2 = 2259 \text{ remainder } 1$$

$$\begin{array}{r} 2259 \\ 2 \overline{) 4519} \\ \underline{4518} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4519 \div 3 = 1506 \text{ remainder } 1$$

$$\begin{array}{r} 1506 \\ 3 \overline{) 4519} \\ \underline{4518} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4519 \div 5 = 903 \text{ remainder } 4$$

$$\begin{array}{r} 903 \\ 5 \overline{) 4519} \\ \underline{4515} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4519 \div 7 = 645 \text{ remainder } 4$$

$$\begin{array}{r} 645 \\ 7 \overline{) 4519} \\ \underline{4515} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4519 \div 11 = 410 \text{ remainder } 9$$

$$\begin{array}{r} 410 \\ 11 \overline{) 4519} \\ \underline{4510} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4519 \div 13 = 347 \text{ remainder } 8$$

$$\begin{array}{r} 347 \\ 13 \overline{) 4519} \\ \underline{4511} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 17 = 265 \text{ remainder } 14$$

$$\begin{array}{r} 265 \\ 17 \overline{) 4519} \\ \underline{4505} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 19 = 237 \text{ remainder } 16$$

$$\begin{array}{r} 237 \\ 19 \overline{) 4519} \\ \underline{4503} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 23 = 196 \text{ remainder } 11$$

$$\begin{array}{r} 196 \\ 23 \overline{) 4519} \\ \underline{4508} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 29 = 155 \text{ remainder } 24$$

$$\begin{array}{r} 155 \\ 29 \overline{) 4519} \\ \underline{4495} \phantom{00} \\ 24 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 31 = 145 \text{ remainder } 24$$

$$\begin{array}{r} 145 \\ 31 \overline{) 4519} \end{array}$$

$$\begin{array}{r} 4495 \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4519 \div 37 = 122 \text{ remainder } 5$$

$$\begin{array}{r} 122 \\ 37 \overline{) 4519} \\ \underline{4514} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 41 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 41 \overline{) 4519} \\ \underline{4510} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 43 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 43 \overline{) 4519} \\ \underline{4515} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 47 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 47 \overline{) 4519} \\ \underline{4512} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4519 \div 53 = 85 \text{ remainder } 14$$

$$\begin{array}{r} 85 \\ 53 \overline{) 4519} \\ \underline{4505} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$



$$4519 \div 59 = 76 \text{ remainder } 35$$

$$\begin{array}{r} 76 \\ 59 \overline{) 4519} \\ \underline{4484} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$4519 \div 61 = 74 \text{ remainder } 5$$

$$\begin{array}{r} 74 \\ 61 \overline{) 4519} \\ \underline{4514} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4519 \div 67 = 67 \text{ remainder } 30$$

$$\begin{array}{r} 67 \\ 67 \overline{) 4519} \\ \underline{4489} \\ 30 \end{array} \leftarrow \text{remainder}$$

## **P<sub>615</sub> 4523**

$$4523 \div 2 = 2261 \text{ remainder } 1$$

$$\begin{array}{r} 2261 \\ 2 \overline{) 4523} \\ \underline{4522} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 3 = 1507 \text{ remainder } 2$$

$$\begin{array}{r} 1507 \\ 3 \overline{) 4523} \\ \underline{4521} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 5 = 904 \text{ remainder } 3$$

$$\begin{array}{r} 904 \\ 5 \overline{) 4523} \\ \underline{4520} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 7 = 646 \text{ remainder } 1$$

$$\begin{array}{r} 646 \\ 7 \overline{) 4523} \\ \underline{4522} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 11 = 411 \text{ remainder } 2$$

$$\begin{array}{r} 411 \\ 11 \overline{) 4523} \\ \underline{4521} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 13 = 347 \text{ remainder } 12$$

$$\begin{array}{r} 347 \\ 13 \overline{) 4523} \\ \underline{4511} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 17 = 266 \text{ remainder } 1$$

$$\begin{array}{r} 266 \\ 17 \overline{) 4523} \\ \underline{4522} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 19 = 238 \text{ remainder } 1$$

$$\begin{array}{r} 238 \\ 19 \overline{) 4523} \\ \underline{4522} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 23 = 196 \text{ remainder } 15$$

$$\begin{array}{r} 196 \\ 23 \overline{) 4523} \\ \underline{4508} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 29 = 155 \text{ remainder } 28$$

$$\begin{array}{r} 155 \\ 29 \overline{) 4523} \\ \underline{4495} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 31 = 145 \text{ remainder } 28$$

$$\begin{array}{r} 145 \\ 31 \overline{) 4523} \end{array}$$

$$\begin{array}{r} 4495 \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4523 \div 37 = 122 \text{ remainder } 9$$

$$\begin{array}{r} 122 \\ 37 \overline{) 4523} \\ \underline{4514} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4523 \div 41 = 110 \text{ remainder } 13$$

$$\begin{array}{r} 110 \\ 41 \overline{) 4523} \\ \underline{4510} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4523 \div 43 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 43 \overline{) 4523} \\ \underline{4515} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4523 \div 47 = 96 \text{ remainder } 11$$

$$\begin{array}{r} 96 \\ 47 \overline{) 4523} \\ \underline{4512} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4523 \div 53 = 85 \text{ remainder } 18$$

$$\begin{array}{r} 85 \\ 53 \overline{) 4523} \\ \underline{4505} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4523 \div 59 = 76 \text{ remainder } 39$$

$$\begin{array}{r} 76 \\ 59 \overline{) 4523} \\ \underline{4484} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 61 = 74 \text{ remainder } 9$$

$$\begin{array}{r} 74 \\ 61 \overline{) 4523} \\ \underline{4514} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4523 \div 67 = 67 \text{ remainder } 34$$

$$\begin{array}{r} 67 \\ 67 \overline{) 4523} \\ \underline{4489} \\ 34 \end{array} \leftarrow \text{remainder}$$

## **P<sub>616</sub> 4547**

$$4547 \div 2 = 2273 \text{ remainder } 1$$

$$\begin{array}{r} 2273 \\ 2 \overline{) 4547} \\ \underline{4546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 3 = 1515 \text{ remainder } 2$$

$$\begin{array}{r} 1515 \\ 3 \overline{) 4547} \\ \underline{4545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 5 = 909 \text{ remainder } 2$$

$$\begin{array}{r} 909 \\ 5 \overline{) 4547} \\ \underline{4545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 7 = 649 \text{ remainder } 4$$

$$\begin{array}{r} 649 \\ 7 \overline{) 4547} \\ \underline{4543} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 11 = 413 \text{ remainder } 4$$

$$\begin{array}{r} 413 \\ 11 \overline{) 4547} \\ \underline{4543} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 13 = 349 \text{ remainder } 10$$

$$\begin{array}{r} 349 \\ 13 \overline{) 4547} \\ \underline{4537} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 17 = 267 \text{ remainder } 8$$

$$\begin{array}{r} 267 \\ 17 \overline{) 4547} \\ \underline{4539} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 19 = 239 \text{ remainder } 6$$

$$\begin{array}{r} 239 \\ 19 \overline{) 4547} \\ \underline{4541} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 23 = 197 \text{ remainder } 16$$

$$\begin{array}{r} 197 \\ 23 \overline{) 4547} \\ \underline{4531} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 29 = 156 \text{ remainder } 23$$

$$\begin{array}{r} 156 \\ 29 \overline{) 4547} \\ \underline{4524} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 31 = 146 \text{ remainder } 21$$

$$\begin{array}{r} 146 \\ 31 \overline{) 4547} \end{array}$$

$$\begin{array}{r} 4526 \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4547 \div 37 = 122 \text{ remainder } 33$$

$$\begin{array}{r} 122 \\ 37 \overline{) 4547} \\ \underline{4514} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4547 \div 41 = 110 \text{ remainder } 37$$

$$\begin{array}{r} 110 \\ 41 \overline{) 4547} \\ \underline{4510} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4547 \div 43 = 105 \text{ remainder } 32$$

$$\begin{array}{r} 105 \\ 43 \overline{) 4547} \\ \underline{4515} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4547 \div 47 = 96 \text{ remainder } 35$$

$$\begin{array}{r} 96 \\ 47 \overline{) 4547} \\ \underline{4512} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4547 \div 53 = 85 \text{ remainder } 42$$

$$\begin{array}{r} 85 \\ 53 \overline{) 4547} \\ \underline{4505} \\ 42 \leftarrow \text{remainder} \end{array}$$



$$4547 \div 59 = 77 \text{ remainder } 4$$

$$\begin{array}{r} 77 \\ 59 \overline{) 4547} \\ \underline{4543} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 61 = 74 \text{ remainder } 33$$

$$\begin{array}{r} 74 \\ 61 \overline{) 4547} \\ \underline{4514} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$4547 \div 67 = 67 \text{ remainder } 58$$

$$\begin{array}{r} 67 \\ 67 \overline{) 4547} \\ \underline{4489} \\ 58 \end{array} \leftarrow \text{remainder}$$

## **P<sub>617</sub> 4549**

$$4549 \div 2 = 2274 \text{ remainder } 1$$

$$\begin{array}{r} 2274 \\ 2 \overline{) 4549} \\ \underline{4548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 3 = 1516 \text{ remainder } 1$$

$$\begin{array}{r} 1516 \\ 3 \overline{) 4549} \\ \underline{4548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 5 = 909 \text{ remainder } 4$$

$$\begin{array}{r} 909 \\ 5 \overline{) 4549} \\ \underline{4545} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 7 = 649 \text{ remainder } 6$$

$$\begin{array}{r} 649 \\ 7 \overline{) 4549} \\ \underline{4543} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 11 = 413 \text{ remainder } 6$$

$$\begin{array}{r} 413 \\ 11 \overline{) 4549} \\ \underline{4543} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 13 = 349 \text{ remainder } 12$$

$$\begin{array}{r} 349 \\ 13 \overline{) 4549} \\ \underline{4537} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 17 = 267 \text{ remainder } 10$$

$$\begin{array}{r} 267 \\ 17 \overline{) 4549} \\ \underline{4539} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 19 = 239 \text{ remainder } 8$$

$$\begin{array}{r} 239 \\ 19 \overline{) 4549} \\ \underline{4541} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 23 = 197 \text{ remainder } 18$$

$$\begin{array}{r} 197 \\ 23 \overline{) 4549} \\ \underline{4531} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 29 = 156 \text{ remainder } 25$$

$$\begin{array}{r} 156 \\ 29 \overline{) 4549} \\ \underline{4524} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 31 = 146 \text{ remainder } 23$$

$$\begin{array}{r} 146 \\ 31 \overline{) 4549} \end{array}$$

$$\begin{array}{r} 4526 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4549 \div 37 = 122 \text{ remainder } 35$$

$$\begin{array}{r} 122 \\ 37 \overline{) 4549} \\ \underline{4514} \phantom{00} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4549 \div 41 = 110 \text{ remainder } 39$$

$$\begin{array}{r} 110 \\ 41 \overline{) 4549} \\ \underline{4510} \phantom{00} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$4549 \div 43 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 43 \overline{) 4549} \\ \underline{4515} \phantom{00} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4549 \div 47 = 96 \text{ remainder } 37$$

$$\begin{array}{r} 96 \\ 47 \overline{) 4549} \\ \underline{4512} \phantom{00} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4549 \div 53 = 85 \text{ remainder } 44$$

$$\begin{array}{r} 85 \\ 53 \overline{) 4549} \\ \underline{4505} \phantom{00} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$4549 \div 59 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 59 \overline{) 4549} \\ \underline{4543} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 61 = 74 \text{ remainder } 35$$

$$\begin{array}{r} 74 \\ 61 \overline{) 4549} \\ \underline{4514} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$4549 \div 67 = 67 \text{ remainder } 60$$

$$\begin{array}{r} 67 \\ 67 \overline{) 4549} \\ \underline{4489} \\ 60 \end{array} \leftarrow \text{remainder}$$

## **P<sub>618</sub> 4561**

$$4561 \div 2 = 2280 \text{ remainder } 1$$

$$\begin{array}{r} 2280 \\ 2 \overline{) 4561} \\ \underline{4560} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 3 = 1520 \text{ remainder } 1$$

$$\begin{array}{r} 1520 \\ 3 \overline{) 4561} \\ \underline{4560} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 5 = 912 \text{ remainder } 1$$

$$\begin{array}{r} 912 \\ 5 \overline{) 4561} \\ \underline{4560} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 7 = 651 \text{ remainder } 4$$

$$\begin{array}{r} 651 \\ 7 \overline{) 4561} \\ \underline{4557} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 11 = 414 \text{ remainder } 7$$

$$\begin{array}{r} 414 \\ 11 \overline{) 4561} \\ \underline{4554} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 13 = 350 \text{ remainder } 11$$

$$\begin{array}{r} 350 \\ 13 \overline{) 4561} \\ \underline{4550} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 17 = 268 \text{ remainder } 5$$

$$\begin{array}{r} 268 \\ 17 \overline{) 4561} \\ \underline{4556} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 19 = 240 \text{ remainder } 1$$

$$\begin{array}{r} 240 \\ 19 \overline{) 4561} \\ \underline{4560} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 23 = 198 \text{ remainder } 7$$

$$\begin{array}{r} 198 \\ 23 \overline{) 4561} \\ \underline{4554} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 29 = 157 \text{ remainder } 8$$

$$\begin{array}{r} 157 \\ 29 \overline{) 4561} \\ \underline{4553} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 31 = 147 \text{ remainder } 4$$

$$\begin{array}{r} 147 \\ 31 \overline{) 4561} \end{array}$$

$$\begin{array}{r} 4557 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4561 \div 37 = 123 \text{ remainder } 10$$

$$\begin{array}{r} 123 \\ 37 \overline{) 4561} \\ \underline{4551} \phantom{00} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4561 \div 41 = 111 \text{ remainder } 10$$

$$\begin{array}{r} 111 \\ 41 \overline{) 4561} \\ \underline{4551} \phantom{00} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4561 \div 43 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 43 \overline{) 4561} \\ \underline{4558} \phantom{00} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4561 \div 47 = 97 \text{ remainder } 2$$

$$\begin{array}{r} 97 \\ 47 \overline{) 4561} \\ \underline{4559} \phantom{00} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4561 \div 53 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 53 \overline{) 4561} \\ \underline{4558} \phantom{00} \\ 3 \leftarrow \text{remainder} \end{array}$$



$$4561 \div 59 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 59 \overline{) 4561} \\ \underline{4543} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 61 = 74 \text{ remainder } 47$$

$$\begin{array}{r} 74 \\ 61 \overline{) 4561} \\ \underline{4514} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$4561 \div 67 = 68 \text{ remainder } 5$$

$$\begin{array}{r} 68 \\ 67 \overline{) 4561} \\ \underline{4556} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>619</sub> 4567**

$$4567 \div 2 = 2283 \text{ remainder } 1$$

$$\begin{array}{r} 2283 \\ 2 \overline{) 4567} \\ \underline{4566} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 3 = 1522 \text{ remainder } 1$$

$$\begin{array}{r} 1522 \\ 3 \overline{) 4567} \\ \underline{4566} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 5 = 913 \text{ remainder } 2$$

$$\begin{array}{r} 913 \\ 5 \overline{) 4567} \\ \underline{4565} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 7 = 652 \text{ remainder } 3$$

$$\begin{array}{r} 652 \\ 7 \overline{) 4567} \\ \underline{4564} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 11 = 415 \text{ remainder } 2$$

$$\begin{array}{r} 415 \\ 11 \overline{) 4567} \\ \underline{4565} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 13 = 351 \text{ remainder } 4$$

$$\begin{array}{r} 351 \\ 13 \overline{) 4567} \\ \underline{4563} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 17 = 268 \text{ remainder } 11$$

$$\begin{array}{r} 268 \\ 17 \overline{) 4567} \\ \underline{4556} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 19 = 240 \text{ remainder } 7$$

$$\begin{array}{r} 240 \\ 19 \overline{) 4567} \\ \underline{4560} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 23 = 198 \text{ remainder } 13$$

$$\begin{array}{r} 198 \\ 23 \overline{) 4567} \\ \underline{4554} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 29 = 157 \text{ remainder } 14$$

$$\begin{array}{r} 157 \\ 29 \overline{) 4567} \\ \underline{4553} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 31 = 147 \text{ remainder } 10$$

$$\begin{array}{r} 147 \\ 31 \overline{) 4567} \end{array}$$

$$\begin{array}{r} 4557 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4567 \div 37 = 123 \text{ remainder } 16$$

$$\begin{array}{r} 123 \\ 37 \overline{) 4567} \\ \underline{4551} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4567 \div 41 = 111 \text{ remainder } 16$$

$$\begin{array}{r} 111 \\ 41 \overline{) 4567} \\ \underline{4551} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4567 \div 43 = 106 \text{ remainder } 9$$

$$\begin{array}{r} 106 \\ 43 \overline{) 4567} \\ \underline{4558} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4567 \div 47 = 97 \text{ remainder } 8$$

$$\begin{array}{r} 97 \\ 47 \overline{) 4567} \\ \underline{4559} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4567 \div 53 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 53 \overline{) 4567} \\ \underline{4558} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4567 \div 59 = 77 \text{ remainder } 24$$

$$\begin{array}{r} 77 \\ 59 \overline{) 4567} \\ \underline{4543} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 61 = 74 \text{ remainder } 53$$

$$\begin{array}{r} 74 \\ 61 \overline{) 4567} \\ \underline{4514} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$4567 \div 67 = 68 \text{ remainder } 11$$

$$\begin{array}{r} 68 \\ 67 \overline{) 4567} \\ \underline{4556} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>620</sub> 4583**

$$4583 \div 2 = 2291 \text{ remainder } 1$$

$$\begin{array}{r} 2291 \\ 2 \overline{) 4583} \\ \underline{4582} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 3 = 1527 \text{ remainder } 2$$

$$\begin{array}{r} 1527 \\ 3 \overline{) 4583} \\ \underline{4581} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 5 = 916 \text{ remainder } 3$$

$$\begin{array}{r} 916 \\ 5 \overline{) 4583} \\ \underline{4580} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 7 = 654 \text{ remainder } 5$$

$$\begin{array}{r} 654 \\ 7 \overline{) 4583} \\ \underline{4578} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 11 = 416 \text{ remainder } 7$$

$$\begin{array}{r} 416 \\ 11 \overline{) 4583} \\ \underline{4576} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 13 = 352 \text{ remainder } 7$$

$$\begin{array}{r} 352 \\ 13 \overline{) 4583} \\ \underline{4576} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 17 = 269 \text{ remainder } 10$$

$$\begin{array}{r} 269 \\ 17 \overline{) 4583} \\ \underline{4573} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 19 = 241 \text{ remainder } 4$$

$$\begin{array}{r} 241 \\ 19 \overline{) 4583} \\ \underline{4579} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 23 = 199 \text{ remainder } 6$$

$$\begin{array}{r} 199 \\ 23 \overline{) 4583} \\ \underline{4577} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 29 = 158 \text{ remainder } 1$$

$$\begin{array}{r} 158 \\ 29 \overline{) 4583} \\ \underline{4582} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 31 = 147 \text{ remainder } 26$$

$$\begin{array}{r} 147 \\ 31 \overline{) 4583} \end{array}$$

$$\begin{array}{r} 4557 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4583 \div 37 = 123 \text{ remainder } 32$$

$$\begin{array}{r} 123 \\ 37 \overline{) 4583} \\ \underline{4551} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4583 \div 41 = 111 \text{ remainder } 32$$

$$\begin{array}{r} 111 \\ 41 \overline{) 4583} \\ \underline{4551} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4583 \div 43 = 106 \text{ remainder } 25$$

$$\begin{array}{r} 106 \\ 43 \overline{) 4583} \\ \underline{4558} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4583 \div 47 = 97 \text{ remainder } 24$$

$$\begin{array}{r} 97 \\ 47 \overline{) 4583} \\ \underline{4559} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4583 \div 53 = 86 \text{ remainder } 25$$

$$\begin{array}{r} 86 \\ 53 \overline{) 4583} \\ \underline{4558} \\ 25 \leftarrow \text{remainder} \end{array}$$



$$4583 \div 59 = 77 \text{ remainder } 40$$

$$\begin{array}{r} 77 \\ 59 \overline{) 4583} \\ \underline{4543} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 61 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 61 \overline{) 4583} \\ \underline{4575} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4583 \div 67 = 68 \text{ remainder } 27$$

$$\begin{array}{r} 68 \\ 67 \overline{) 4583} \\ \underline{4556} \\ 27 \end{array} \leftarrow \text{remainder}$$

## **P<sub>621</sub> 4591**

$$4591 \div 2 = 2295 \text{ remainder } 1$$

$$\begin{array}{r} 2295 \\ 2 \overline{) 4591} \\ \underline{4590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 3 = 1530 \text{ remainder } 1$$

$$\begin{array}{r} 1530 \\ 3 \overline{) 4591} \\ \underline{4590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 5 = 918 \text{ remainder } 1$$

$$\begin{array}{r} 918 \\ 5 \overline{) 4591} \\ \underline{4590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 7 = 655 \text{ remainder } 6$$

$$\begin{array}{r} 655 \\ 7 \overline{) 4591} \\ \underline{4585} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 11 = 417 \text{ remainder } 4$$

$$\begin{array}{r} 417 \\ 11 \overline{) 4591} \\ \underline{4587} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 13 = 353 \text{ remainder } 2$$

$$\begin{array}{r} 353 \\ 13 \overline{) 4591} \\ \underline{4589} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 17 = 270 \text{ remainder } 1$$

$$\begin{array}{r} 270 \\ 17 \overline{) 4591} \\ \underline{4590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 19 = 241 \text{ remainder } 12$$

$$\begin{array}{r} 241 \\ 19 \overline{) 4591} \\ \underline{4579} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 23 = 199 \text{ remainder } 14$$

$$\begin{array}{r} 199 \\ 23 \overline{) 4591} \\ \underline{4577} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 29 = 158 \text{ remainder } 9$$

$$\begin{array}{r} 158 \\ 29 \overline{) 4591} \\ \underline{4582} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 31 = 148 \text{ remainder } 3$$

$$\begin{array}{r} 148 \\ 31 \overline{) 4591} \end{array}$$

$$\begin{array}{r} 4588 \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4591 \div 37 = 124 \text{ remainder } 3$$

$$\begin{array}{r} 124 \\ 37 \overline{) 4591} \\ \underline{4588} \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4591 \div 41 = 111 \text{ remainder } 40$$

$$\begin{array}{r} 111 \\ 41 \overline{) 4591} \\ \underline{4551} \\ ---- \\ 40 \leftarrow \text{remainder} \end{array}$$

$$4591 \div 43 = 106 \text{ remainder } 33$$

$$\begin{array}{r} 106 \\ 43 \overline{) 4591} \\ \underline{4558} \\ ---- \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4591 \div 47 = 97 \text{ remainder } 32$$

$$\begin{array}{r} 97 \\ 47 \overline{) 4591} \\ \underline{4559} \\ ---- \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4591 \div 53 = 86 \text{ remainder } 33$$

$$\begin{array}{r} 86 \\ 53 \overline{) 4591} \\ \underline{4558} \\ ---- \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4591 \div 59 = 77 \text{ remainder } 48$$

$$\begin{array}{r} 77 \\ 59 \overline{) 4591} \\ \underline{4543} \phantom{00} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 61 = 75 \text{ remainder } 16$$

$$\begin{array}{r} 75 \\ 61 \overline{) 4591} \\ \underline{4575} \phantom{00} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4591 \div 67 = 68 \text{ remainder } 35$$

$$\begin{array}{r} 68 \\ 67 \overline{) 4591} \\ \underline{4556} \phantom{00} \\ 35 \end{array} \leftarrow \text{remainder}$$

## **P<sub>622</sub> 4597**

$$4597 \div 2 = 2298 \text{ remainder } 1$$

$$\begin{array}{r} 2298 \\ 2 \overline{) 4597} \\ \underline{4596} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 3 = 1532 \text{ remainder } 1$$

$$\begin{array}{r} 1532 \\ 3 \overline{) 4597} \\ \underline{4596} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 5 = 919 \text{ remainder } 2$$

$$\begin{array}{r} 919 \\ 5 \overline{) 4597} \\ \underline{4595} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 7 = 656 \text{ remainder } 5$$

$$\begin{array}{r} 656 \\ 7 \overline{) 4597} \\ \underline{4592} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 11 = 417 \text{ remainder } 10$$

$$\begin{array}{r} 417 \\ 11 \overline{) 4597} \\ \underline{4587} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 13 = 353 \text{ remainder } 8$$

$$\begin{array}{r} 353 \\ 13 \overline{) 4597} \\ \underline{4589} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 17 = 270 \text{ remainder } 7$$

$$\begin{array}{r} 270 \\ 17 \overline{) 4597} \\ \underline{4590} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 19 = 241 \text{ remainder } 18$$

$$\begin{array}{r} 241 \\ 19 \overline{) 4597} \\ \underline{4579} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 23 = 199 \text{ remainder } 20$$

$$\begin{array}{r} 199 \\ 23 \overline{) 4597} \\ \underline{4577} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 29 = 158 \text{ remainder } 15$$

$$\begin{array}{r} 158 \\ 29 \overline{) 4597} \\ \underline{4582} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 31 = 148 \text{ remainder } 9$$

$$\begin{array}{r} 148 \\ 31 \overline{) 4597} \end{array}$$

4588

----

9 ← remainder

$$4597 \div 37 = 124 \text{ remainder } 9$$

$$\begin{array}{r} 124 \\ 37 \overline{) 4597} \\ \underline{4588} \end{array}$$

----

9 ← remainder

$$4597 \div 41 = 112 \text{ remainder } 5$$

$$\begin{array}{r} 112 \\ 41 \overline{) 4597} \\ \underline{4592} \end{array}$$

----

5 ← remainder

$$4597 \div 43 = 106 \text{ remainder } 39$$

$$\begin{array}{r} 106 \\ 43 \overline{) 4597} \\ \underline{4558} \end{array}$$

----

39 ← remainder

$$4597 \div 47 = 97 \text{ remainder } 38$$

$$\begin{array}{r} 97 \\ 47 \overline{) 4597} \\ \underline{4559} \end{array}$$

----

38 ← remainder

$$4597 \div 53 = 86 \text{ remainder } 39$$

$$\begin{array}{r} 86 \\ 53 \overline{) 4597} \\ \underline{4558} \end{array}$$

----

39 ← remainder



$$4597 \div 59 = 77 \text{ remainder } 54$$

$$\begin{array}{r} 77 \\ 59 \overline{) 4597} \\ \underline{4543} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 61 = 75 \text{ remainder } 22$$

$$\begin{array}{r} 75 \\ 61 \overline{) 4597} \\ \underline{4575} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4597 \div 67 = 68 \text{ remainder } 41$$

$$\begin{array}{r} 68 \\ 67 \overline{) 4597} \\ \underline{4556} \\ 41 \end{array} \leftarrow \text{remainder}$$

## **P<sub>623</sub> 4603**

$$4603 \div 2 = 2301 \text{ remainder } 1$$

$$\begin{array}{r} 2301 \\ 2 \overline{) 4603} \\ \underline{4602} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 3 = 1534 \text{ remainder } 1$$

$$\begin{array}{r} 1534 \\ 3 \overline{) 4603} \\ \underline{4602} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 5 = 920 \text{ remainder } 3$$

$$\begin{array}{r} 920 \\ 5 \overline{) 4603} \\ \underline{4600} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 7 = 657 \text{ remainder } 4$$

$$\begin{array}{r} 657 \\ 7 \overline{) 4603} \\ \underline{4599} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 11 = 418 \text{ remainder } 5$$

$$\begin{array}{r} 418 \\ 11 \overline{) 4603} \\ \underline{4598} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 13 = 354 \text{ remainder } 1$$

$$\begin{array}{r} 354 \\ 13 \overline{) 4603} \\ \underline{4602} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 17 = 270 \text{ remainder } 13$$

$$\begin{array}{r} 270 \\ 17 \overline{) 4603} \\ \underline{4590} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 19 = 242 \text{ remainder } 5$$

$$\begin{array}{r} 242 \\ 19 \overline{) 4603} \\ \underline{4598} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 23 = 200 \text{ remainder } 3$$

$$\begin{array}{r} 200 \\ 23 \overline{) 4603} \\ \underline{4600} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 29 = 158 \text{ remainder } 21$$

$$\begin{array}{r} 158 \\ 29 \overline{) 4603} \\ \underline{4582} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 31 = 148 \text{ remainder } 15$$

$$\begin{array}{r} 148 \\ 31 \overline{) 4603} \end{array}$$

4588

----

15 ← remainder

$$4603 \div 37 = 124 \text{ remainder } 15$$

$$\begin{array}{r} 124 \\ 37 \overline{) 4603} \\ \underline{4588} \\ 15 \end{array}$$

15 ← remainder

$$4603 \div 41 = 112 \text{ remainder } 11$$

$$\begin{array}{r} 112 \\ 41 \overline{) 4603} \\ \underline{4592} \\ 11 \end{array}$$

11 ← remainder

$$4603 \div 43 = 107 \text{ remainder } 2$$

$$\begin{array}{r} 107 \\ 43 \overline{) 4603} \\ \underline{4601} \\ 2 \end{array}$$

2 ← remainder

$$4603 \div 47 = 97 \text{ remainder } 44$$

$$\begin{array}{r} 97 \\ 47 \overline{) 4603} \\ \underline{4559} \\ 44 \end{array}$$

44 ← remainder

$$4603 \div 53 = 86 \text{ remainder } 45$$

$$\begin{array}{r} 86 \\ 53 \overline{) 4603} \\ \underline{4558} \\ 45 \end{array}$$

45 ← remainder

$$4603 \div 59 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 59 \overline{) 4603} \\ \underline{4602} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 61 = 75 \text{ remainder } 28$$

$$\begin{array}{r} 75 \\ 61 \overline{) 4603} \\ \underline{4575} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4603 \div 67 = 68 \text{ remainder } 47$$

$$\begin{array}{r} 68 \\ 67 \overline{) 4603} \\ \underline{4556} \\ 47 \end{array} \leftarrow \text{remainder}$$

## **P<sub>624</sub> 4621**

$$4621 \div 2 = 2310 \text{ remainder } 1$$

$$\begin{array}{r} 2310 \\ 2 \overline{) 4621} \\ \underline{4620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 3 = 1540 \text{ remainder } 1$$

$$\begin{array}{r} 1540 \\ 3 \overline{) 4621} \\ \underline{4620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 5 = 924 \text{ remainder } 1$$

$$\begin{array}{r} 924 \\ 5 \overline{) 4621} \\ \underline{4620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 7 = 660 \text{ remainder } 1$$

$$\begin{array}{r} 660 \\ 7 \overline{) 4621} \\ \underline{4620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 11 = 420 \text{ remainder } 1$$

$$\begin{array}{r} 420 \\ 11 \overline{) 4621} \\ \underline{4620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 13 = 355 \text{ remainder } 6$$

$$\begin{array}{r} 355 \\ 13 \overline{) 4621} \\ \underline{4615} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 17 = 271 \text{ remainder } 14$$

$$\begin{array}{r} 271 \\ 17 \overline{) 4621} \\ \underline{4607} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 19 = 243 \text{ remainder } 4$$

$$\begin{array}{r} 243 \\ 19 \overline{) 4621} \\ \underline{4617} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 23 = 200 \text{ remainder } 21$$

$$\begin{array}{r} 200 \\ 23 \overline{) 4621} \\ \underline{4600} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 29 = 159 \text{ remainder } 10$$

$$\begin{array}{r} 159 \\ 29 \overline{) 4621} \\ \underline{4611} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 31 = 149 \text{ remainder } 2$$

$$\begin{array}{r} 149 \\ 31 \overline{) 4621} \end{array}$$

$$\begin{array}{r} 4619 \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4621 \div 37 = 124 \text{ remainder } 33$$

$$\begin{array}{r} 124 \\ 37 \overline{) 4621} \\ \underline{4588} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4621 \div 41 = 112 \text{ remainder } 29$$

$$\begin{array}{r} 112 \\ 41 \overline{) 4621} \\ \underline{4592} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4621 \div 43 = 107 \text{ remainder } 20$$

$$\begin{array}{r} 107 \\ 43 \overline{) 4621} \\ \underline{4601} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4621 \div 47 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 47 \overline{) 4621} \\ \underline{4606} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$4621 \div 53 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 53 \overline{) 4621} \\ \underline{4611} \\ 10 \leftarrow \text{remainder} \end{array}$$



$$4621 \div 59 = 78 \text{ remainder } 19$$

$$\begin{array}{r} 78 \\ 59 \overline{) 4621} \\ \underline{4602} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 61 = 75 \text{ remainder } 46$$

$$\begin{array}{r} 75 \\ 61 \overline{) 4621} \\ \underline{4575} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$4621 \div 67 = 68 \text{ remainder } 65$$

$$\begin{array}{r} 68 \\ 67 \overline{) 4621} \\ \underline{4556} \\ 65 \end{array} \leftarrow \text{remainder}$$

## **P<sub>625</sub> 4637**

$$4637 \div 2 = 2318 \text{ remainder } 1$$

$$\begin{array}{r} 2318 \\ 2 \overline{) 4637} \\ \underline{4636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 3 = 1545 \text{ remainder } 2$$

$$\begin{array}{r} 1545 \\ 3 \overline{) 4637} \\ \underline{4635} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 5 = 927 \text{ remainder } 2$$

$$\begin{array}{r} 927 \\ 5 \overline{) 4637} \\ \underline{4635} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 7 = 662 \text{ remainder } 3$$

$$\begin{array}{r} 662 \\ 7 \overline{) 4637} \\ \underline{4634} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 11 = 421 \text{ remainder } 6$$

$$\begin{array}{r} 421 \\ 11 \overline{) 4637} \\ \underline{4631} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 13 = 356 \text{ remainder } 9$$

$$\begin{array}{r} 356 \\ 13 \overline{) 4637} \\ \underline{4628} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 17 = 272 \text{ remainder } 13$$

$$\begin{array}{r} 272 \\ 17 \overline{) 4637} \\ \underline{4624} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 19 = 244 \text{ remainder } 1$$

$$\begin{array}{r} 244 \\ 19 \overline{) 4637} \\ \underline{4636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 23 = 201 \text{ remainder } 14$$

$$\begin{array}{r} 201 \\ 23 \overline{) 4637} \\ \underline{4623} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 29 = 159 \text{ remainder } 26$$

$$\begin{array}{r} 159 \\ 29 \overline{) 4637} \\ \underline{4611} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 31 = 149 \text{ remainder } 18$$

$$\begin{array}{r} 149 \\ 31 \overline{) 4637} \end{array}$$

$$\begin{array}{r} 4619 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4637 \div 37 = 125 \text{ remainder } 12$$

$$\begin{array}{r} 125 \\ 37 \overline{) 4637} \\ \underline{4625} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4637 \div 41 = 113 \text{ remainder } 4$$

$$\begin{array}{r} 113 \\ 41 \overline{) 4637} \\ \underline{4633} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4637 \div 43 = 107 \text{ remainder } 36$$

$$\begin{array}{r} 107 \\ 43 \overline{) 4637} \\ \underline{4601} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4637 \div 47 = 98 \text{ remainder } 31$$

$$\begin{array}{r} 98 \\ 47 \overline{) 4637} \\ \underline{4606} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4637 \div 53 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 53 \overline{) 4637} \\ \underline{4611} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4637 \div 59 = 78 \text{ remainder } 35$$

$$\begin{array}{r} 78 \\ 59 \overline{) 4637} \\ \underline{4602} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 61 = 76 \text{ remainder } 1$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4637} \\ \underline{4636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4637 \div 67 = 69 \text{ remainder } 14$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4637} \\ \underline{4623} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>626</sub> 4639**

$$4639 \div 2 = 2319 \text{ remainder } 1$$

$$\begin{array}{r} 2319 \\ 2 \overline{) 4639} \\ \underline{4638} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 3 = 1546 \text{ remainder } 1$$

$$\begin{array}{r} 1546 \\ 3 \overline{) 4639} \\ \underline{4638} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 5 = 927 \text{ remainder } 4$$

$$\begin{array}{r} 927 \\ 5 \overline{) 4639} \\ \underline{4635} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 7 = 662 \text{ remainder } 5$$

$$\begin{array}{r} 662 \\ 7 \overline{) 4639} \\ \underline{4634} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 11 = 421 \text{ remainder } 8$$

$$\begin{array}{r} 421 \\ 11 \overline{) 4639} \\ \underline{4631} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 13 = 356 \text{ remainder } 11$$

$$\begin{array}{r} 356 \\ 13 \overline{) 4639} \\ \underline{4628} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 17 = 272 \text{ remainder } 15$$

$$\begin{array}{r} 272 \\ 17 \overline{) 4639} \\ \underline{4624} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 19 = 244 \text{ remainder } 3$$

$$\begin{array}{r} 244 \\ 19 \overline{) 4639} \\ \underline{4636} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 23 = 201 \text{ remainder } 16$$

$$\begin{array}{r} 201 \\ 23 \overline{) 4639} \\ \underline{4623} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 29 = 159 \text{ remainder } 28$$

$$\begin{array}{r} 159 \\ 29 \overline{) 4639} \\ \underline{4611} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 31 = 149 \text{ remainder } 20$$

$$\begin{array}{r} 149 \\ 31 \overline{) 4639} \end{array}$$

$$\begin{array}{r} 4619 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4639 \div 37 = 125 \text{ remainder } 14$$

$$\begin{array}{r} 125 \\ 37 \overline{) 4639} \\ \underline{4625} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4639 \div 41 = 113 \text{ remainder } 6$$

$$\begin{array}{r} 113 \\ 41 \overline{) 4639} \\ \underline{4633} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4639 \div 43 = 107 \text{ remainder } 38$$

$$\begin{array}{r} 107 \\ 43 \overline{) 4639} \\ \underline{4601} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4639 \div 47 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 47 \overline{) 4639} \\ \underline{4606} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4639 \div 53 = 87 \text{ remainder } 28$$

$$\begin{array}{r} 87 \\ 53 \overline{) 4639} \\ \underline{4611} \\ 28 \leftarrow \text{remainder} \end{array}$$



$$4639 \div 59 = 78 \text{ remainder } 37$$

$$\begin{array}{r} 78 \\ 59 \overline{) 4639} \\ \underline{4602} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 61 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4639} \\ \underline{4636} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4639 \div 67 = 69 \text{ remainder } 16$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4639} \\ \underline{4623} \\ 16 \end{array} \leftarrow \text{remainder}$$

## **P<sub>627</sub> 4643**

$$4643 \div 2 = 2321 \text{ remainder } 1$$

$$\begin{array}{r} 2321 \\ 2 \overline{) 4643} \\ \underline{4642} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4643 \div 3 = 1547 \text{ remainder } 2$$

$$\begin{array}{r} 1547 \\ 3 \overline{) 4643} \\ \underline{4641} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4643 \div 5 = 928 \text{ remainder } 3$$

$$\begin{array}{r} 928 \\ 5 \overline{) 4643} \\ \underline{4640} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4643 \div 7 = 663 \text{ remainder } 2$$

$$\begin{array}{r} 663 \\ 7 \overline{) 4643} \\ \underline{4641} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4643 \div 11 = 422 \text{ remainder } 1$$

$$\begin{array}{r} 422 \\ 11 \overline{) 4643} \\ \underline{4642} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4643 \div 13 = 357 \text{ remainder } 2$$

$$\begin{array}{r} 357 \\ 13 \overline{) 4643} \\ \underline{4641} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4643 \div 17 = 273 \text{ remainder } 2$$

$$\begin{array}{r} 273 \\ 17 \overline{) 4643} \\ \underline{4641} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4643 \div 19 = 244 \text{ remainder } 7$$

$$\begin{array}{r} 244 \\ 19 \overline{) 4643} \\ \underline{4636} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4643 \div 23 = 201 \text{ remainder } 20$$

$$\begin{array}{r} 201 \\ 23 \overline{) 4643} \\ \underline{4623} \phantom{00} \\ 20 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4643 \div 29 = 160 \text{ remainder } 3$$

$$\begin{array}{r} 160 \\ 29 \overline{) 4643} \\ \underline{4640} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4643 \div 31 = 149 \text{ remainder } 24$$

$$\begin{array}{r} 149 \\ 31 \overline{) 4643} \end{array}$$

4619

----

24 ← remainder

$$4643 \div 37 = 125 \text{ remainder } 18$$

$$\begin{array}{r} 125 \\ 37 \overline{) 4643} \\ \underline{4625} \end{array}$$

----

18 ← remainder

$$4643 \div 41 = 113 \text{ remainder } 10$$

$$\begin{array}{r} 113 \\ 41 \overline{) 4643} \\ \underline{4633} \end{array}$$

----

10 ← remainder

$$4643 \div 43 = 107 \text{ remainder } 42$$

$$\begin{array}{r} 107 \\ 43 \overline{) 4643} \\ \underline{4601} \end{array}$$

----

42 ← remainder

$$4643 \div 47 = 98 \text{ remainder } 37$$

$$\begin{array}{r} 98 \\ 47 \overline{) 4643} \\ \underline{4606} \end{array}$$

----

37 ← remainder

$$4643 \div 53 = 87 \text{ remainder } 32$$

$$\begin{array}{r} 87 \\ 53 \overline{) 4643} \\ \underline{4611} \end{array}$$

----

32 ← remainder

$$4643 \div 59 = 78 \text{ remainder } 41$$

$$\begin{array}{r} 78 \\ 59 \overline{) 4643} \\ \underline{4602} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$4643 \div 61 = 76 \text{ remainder } 7$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4643} \\ \underline{4636} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4643 \div 67 = 69 \text{ remainder } 20$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4643} \\ \underline{4623} \\ 20 \end{array} \leftarrow \text{remainder}$$

## **P<sub>628</sub> 4649**

$$4649 \div 2 = 2324 \text{ remainder } 1$$

$$\begin{array}{r} 2324 \\ 2 \overline{) 4649} \\ \underline{4648} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4649 \div 3 = 1549 \text{ remainder } 2$$

$$\begin{array}{r} 1549 \\ 3 \overline{) 4649} \\ \underline{4647} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4649 \div 5 = 929 \text{ remainder } 4$$

$$\begin{array}{r} 929 \\ 5 \overline{) 4649} \\ \underline{4645} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4649 \div 7 = 664 \text{ remainder } 1$$

$$\begin{array}{r} 664 \\ 7 \overline{) 4649} \\ \underline{4648} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4649 \div 11 = 422 \text{ remainder } 7$$

$$\begin{array}{r} 422 \\ 11 \overline{) 4649} \\ \underline{4642} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4649 \div 13 = 357 \text{ remainder } 8$$

$$\begin{array}{r} 357 \\ 13 \overline{) 4649} \\ \underline{4641} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4649 \div 17 = 273 \text{ remainder } 8$$

$$\begin{array}{r} 273 \\ 17 \overline{) 4649} \\ \underline{4641} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4649 \div 19 = 244 \text{ remainder } 13$$

$$\begin{array}{r} 244 \\ 19 \overline{) 4649} \\ \underline{4636} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4649 \div 23 = 202 \text{ remainder } 3$$

$$\begin{array}{r} 202 \\ 23 \overline{) 4649} \\ \underline{4646} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4649 \div 29 = 160 \text{ remainder } 9$$

$$\begin{array}{r} 160 \\ 29 \overline{) 4649} \\ \underline{4640} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4649 \div 31 = 149 \text{ remainder } 30$$

$$\begin{array}{r} 149 \\ 31 \overline{) 4649} \end{array}$$

$$\begin{array}{r} 4619 \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4649 \div 37 = 125 \text{ remainder } 24$$

$$\begin{array}{r} 125 \\ 37 \overline{) 4649} \\ \underline{4625} \phantom{00} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4649 \div 41 = 113 \text{ remainder } 16$$

$$\begin{array}{r} 113 \\ 41 \overline{) 4649} \\ \underline{4633} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4649 \div 43 = 108 \text{ remainder } 5$$

$$\begin{array}{r} 108 \\ 43 \overline{) 4649} \\ \underline{4644} \phantom{00} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4649 \div 47 = 98 \text{ remainder } 43$$

$$\begin{array}{r} 98 \\ 47 \overline{) 4649} \\ \underline{4606} \phantom{00} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$4649 \div 53 = 87 \text{ remainder } 38$$

$$\begin{array}{r} 87 \\ 53 \overline{) 4649} \\ \underline{4611} \phantom{00} \\ 38 \leftarrow \text{remainder} \end{array}$$



$$4649 \div 59 = 78 \text{ remainder } 47$$

$$\begin{array}{r} 78 \\ 59 \overline{) 4649} \\ \underline{4602} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$4649 \div 61 = 76 \text{ remainder } 13$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4649} \\ \underline{4636} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4649 \div 67 = 69 \text{ remainder } 26$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4649} \\ \underline{4623} \\ 26 \end{array} \leftarrow \text{remainder}$$

## **P<sub>629</sub> 4651**

$$4651 \div 2 = 2325 \text{ remainder } 1$$

$$\begin{array}{r} 2325 \\ 2 \overline{) 4651} \\ \underline{4650} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 3 = 1550 \text{ remainder } 1$$

$$\begin{array}{r} 1550 \\ 3 \overline{) 4651} \\ \underline{4650} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 5 = 930 \text{ remainder } 1$$

$$\begin{array}{r} 930 \\ 5 \overline{) 4651} \\ \underline{4650} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 7 = 664 \text{ remainder } 3$$

$$\begin{array}{r} 664 \\ 7 \overline{) 4651} \\ \underline{4648} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 11 = 422 \text{ remainder } 9$$

$$\begin{array}{r} 422 \\ 11 \overline{) 4651} \\ \underline{4642} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 13 = 357 \text{ remainder } 10$$

$$\begin{array}{r} 357 \\ 13 \overline{) 4651} \\ \underline{4641} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 17 = 273 \text{ remainder } 10$$

$$\begin{array}{r} 273 \\ 17 \overline{) 4651} \\ \underline{4641} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 19 = 244 \text{ remainder } 15$$

$$\begin{array}{r} 244 \\ 19 \overline{) 4651} \\ \underline{4636} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 23 = 202 \text{ remainder } 5$$

$$\begin{array}{r} 202 \\ 23 \overline{) 4651} \\ \underline{4646} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 29 = 160 \text{ remainder } 11$$

$$\begin{array}{r} 160 \\ 29 \overline{) 4651} \\ \underline{4640} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 31 = 150 \text{ remainder } 1$$

$$\begin{array}{r} 150 \\ 31 \overline{) 4651} \end{array}$$

4650

----

1 ← remainder

$$4651 \div 37 = 125 \text{ remainder } 26$$

$$\begin{array}{r} 125 \\ 37 \overline{) 4651} \\ \underline{4625} \end{array}$$

----

26 ← remainder

$$4651 \div 41 = 113 \text{ remainder } 18$$

$$\begin{array}{r} 113 \\ 41 \overline{) 4651} \\ \underline{4633} \end{array}$$

----

18 ← remainder

$$4651 \div 43 = 108 \text{ remainder } 7$$

$$\begin{array}{r} 108 \\ 43 \overline{) 4651} \\ \underline{4644} \end{array}$$

----

7 ← remainder

$$4651 \div 47 = 98 \text{ remainder } 45$$

$$\begin{array}{r} 98 \\ 47 \overline{) 4651} \\ \underline{4606} \end{array}$$

----

45 ← remainder

$$4651 \div 53 = 87 \text{ remainder } 40$$

$$\begin{array}{r} 87 \\ 53 \overline{) 4651} \\ \underline{4611} \end{array}$$

----

40 ← remainder

$$4651 \div 59 = 78 \text{ remainder } 49$$

$$\begin{array}{r} 78 \\ 59 \overline{) 4651} \\ \underline{4602} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 61 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4651} \\ \underline{4636} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4651 \div 67 = 69 \text{ remainder } 28$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4651} \\ \underline{4623} \\ 28 \end{array} \leftarrow \text{remainder}$$

## **P<sub>630</sub> 4657**

$$4657 \div 2 = 2328 \text{ remainder } 1$$

$$\begin{array}{r} 2328 \\ 2 \overline{) 4657} \\ \underline{4656} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 3 = 1552 \text{ remainder } 1$$

$$\begin{array}{r} 1552 \\ 3 \overline{) 4657} \\ \underline{4656} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 5 = 931 \text{ remainder } 2$$

$$\begin{array}{r} 931 \\ 5 \overline{) 4657} \\ \underline{4655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 7 = 665 \text{ remainder } 2$$

$$\begin{array}{r} 665 \\ 7 \overline{) 4657} \\ \underline{4655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 11 = 423 \text{ remainder } 4$$

$$\begin{array}{r} 423 \\ 11 \overline{) 4657} \\ \underline{4653} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 13 = 358 \text{ remainder } 3$$

$$\begin{array}{r} 358 \\ 13 \overline{) 4657} \\ \underline{4654} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 17 = 273 \text{ remainder } 16$$

$$\begin{array}{r} 273 \\ 17 \overline{) 4657} \\ \underline{4641} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 19 = 245 \text{ remainder } 2$$

$$\begin{array}{r} 245 \\ 19 \overline{) 4657} \\ \underline{4655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 23 = 202 \text{ remainder } 11$$

$$\begin{array}{r} 202 \\ 23 \overline{) 4657} \\ \underline{4646} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 29 = 160 \text{ remainder } 17$$

$$\begin{array}{r} 160 \\ 29 \overline{) 4657} \\ \underline{4640} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 31 = 150 \text{ remainder } 7$$

$$\begin{array}{r} 150 \\ 31 \overline{) 4657} \end{array}$$

$$\begin{array}{r} 4650 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4657 \div 37 = 125 \text{ remainder } 32$$

$$\begin{array}{r} 125 \\ 37 \overline{) 4657} \\ \underline{4625} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4657 \div 41 = 113 \text{ remainder } 24$$

$$\begin{array}{r} 113 \\ 41 \overline{) 4657} \\ \underline{4633} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4657 \div 43 = 108 \text{ remainder } 13$$

$$\begin{array}{r} 108 \\ 43 \overline{) 4657} \\ \underline{4644} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4657 \div 47 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 47 \overline{) 4657} \\ \underline{4653} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4657 \div 53 = 87 \text{ remainder } 46$$

$$\begin{array}{r} 87 \\ 53 \overline{) 4657} \\ \underline{4611} \\ 46 \leftarrow \text{remainder} \end{array}$$



$$4657 \div 59 = 78 \text{ remainder } 55$$

$$\begin{array}{r} 78 \\ 59 \overline{) 4657} \\ \underline{4602} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 61 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4657} \\ \underline{4636} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$4657 \div 67 = 69 \text{ remainder } 34$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4657} \\ \underline{4623} \\ 34 \end{array} \leftarrow \text{remainder}$$

## **P<sub>631</sub> 4663**

$$4663 \div 2 = 2331 \text{ remainder } 1$$

$$\begin{array}{r} 2331 \\ 2 \overline{) 4663} \\ \underline{4662} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4663 \div 3 = 1554 \text{ remainder } 1$$

$$\begin{array}{r} 1554 \\ 3 \overline{) 4663} \\ \underline{4662} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4663 \div 5 = 932 \text{ remainder } 3$$

$$\begin{array}{r} 932 \\ 5 \overline{) 4663} \\ \underline{4660} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4663 \div 7 = 666 \text{ remainder } 1$$

$$\begin{array}{r} 666 \\ 7 \overline{) 4663} \\ \underline{4662} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4663 \div 11 = 423 \text{ remainder } 10$$

$$\begin{array}{r} 423 \\ 11 \overline{) 4663} \\ \underline{4653} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4663 \div 13 = 358 \text{ remainder } 9$$

$$\begin{array}{r} 358 \\ 13 \overline{) 4663} \\ \underline{4654} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4663 \div 17 = 274 \text{ remainder } 5$$

$$\begin{array}{r} 274 \\ 17 \overline{) 4663} \\ \underline{4658} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4663 \div 19 = 245 \text{ remainder } 8$$

$$\begin{array}{r} 245 \\ 19 \overline{) 4663} \\ \underline{4655} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4663 \div 23 = 202 \text{ remainder } 17$$

$$\begin{array}{r} 202 \\ 23 \overline{) 4663} \\ \underline{4646} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4663 \div 29 = 160 \text{ remainder } 23$$

$$\begin{array}{r} 160 \\ 29 \overline{) 4663} \\ \underline{4640} \phantom{00} \\ 23 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4663 \div 31 = 150 \text{ remainder } 13$$

$$\begin{array}{r} 150 \\ 31 \overline{) 4663} \end{array}$$

4650  
 ----  
 13 ← remainder

$$4663 \div 37 = 126 \text{ remainder } 1$$

37 |  $\overline{4663}$   
 4662  
 ----  
 1 ← remainder

$$4663 \div 41 = 113 \text{ remainder } 30$$

41 |  $\overline{4663}$   
 4633  
 ----  
 30 ← remainder

$$4663 \div 43 = 108 \text{ remainder } 19$$

43 |  $\overline{4663}$   
 4644  
 ----  
 19 ← remainder

$$4663 \div 47 = 99 \text{ remainder } 10$$

47 |  $\overline{4663}$   
 4653  
 ----  
 10 ← remainder

$$4663 \div 53 = 87 \text{ remainder } 52$$

53 |  $\overline{4663}$   
 4611  
 ----  
 52 ← remainder

$$4663 \div 59 = 79 \text{ remainder } 2$$

$$\begin{array}{r} 79 \\ 59 \overline{) 4663} \\ \underline{4661} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4663 \div 61 = 76 \text{ remainder } 27$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4663} \\ \underline{4636} \phantom{00} \\ 27 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4663 \div 67 = 69 \text{ remainder } 40$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4663} \\ \underline{4623} \phantom{00} \\ 40 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>632</sub> 4673**

$$4673 \div 2 = 2336 \text{ remainder } 1$$

$$\begin{array}{r} 2336 \\ 2 \overline{) 4673} \\ \underline{4672} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 3 = 1557 \text{ remainder } 2$$

$$\begin{array}{r} 1557 \\ 3 \overline{) 4673} \\ \underline{4671} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 5 = 934 \text{ remainder } 3$$

$$\begin{array}{r} 934 \\ 5 \overline{) 4673} \\ \underline{4670} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 7 = 667 \text{ remainder } 4$$

$$\begin{array}{r} 667 \\ 7 \overline{) 4673} \\ \underline{4669} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 11 = 424 \text{ remainder } 9$$

$$\begin{array}{r} 424 \\ 11 \overline{) 4673} \\ \underline{4664} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 13 = 359 \text{ remainder } 6$$

$$\begin{array}{r} 359 \\ 13 \overline{) 4673} \\ \underline{4667} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 17 = 274 \text{ remainder } 15$$

$$\begin{array}{r} 274 \\ 17 \overline{) 4673} \\ \underline{4658} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 19 = 245 \text{ remainder } 18$$

$$\begin{array}{r} 245 \\ 19 \overline{) 4673} \\ \underline{4655} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 23 = 203 \text{ remainder } 4$$

$$\begin{array}{r} 203 \\ 23 \overline{) 4673} \\ \underline{4669} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 29 = 161 \text{ remainder } 4$$

$$\begin{array}{r} 161 \\ 29 \overline{) 4673} \\ \underline{4669} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 31 = 150 \text{ remainder } 23$$

$$\begin{array}{r} 150 \\ 31 \overline{) 4673} \end{array}$$

$$\begin{array}{r} 4650 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4673 \div 37 = 126 \text{ remainder } 11$$

$$\begin{array}{r} 126 \\ 37 \overline{) 4673} \\ \underline{4662} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4673 \div 41 = 113 \text{ remainder } 40$$

$$\begin{array}{r} 113 \\ 41 \overline{) 4673} \\ \underline{4633} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$4673 \div 43 = 108 \text{ remainder } 29$$

$$\begin{array}{r} 108 \\ 43 \overline{) 4673} \\ \underline{4644} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4673 \div 47 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 47 \overline{) 4673} \\ \underline{4653} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4673 \div 53 = 88 \text{ remainder } 9$$

$$\begin{array}{r} 88 \\ 53 \overline{) 4673} \\ \underline{4664} \\ 9 \leftarrow \text{remainder} \end{array}$$



$$4673 \div 59 = 79 \text{ remainder } 12$$

$$\begin{array}{r} 79 \\ 59 \overline{) 4673} \\ \underline{4661} \phantom{00} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 61 = 76 \text{ remainder } 37$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4673} \\ \underline{4636} \phantom{00} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$4673 \div 67 = 69 \text{ remainder } 50$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4673} \\ \underline{4623} \phantom{00} \\ 50 \end{array} \leftarrow \text{remainder}$$

## **P<sub>633</sub> 4679**

$$4679 \div 2 = 2339 \text{ remainder } 1$$

$$\begin{array}{r} 2339 \\ 2 \overline{) 4679} \\ \underline{4678} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 3 = 1559 \text{ remainder } 2$$

$$\begin{array}{r} 1559 \\ 3 \overline{) 4679} \\ \underline{4677} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 5 = 935 \text{ remainder } 4$$

$$\begin{array}{r} 935 \\ 5 \overline{) 4679} \\ \underline{4675} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 7 = 668 \text{ remainder } 3$$

$$\begin{array}{r} 668 \\ 7 \overline{) 4679} \\ \underline{4676} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 11 = 425 \text{ remainder } 4$$

$$\begin{array}{r} 425 \\ 11 \overline{) 4679} \\ \underline{4675} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 13 = 359 \text{ remainder } 12$$

$$\begin{array}{r} 359 \\ 13 \overline{) 4679} \\ \underline{4667} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 17 = 275 \text{ remainder } 4$$

$$\begin{array}{r} 275 \\ 17 \overline{) 4679} \\ \underline{4675} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 19 = 246 \text{ remainder } 5$$

$$\begin{array}{r} 246 \\ 19 \overline{) 4679} \\ \underline{4674} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 23 = 203 \text{ remainder } 10$$

$$\begin{array}{r} 203 \\ 23 \overline{) 4679} \\ \underline{4669} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 29 = 161 \text{ remainder } 10$$

$$\begin{array}{r} 161 \\ 29 \overline{) 4679} \\ \underline{4669} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 31 = 150 \text{ remainder } 29$$

$$\begin{array}{r} 150 \\ 31 \overline{) 4679} \end{array}$$

$$\begin{array}{r} 4650 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4679 \div 37 = 126 \text{ remainder } 17$$

$$\begin{array}{r} 126 \\ 37 \overline{) 4679} \\ \underline{4662} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4679 \div 41 = 114 \text{ remainder } 5$$

$$\begin{array}{r} 114 \\ 41 \overline{) 4679} \\ \underline{4674} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4679 \div 43 = 108 \text{ remainder } 35$$

$$\begin{array}{r} 108 \\ 43 \overline{) 4679} \\ \underline{4644} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4679 \div 47 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 47 \overline{) 4679} \\ \underline{4653} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4679 \div 53 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 53 \overline{) 4679} \\ \underline{4664} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$4679 \div 59 = 79 \text{ remainder } 18$$

$$\begin{array}{r} 79 \\ 59 \overline{) 4679} \\ \underline{4661} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 61 = 76 \text{ remainder } 43$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4679} \\ \underline{4636} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$4679 \div 67 = 69 \text{ remainder } 56$$

$$\begin{array}{r} 69 \\ 67 \overline{) 4679} \\ \underline{4623} \\ 56 \end{array} \leftarrow \text{remainder}$$

## **P<sub>634</sub> 4691**

$$4691 \div 2 = 2345 \text{ remainder } 1$$

$$\begin{array}{r} 2345 \\ 2 \overline{) 4691} \\ \underline{4690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 3 = 1563 \text{ remainder } 2$$

$$\begin{array}{r} 1563 \\ 3 \overline{) 4691} \\ \underline{4689} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 5 = 938 \text{ remainder } 1$$

$$\begin{array}{r} 938 \\ 5 \overline{) 4691} \\ \underline{4690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 7 = 670 \text{ remainder } 1$$

$$\begin{array}{r} 670 \\ 7 \overline{) 4691} \\ \underline{4690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 11 = 426 \text{ remainder } 5$$

$$\begin{array}{r} 426 \\ 11 \overline{) 4691} \\ \underline{4686} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 13 = 360 \text{ remainder } 11$$

$$\begin{array}{r} 360 \\ 13 \overline{) 4691} \\ \underline{4680} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 17 = 275 \text{ remainder } 16$$

$$\begin{array}{r} 275 \\ 17 \overline{) 4691} \\ \underline{4675} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 19 = 246 \text{ remainder } 17$$

$$\begin{array}{r} 246 \\ 19 \overline{) 4691} \\ \underline{4674} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 23 = 203 \text{ remainder } 22$$

$$\begin{array}{r} 203 \\ 23 \overline{) 4691} \\ \underline{4669} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 29 = 161 \text{ remainder } 22$$

$$\begin{array}{r} 161 \\ 29 \overline{) 4691} \\ \underline{4669} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 31 = 151 \text{ remainder } 10$$

$$\begin{array}{r} 151 \\ 31 \overline{) 4691} \end{array}$$

$$\begin{array}{r} 4681 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4691 \div 37 = 126 \text{ remainder } 29$$

$$\begin{array}{r} 126 \\ 37 \overline{) 4691} \\ \underline{4662} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4691 \div 41 = 114 \text{ remainder } 17$$

$$\begin{array}{r} 114 \\ 41 \overline{) 4691} \\ \underline{4674} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4691 \div 43 = 109 \text{ remainder } 4$$

$$\begin{array}{r} 109 \\ 43 \overline{) 4691} \\ \underline{4687} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4691 \div 47 = 99 \text{ remainder } 38$$

$$\begin{array}{r} 99 \\ 47 \overline{) 4691} \\ \underline{4653} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4691 \div 53 = 88 \text{ remainder } 27$$

$$\begin{array}{r} 88 \\ 53 \overline{) 4691} \\ \underline{4664} \\ 27 \leftarrow \text{remainder} \end{array}$$



$$4691 \div 59 = 79 \text{ remainder } 30$$

$$\begin{array}{r} 79 \\ 59 \overline{) 4691} \\ \underline{4661} \phantom{00} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 61 = 76 \text{ remainder } 55$$

$$\begin{array}{r} 76 \\ 61 \overline{) 4691} \\ \underline{4636} \phantom{00} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$4691 \div 67 = 70 \text{ remainder } 1$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4691} \\ \underline{4690} \phantom{00} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>635</sub> 4703**

$$4703 \div 2 = 2351 \text{ remainder } 1$$

$$\begin{array}{r} 2351 \\ 2 \overline{) 4703} \\ \underline{4702} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 3 = 1567 \text{ remainder } 2$$

$$\begin{array}{r} 1567 \\ 3 \overline{) 4703} \\ \underline{4701} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 5 = 940 \text{ remainder } 3$$

$$\begin{array}{r} 940 \\ 5 \overline{) 4703} \\ \underline{4700} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 7 = 671 \text{ remainder } 6$$

$$\begin{array}{r} 671 \\ 7 \overline{) 4703} \\ \underline{4697} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 11 = 427 \text{ remainder } 6$$

$$\begin{array}{r} 427 \\ 11 \overline{) 4703} \\ \underline{4697} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 13 = 361 \text{ remainder } 10$$

$$\begin{array}{r} 361 \\ 13 \overline{) 4703} \\ \underline{4693} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 17 = 276 \text{ remainder } 11$$

$$\begin{array}{r} 276 \\ 17 \overline{) 4703} \\ \underline{4692} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 19 = 247 \text{ remainder } 10$$

$$\begin{array}{r} 247 \\ 19 \overline{) 4703} \\ \underline{4693} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 23 = 204 \text{ remainder } 11$$

$$\begin{array}{r} 204 \\ 23 \overline{) 4703} \\ \underline{4692} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 29 = 162 \text{ remainder } 5$$

$$\begin{array}{r} 162 \\ 29 \overline{) 4703} \\ \underline{4698} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4703 \div 31 = 151 \text{ remainder } 22$$

$$\begin{array}{r} 151 \\ 31 \overline{) 4703} \end{array}$$

4681  
 ----  
 22 ← remainder

$$4703 \div 37 = 127 \text{ remainder } 4$$

127  
 37 | 4703  
 4699  
 ----  
 4 ← remainder

$$4703 \div 41 = 114 \text{ remainder } 29$$

114  
 41 | 4703  
 4674  
 ----  
 29 ← remainder

$$4703 \div 43 = 109 \text{ remainder } 16$$

109  
 43 | 4703  
 4687  
 ----  
 16 ← remainder

$$4703 \div 47 = 100 \text{ remainder } 3$$

100  
 47 | 4703  
 4700  
 ----  
 3 ← remainder

$$4703 \div 53 = 88 \text{ remainder } 39$$

88  
 53 | 4703  
 4664  
 ----  
 39 ← remainder

$$4703 \div 59 = 79 \text{ remainder } 42$$

$$\begin{array}{r} 79 \\ 59 \overline{) 4703} \\ \underline{4661} \phantom{00} \\ 42 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4703 \div 61 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4703} \\ \underline{4697} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4703 \div 67 = 70 \text{ remainder } 13$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4703} \\ \underline{4690} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>636</sub> 4721**

$$4721 \div 2 = 2360 \text{ remainder } 1$$

$$\begin{array}{r} 2360 \\ 2 \overline{) 4721} \\ \underline{4720} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 3 = 1573 \text{ remainder } 2$$

$$\begin{array}{r} 1573 \\ 3 \overline{) 4721} \\ \underline{4719} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 5 = 944 \text{ remainder } 1$$

$$\begin{array}{r} 944 \\ 5 \overline{) 4721} \\ \underline{4720} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 7 = 674 \text{ remainder } 3$$

$$\begin{array}{r} 674 \\ 7 \overline{) 4721} \\ \underline{4718} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 11 = 429 \text{ remainder } 2$$

$$\begin{array}{r} 429 \\ 11 \overline{) 4721} \\ \underline{4719} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 13 = 363 \text{ remainder } 2$$

$$\begin{array}{r} 363 \\ 13 \overline{) 4721} \\ \underline{4719} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 17 = 277 \text{ remainder } 12$$

$$\begin{array}{r} 277 \\ 17 \overline{) 4721} \\ \underline{4709} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 19 = 248 \text{ remainder } 9$$

$$\begin{array}{r} 248 \\ 19 \overline{) 4721} \\ \underline{4712} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 23 = 205 \text{ remainder } 6$$

$$\begin{array}{r} 205 \\ 23 \overline{) 4721} \\ \underline{4715} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 29 = 162 \text{ remainder } 23$$

$$\begin{array}{r} 162 \\ 29 \overline{) 4721} \\ \underline{4698} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 31 = 152 \text{ remainder } 9$$

$$\begin{array}{r} 152 \\ 31 \overline{) 4721} \end{array}$$

$$\begin{array}{r} 4712 \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 37 = 127 \text{ remainder } 22$$

$$\begin{array}{r} 127 \\ 37 \overline{) 4721} \\ \underline{4699} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 41 = 115 \text{ remainder } 6$$

$$\begin{array}{r} 115 \\ 41 \overline{) 4721} \\ \underline{4715} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 43 = 109 \text{ remainder } 34$$

$$\begin{array}{r} 109 \\ 43 \overline{) 4721} \\ \underline{4687} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 47 = 100 \text{ remainder } 21$$

$$\begin{array}{r} 100 \\ 47 \overline{) 4721} \\ \underline{4700} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 53 = 89 \text{ remainder } 4$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4721} \\ \underline{4717} \\ 4 \leftarrow \text{remainder} \end{array}$$



$$4721 \div 59 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4721} \\ \underline{4720} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 61 = 77 \text{ remainder } 24$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4721} \\ \underline{4697} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$4721 \div 67 = 70 \text{ remainder } 31$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4721} \\ \underline{4690} \\ 31 \end{array} \leftarrow \text{remainder}$$

## **P<sub>637</sub> 4723**

$$4723 \div 2 = 2361 \text{ remainder } 1$$

$$\begin{array}{r} 2361 \\ 2 \overline{) 4723} \\ \underline{4722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 3 = 1574 \text{ remainder } 1$$

$$\begin{array}{r} 1574 \\ 3 \overline{) 4723} \\ \underline{4722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 5 = 944 \text{ remainder } 3$$

$$\begin{array}{r} 944 \\ 5 \overline{) 4723} \\ \underline{4720} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 7 = 674 \text{ remainder } 5$$

$$\begin{array}{r} 674 \\ 7 \overline{) 4723} \\ \underline{4718} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 11 = 429 \text{ remainder } 4$$

$$\begin{array}{r} 429 \\ 11 \overline{) 4723} \\ \underline{4719} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 13 = 363 \text{ remainder } 4$$

$$\begin{array}{r} 363 \\ 13 \overline{) 4723} \\ \underline{4719} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 17 = 277 \text{ remainder } 14$$

$$\begin{array}{r} 277 \\ 17 \overline{) 4723} \\ \underline{4709} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 19 = 248 \text{ remainder } 11$$

$$\begin{array}{r} 248 \\ 19 \overline{) 4723} \\ \underline{4712} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 23 = 205 \text{ remainder } 8$$

$$\begin{array}{r} 205 \\ 23 \overline{) 4723} \\ \underline{4715} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 29 = 162 \text{ remainder } 25$$

$$\begin{array}{r} 162 \\ 29 \overline{) 4723} \\ \underline{4698} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 31 = 152 \text{ remainder } 11$$

$$\begin{array}{r} 152 \\ 31 \overline{) 4723} \end{array}$$

$$\begin{array}{r} 4712 \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 37 = 127 \text{ remainder } 24$$

$$\begin{array}{r} 127 \\ 37 \overline{) 4723} \\ \underline{4699} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 41 = 115 \text{ remainder } 8$$

$$\begin{array}{r} 115 \\ 41 \overline{) 4723} \\ \underline{4715} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 43 = 109 \text{ remainder } 36$$

$$\begin{array}{r} 109 \\ 43 \overline{) 4723} \\ \underline{4687} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 47 = 100 \text{ remainder } 23$$

$$\begin{array}{r} 100 \\ 47 \overline{) 4723} \\ \underline{4700} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 53 = 89 \text{ remainder } 6$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4723} \\ \underline{4717} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 59 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4723} \\ \underline{4720} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 61 = 77 \text{ remainder } 26$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4723} \\ \underline{4697} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4723 \div 67 = 70 \text{ remainder } 33$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4723} \\ \underline{4690} \\ 33 \end{array} \leftarrow \text{remainder}$$

## **P<sub>638</sub> 4729**

$$4729 \div 2 = 2364 \text{ remainder } 1$$

$$\begin{array}{r} 2364 \\ 2 \overline{) 4729} \\ \underline{4728} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 3 = 1576 \text{ remainder } 1$$

$$\begin{array}{r} 1576 \\ 3 \overline{) 4729} \\ \underline{4728} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 5 = 945 \text{ remainder } 4$$

$$\begin{array}{r} 945 \\ 5 \overline{) 4729} \\ \underline{4725} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 7 = 675 \text{ remainder } 4$$

$$\begin{array}{r} 675 \\ 7 \overline{) 4729} \\ \underline{4725} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 11 = 429 \text{ remainder } 10$$

$$\begin{array}{r} 429 \\ 11 \overline{) 4729} \\ \underline{4719} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 13 = 363 \text{ remainder } 10$$

$$\begin{array}{r} 363 \\ 13 \overline{) 4729} \\ \underline{4719} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 17 = 278 \text{ remainder } 3$$

$$\begin{array}{r} 278 \\ 17 \overline{) 4729} \\ \underline{4726} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 19 = 248 \text{ remainder } 17$$

$$\begin{array}{r} 248 \\ 19 \overline{) 4729} \\ \underline{4712} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 23 = 205 \text{ remainder } 14$$

$$\begin{array}{r} 205 \\ 23 \overline{) 4729} \\ \underline{4715} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 29 = 163 \text{ remainder } 2$$

$$\begin{array}{r} 163 \\ 29 \overline{) 4729} \\ \underline{4727} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4729 \div 31 = 152 \text{ remainder } 17$$

$$\begin{array}{r} 152 \\ 31 \overline{) 4729} \end{array}$$

$$\begin{array}{r} 4712 \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 37 = 127 \text{ remainder } 30$$

$$\begin{array}{r} 127 \\ 37 \overline{) 4729} \\ \underline{4699} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 41 = 115 \text{ remainder } 14$$

$$\begin{array}{r} 115 \\ 41 \overline{) 4729} \\ \underline{4715} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 43 = 109 \text{ remainder } 42$$

$$\begin{array}{r} 109 \\ 43 \overline{) 4729} \\ \underline{4687} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 47 = 100 \text{ remainder } 29$$

$$\begin{array}{r} 100 \\ 47 \overline{) 4729} \\ \underline{4700} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 53 = 89 \text{ remainder } 12$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4729} \\ \underline{4717} \\ 12 \leftarrow \text{remainder} \end{array}$$



$$4729 \div 59 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4729} \\ \underline{4720} \\ 9 \end{array} \quad \leftarrow \text{remainder}$$

$$4729 \div 61 = 77 \text{ remainder } 32$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4729} \\ \underline{4697} \\ 32 \end{array} \quad \leftarrow \text{remainder}$$

$$4729 \div 67 = 70 \text{ remainder } 39$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4729} \\ \underline{4690} \\ 39 \end{array} \quad \leftarrow \text{remainder}$$

## **P<sub>639</sub> 4733**

$$4733 \div 2 = 2366 \text{ remainder } 1$$

$$\begin{array}{r} 2366 \\ 2 \overline{) 4733} \\ \underline{4732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 3 = 1577 \text{ remainder } 2$$

$$\begin{array}{r} 1577 \\ 3 \overline{) 4733} \\ \underline{4731} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 5 = 946 \text{ remainder } 3$$

$$\begin{array}{r} 946 \\ 5 \overline{) 4733} \\ \underline{4730} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 7 = 676 \text{ remainder } 1$$

$$\begin{array}{r} 676 \\ 7 \overline{) 4733} \\ \underline{4732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 11 = 430 \text{ remainder } 3$$

$$\begin{array}{r} 430 \\ 11 \overline{) 4733} \\ \underline{4730} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 13 = 364 \text{ remainder } 1$$

$$\begin{array}{r} 364 \\ 13 \overline{) 4733} \\ \underline{4732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 17 = 278 \text{ remainder } 7$$

$$\begin{array}{r} 278 \\ 17 \overline{) 4733} \\ \underline{4726} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 19 = 249 \text{ remainder } 2$$

$$\begin{array}{r} 249 \\ 19 \overline{) 4733} \\ \underline{4731} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 23 = 205 \text{ remainder } 18$$

$$\begin{array}{r} 205 \\ 23 \overline{) 4733} \\ \underline{4715} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 29 = 163 \text{ remainder } 6$$

$$\begin{array}{r} 163 \\ 29 \overline{) 4733} \\ \underline{4727} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 31 = 152 \text{ remainder } 21$$

$$\begin{array}{r} 152 \\ 31 \overline{) 4733} \end{array}$$

$$\begin{array}{r} 4712 \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 37 = 127 \text{ remainder } 34$$

$$\begin{array}{r} 127 \\ 37 \overline{) 4733} \\ \underline{4699} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 41 = 115 \text{ remainder } 18$$

$$\begin{array}{r} 115 \\ 41 \overline{) 4733} \\ \underline{4715} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 43 = 110 \text{ remainder } 3$$

$$\begin{array}{r} 110 \\ 43 \overline{) 4733} \\ \underline{4730} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 47 = 100 \text{ remainder } 33$$

$$\begin{array}{r} 100 \\ 47 \overline{) 4733} \\ \underline{4700} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 53 = 89 \text{ remainder } 16$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4733} \\ \underline{4717} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 59 = 80 \text{ remainder } 13$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4733} \\ \underline{4720} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 61 = 77 \text{ remainder } 36$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4733} \\ \underline{4697} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$4733 \div 67 = 70 \text{ remainder } 43$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4733} \\ \underline{4690} \\ 43 \end{array} \leftarrow \text{remainder}$$

## **P<sub>640</sub> 4751**

$$4751 \div 2 = 2375 \text{ remainder } 1$$

$$\begin{array}{r} 2375 \\ 2 \overline{) 4751} \\ \underline{4750} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 3 = 1583 \text{ remainder } 2$$

$$\begin{array}{r} 1583 \\ 3 \overline{) 4751} \\ \underline{4749} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 5 = 950 \text{ remainder } 1$$

$$\begin{array}{r} 950 \\ 5 \overline{) 4751} \\ \underline{4750} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 7 = 678 \text{ remainder } 5$$

$$\begin{array}{r} 678 \\ 7 \overline{) 4751} \\ \underline{4746} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 11 = 431 \text{ remainder } 10$$

$$\begin{array}{r} 431 \\ 11 \overline{) 4751} \\ \underline{4741} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 13 = 365 \text{ remainder } 6$$

$$\begin{array}{r} 365 \\ 13 \overline{) 4751} \\ \underline{4745} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 17 = 279 \text{ remainder } 8$$

$$\begin{array}{r} 279 \\ 17 \overline{) 4751} \\ \underline{4743} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 19 = 250 \text{ remainder } 1$$

$$\begin{array}{r} 250 \\ 19 \overline{) 4751} \\ \underline{4750} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 23 = 206 \text{ remainder } 13$$

$$\begin{array}{r} 206 \\ 23 \overline{) 4751} \\ \underline{4738} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 29 = 163 \text{ remainder } 24$$

$$\begin{array}{r} 163 \\ 29 \overline{) 4751} \\ \underline{4727} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 31 = 153 \text{ remainder } 8$$

$$\begin{array}{r} 153 \\ 31 \overline{) 4751} \end{array}$$

4743

----

8 ← remainder

$$4751 \div 37 = 128 \text{ remainder } 15$$

$$\begin{array}{r} 128 \\ 37 \overline{) 4751} \\ \underline{4736} \end{array}$$

----

15 ← remainder

$$4751 \div 41 = 115 \text{ remainder } 36$$

$$\begin{array}{r} 115 \\ 41 \overline{) 4751} \\ \underline{4715} \end{array}$$

----

36 ← remainder

$$4751 \div 43 = 110 \text{ remainder } 21$$

$$\begin{array}{r} 110 \\ 43 \overline{) 4751} \\ \underline{4730} \end{array}$$

----

21 ← remainder

$$4751 \div 47 = 101 \text{ remainder } 4$$

$$\begin{array}{r} 101 \\ 47 \overline{) 4751} \\ \underline{4747} \end{array}$$

----

4 ← remainder

$$4751 \div 53 = 89 \text{ remainder } 34$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4751} \\ \underline{4717} \end{array}$$

----

34 ← remainder



$$4751 \div 59 = 80 \text{ remainder } 31$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4751} \\ \underline{4720} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 61 = 77 \text{ remainder } 54$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4751} \\ \underline{4697} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$4751 \div 67 = 70 \text{ remainder } 61$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4751} \\ \underline{4690} \\ 61 \end{array} \leftarrow \text{remainder}$$

## **P<sub>641</sub> 4759**

$$4759 \div 2 = 2379 \text{ remainder } 1$$

$$\begin{array}{r} 2379 \\ 2 \overline{) 4759} \\ \underline{4758} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 3 = 1586 \text{ remainder } 1$$

$$\begin{array}{r} 1586 \\ 3 \overline{) 4759} \\ \underline{4758} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 5 = 951 \text{ remainder } 4$$

$$\begin{array}{r} 951 \\ 5 \overline{) 4759} \\ \underline{4755} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 7 = 679 \text{ remainder } 6$$

$$\begin{array}{r} 679 \\ 7 \overline{) 4759} \\ \underline{4753} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 11 = 432 \text{ remainder } 7$$

$$\begin{array}{r} 432 \\ 11 \overline{) 4759} \\ \underline{4752} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 13 = 366 \text{ remainder } 1$$

$$\begin{array}{r} 366 \\ 13 \overline{) 4759} \\ \underline{4758} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 17 = 279 \text{ remainder } 16$$

$$\begin{array}{r} 279 \\ 17 \overline{) 4759} \\ \underline{4743} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 19 = 250 \text{ remainder } 9$$

$$\begin{array}{r} 250 \\ 19 \overline{) 4759} \\ \underline{4750} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 23 = 206 \text{ remainder } 21$$

$$\begin{array}{r} 206 \\ 23 \overline{) 4759} \\ \underline{4738} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 29 = 164 \text{ remainder } 3$$

$$\begin{array}{r} 164 \\ 29 \overline{) 4759} \\ \underline{4756} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 31 = 153 \text{ remainder } 16$$

$$\begin{array}{r} 153 \\ 31 \overline{) 4759} \end{array}$$

$$\begin{array}{r} 4743 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4759 \div 37 = 128 \text{ remainder } 23$$

$$\begin{array}{r} 128 \\ 37 \overline{) 4759} \\ \underline{4736} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4759 \div 41 = 116 \text{ remainder } 3$$

$$\begin{array}{r} 116 \\ 41 \overline{) 4759} \\ \underline{4756} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4759 \div 43 = 110 \text{ remainder } 29$$

$$\begin{array}{r} 110 \\ 43 \overline{) 4759} \\ \underline{4730} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4759 \div 47 = 101 \text{ remainder } 12$$

$$\begin{array}{r} 101 \\ 47 \overline{) 4759} \\ \underline{4747} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4759 \div 53 = 89 \text{ remainder } 42$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4759} \\ \underline{4717} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$4759 \div 59 = 80 \text{ remainder } 39$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4759} \\ \underline{4720} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 61 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4759} \\ \underline{4758} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4759 \div 67 = 71 \text{ remainder } 2$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4759} \\ \underline{4757} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>642</sub> 4783**

$$4783 \div 2 = 2391 \text{ remainder } 1$$

$$\begin{array}{r} 2391 \\ 2 \overline{) 4783} \\ \underline{4782} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4783 \div 3 = 1594 \text{ remainder } 1$$

$$\begin{array}{r} 1594 \\ 3 \overline{) 4783} \\ \underline{4782} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4783 \div 5 = 956 \text{ remainder } 3$$

$$\begin{array}{r} 956 \\ 5 \overline{) 4783} \\ \underline{4780} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4783 \div 7 = 683 \text{ remainder } 2$$

$$\begin{array}{r} 683 \\ 7 \overline{) 4783} \\ \underline{4781} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4783 \div 11 = 434 \text{ remainder } 9$$

$$\begin{array}{r} 434 \\ 11 \overline{) 4783} \\ \underline{4774} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4783 \div 13 = 367 \text{ remainder } 12$$

$$\begin{array}{r} 367 \\ 13 \overline{) 4783} \\ \underline{4771} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4783 \div 17 = 281 \text{ remainder } 6$$

$$\begin{array}{r} 281 \\ 17 \overline{) 4783} \\ \underline{4777} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4783 \div 19 = 251 \text{ remainder } 14$$

$$\begin{array}{r} 251 \\ 19 \overline{) 4783} \\ \underline{4769} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4783 \div 23 = 207 \text{ remainder } 22$$

$$\begin{array}{r} 207 \\ 23 \overline{) 4783} \\ \underline{4761} \phantom{00} \\ 22 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4783 \div 29 = 164 \text{ remainder } 27$$

$$\begin{array}{r} 164 \\ 29 \overline{) 4783} \\ \underline{4756} \phantom{00} \\ 27 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4783 \div 31 = 154 \text{ remainder } 9$$

$$\begin{array}{r} 154 \\ 31 \overline{) 4783} \end{array}$$

$$\begin{array}{r} 4774 \\ ---- \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 37 = 129 \text{ remainder } 10$$

$$\begin{array}{r} 129 \\ 37 \overline{) 4783} \\ \underline{4773} \phantom{0} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 41 = 116 \text{ remainder } 27$$

$$\begin{array}{r} 116 \\ 41 \overline{) 4783} \\ \underline{4756} \phantom{0} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 43 = 111 \text{ remainder } 10$$

$$\begin{array}{r} 111 \\ 43 \overline{) 4783} \\ \underline{4773} \phantom{0} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 47 = 101 \text{ remainder } 36$$

$$\begin{array}{r} 101 \\ 47 \overline{) 4783} \\ \underline{4747} \phantom{0} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 53 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4783} \\ \underline{4770} \phantom{0} \\ 13 \leftarrow \text{remainder} \end{array}$$



$$4783 \div 59 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4783} \\ \underline{4779} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4783 \div 61 = 78 \text{ remainder } 25$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4783} \\ \underline{4758} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$4783 \div 67 = 71 \text{ remainder } 26$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4783} \\ \underline{4757} \\ 26 \end{array} \leftarrow \text{remainder}$$

## **P<sub>643</sub> 4787**

$$4787 \div 2 = 2393 \text{ remainder } 1$$

$$\begin{array}{r} 2393 \\ 2 \overline{) 4787} \\ \underline{4786} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 3 = 1595 \text{ remainder } 2$$

$$\begin{array}{r} 1595 \\ 3 \overline{) 4787} \\ \underline{4785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 5 = 957 \text{ remainder } 2$$

$$\begin{array}{r} 957 \\ 5 \overline{) 4787} \\ \underline{4785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 7 = 683 \text{ remainder } 6$$

$$\begin{array}{r} 683 \\ 7 \overline{) 4787} \\ \underline{4781} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 11 = 435 \text{ remainder } 2$$

$$\begin{array}{r} 435 \\ 11 \overline{) 4787} \\ \underline{4785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 13 = 368 \text{ remainder } 3$$

$$\begin{array}{r} 368 \\ 13 \overline{) 4787} \\ \underline{4784} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 17 = 281 \text{ remainder } 10$$

$$\begin{array}{r} 281 \\ 17 \overline{) 4787} \\ \underline{4777} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 19 = 251 \text{ remainder } 18$$

$$\begin{array}{r} 251 \\ 19 \overline{) 4787} \\ \underline{4769} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 23 = 208 \text{ remainder } 3$$

$$\begin{array}{r} 208 \\ 23 \overline{) 4787} \\ \underline{4784} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 29 = 165 \text{ remainder } 2$$

$$\begin{array}{r} 165 \\ 29 \overline{) 4787} \\ \underline{4785} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 31 = 154 \text{ remainder } 13$$

$$\begin{array}{r} 154 \\ 31 \overline{) 4787} \end{array}$$

$$\begin{array}{r} 4774 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 37 = 129 \text{ remainder } 14$$

$$\begin{array}{r} 129 \\ 37 \mid \overline{4787} \\ \underline{4773} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 41 = 116 \text{ remainder } 31$$

$$\begin{array}{r} 116 \\ 41 \mid \overline{4787} \\ \underline{4756} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 43 = 111 \text{ remainder } 14$$

$$\begin{array}{r} 111 \\ 43 \mid \overline{4787} \\ \underline{4773} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 47 = 101 \text{ remainder } 40$$

$$\begin{array}{r} 101 \\ 47 \mid \overline{4787} \\ \underline{4747} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 53 = 90 \text{ remainder } 17$$

$$\begin{array}{r} 90 \\ 53 \mid \overline{4787} \\ \underline{4770} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 59 = 81 \text{ remainder } 8$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4787} \\ \underline{4779} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 61 = 78 \text{ remainder } 29$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4787} \\ \underline{4758} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$4787 \div 67 = 71 \text{ remainder } 30$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4787} \\ \underline{4757} \\ 30 \end{array} \leftarrow \text{remainder}$$

## **P<sub>644</sub> 4789**

$$4789 \div 2 = 2394 \text{ remainder } 1$$

$$\begin{array}{r} 2394 \\ 2 \overline{) 4789} \\ \underline{4788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 3 = 1596 \text{ remainder } 1$$

$$\begin{array}{r} 1596 \\ 3 \overline{) 4789} \\ \underline{4788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 5 = 957 \text{ remainder } 4$$

$$\begin{array}{r} 957 \\ 5 \overline{) 4789} \\ \underline{4785} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 7 = 684 \text{ remainder } 1$$

$$\begin{array}{r} 684 \\ 7 \overline{) 4789} \\ \underline{4788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 11 = 435 \text{ remainder } 4$$

$$\begin{array}{r} 435 \\ 11 \overline{) 4789} \\ \underline{4785} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 13 = 368 \text{ remainder } 5$$

$$\begin{array}{r} 368 \\ 13 \overline{) 4789} \\ \underline{4784} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 17 = 281 \text{ remainder } 12$$

$$\begin{array}{r} 281 \\ 17 \overline{) 4789} \\ \underline{4777} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 19 = 252 \text{ remainder } 1$$

$$\begin{array}{r} 252 \\ 19 \overline{) 4789} \\ \underline{4788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 23 = 208 \text{ remainder } 5$$

$$\begin{array}{r} 208 \\ 23 \overline{) 4789} \\ \underline{4784} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 29 = 165 \text{ remainder } 4$$

$$\begin{array}{r} 165 \\ 29 \overline{) 4789} \\ \underline{4785} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 31 = 154 \text{ remainder } 15$$

$$\begin{array}{r} 154 \\ 31 \overline{) 4789} \end{array}$$

$$\begin{array}{r} 4774 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 37 = 129 \text{ remainder } 16$$

$$\begin{array}{r} 129 \\ 37 \overline{) 4789} \\ \underline{4773} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 41 = 116 \text{ remainder } 33$$

$$\begin{array}{r} 116 \\ 41 \overline{) 4789} \\ \underline{4756} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 43 = 111 \text{ remainder } 16$$

$$\begin{array}{r} 111 \\ 43 \overline{) 4789} \\ \underline{4773} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 47 = 101 \text{ remainder } 42$$

$$\begin{array}{r} 101 \\ 47 \overline{) 4789} \\ \underline{4747} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 53 = 90 \text{ remainder } 19$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4789} \\ \underline{4770} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$



$$4789 \div 59 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4789} \\ \underline{4779} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 61 = 78 \text{ remainder } 31$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4789} \\ \underline{4758} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$4789 \div 67 = 71 \text{ remainder } 32$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4789} \\ \underline{4757} \\ 32 \end{array} \leftarrow \text{remainder}$$

## **P<sub>645</sub> 4793**

$$4793 \div 2 = 2396 \text{ remainder } 1$$

$$\begin{array}{r} 2396 \text{ ---} \\ 2 \mid \overline{4793} \\ \underline{4792} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 3 = 1597 \text{ remainder } 2$$

$$\begin{array}{r} 1597 \text{ ---} \\ 3 \mid \overline{4793} \\ \underline{4791} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 5 = 958 \text{ remainder } 3$$

$$\begin{array}{r} 958 \text{ ---} \\ 5 \mid \overline{4793} \\ \underline{4790} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 7 = 684 \text{ remainder } 5$$

$$\begin{array}{r} 684 \text{ ---} \\ 7 \mid \overline{4793} \\ \underline{4788} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 11 = 435 \text{ remainder } 8$$

$$\begin{array}{r} 435 \text{ ---} \\ 11 \mid \overline{4793} \\ \underline{4785} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 13 = 368 \text{ remainder } 9$$

$$\begin{array}{r} 368 \\ 13 \overline{) 4793} \\ \underline{4784} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4793 \div 17 = 281 \text{ remainder } 16$$

$$\begin{array}{r} 281 \\ 17 \overline{) 4793} \\ \underline{4777} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4793 \div 19 = 252 \text{ remainder } 5$$

$$\begin{array}{r} 252 \\ 19 \overline{) 4793} \\ \underline{4788} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4793 \div 23 = 208 \text{ remainder } 9$$

$$\begin{array}{r} 208 \\ 23 \overline{) 4793} \\ \underline{4784} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4793 \div 29 = 165 \text{ remainder } 8$$

$$\begin{array}{r} 165 \\ 29 \overline{) 4793} \\ \underline{4785} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4793 \div 31 = 154 \text{ remainder } 19$$

$$\begin{array}{r} 154 \\ 31 \overline{) 4793} \end{array}$$

$$\begin{array}{r} 4774 \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 37 = 129 \text{ remainder } 20$$

$$\begin{array}{r} 129 \\ 37 \overline{) 4793} \\ \underline{4773} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 41 = 116 \text{ remainder } 37$$

$$\begin{array}{r} 116 \\ 41 \overline{) 4793} \\ \underline{4756} \\ - - - - \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 43 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 43 \overline{) 4793} \\ \underline{4773} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 47 = 101 \text{ remainder } 46$$

$$\begin{array}{r} 101 \\ 47 \overline{) 4793} \\ \underline{4747} \\ - - - - \\ 46 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 53 = 90 \text{ remainder } 23$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4793} \\ \underline{4770} \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 59 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4793} \\ \underline{4779} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4793 \div 61 = 78 \text{ remainder } 35$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4793} \\ \underline{4758} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$4793 \div 67 = 71 \text{ remainder } 36$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4793} \\ \underline{4757} \\ 36 \end{array} \leftarrow \text{remainder}$$

## **P<sub>646</sub> 4799**

$$4799 \div 2 = 2399 \text{ remainder } 1$$

$$\begin{array}{r} 2399 \\ 2 \overline{) 4799} \\ \underline{4798} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 3 = 1599 \text{ remainder } 2$$

$$\begin{array}{r} 1599 \\ 3 \overline{) 4799} \\ \underline{4797} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 5 = 959 \text{ remainder } 4$$

$$\begin{array}{r} 959 \\ 5 \overline{) 4799} \\ \underline{4795} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 7 = 685 \text{ remainder } 4$$

$$\begin{array}{r} 685 \\ 7 \overline{) 4799} \\ \underline{4795} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 11 = 436 \text{ remainder } 3$$

$$\begin{array}{r} 436 \\ 11 \overline{) 4799} \\ \underline{4796} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 13 = 369 \text{ remainder } 2$$

$$\begin{array}{r} 369 \\ 13 \overline{) 4799} \\ \underline{4797} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 17 = 282 \text{ remainder } 5$$

$$\begin{array}{r} 282 \\ 17 \overline{) 4799} \\ \underline{4794} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 19 = 252 \text{ remainder } 11$$

$$\begin{array}{r} 252 \\ 19 \overline{) 4799} \\ \underline{4788} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 23 = 208 \text{ remainder } 15$$

$$\begin{array}{r} 208 \\ 23 \overline{) 4799} \\ \underline{4784} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 29 = 165 \text{ remainder } 14$$

$$\begin{array}{r} 165 \\ 29 \overline{) 4799} \\ \underline{4785} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 31 = 154 \text{ remainder } 25$$

$$\begin{array}{r} 154 \\ 31 \overline{) 4799} \end{array}$$

$$\begin{array}{r} 4774 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 37 = 129 \text{ remainder } 26$$

$$\begin{array}{r} 129 \\ 37 \overline{) 4799} \\ \underline{4773} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 41 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 41 \overline{) 4799} \\ \underline{4797} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 43 = 111 \text{ remainder } 26$$

$$\begin{array}{r} 111 \\ 43 \overline{) 4799} \\ \underline{4773} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 47 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 47 \overline{) 4799} \\ \underline{4794} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 53 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4799} \\ \underline{4770} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$



$$4799 \div 59 = 81 \text{ remainder } 20$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4799} \\ \underline{4779} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 61 = 78 \text{ remainder } 41$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4799} \\ \underline{4758} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$4799 \div 67 = 71 \text{ remainder } 42$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4799} \\ \underline{4757} \\ 42 \end{array} \leftarrow \text{remainder}$$

## **P<sub>647</sub> 4801**

$$4801 \div 2 = 2400 \text{ remainder } 1$$

$$\begin{array}{r} 2400 \\ 2 \overline{) 4801} \\ \underline{4800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 3 = 1600 \text{ remainder } 1$$

$$\begin{array}{r} 1600 \\ 3 \overline{) 4801} \\ \underline{4800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 5 = 960 \text{ remainder } 1$$

$$\begin{array}{r} 960 \\ 5 \overline{) 4801} \\ \underline{4800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 7 = 685 \text{ remainder } 6$$

$$\begin{array}{r} 685 \\ 7 \overline{) 4801} \\ \underline{4795} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 11 = 436 \text{ remainder } 5$$

$$\begin{array}{r} 436 \\ 11 \overline{) 4801} \\ \underline{4796} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 13 = 369 \text{ remainder } 4$$

$$\begin{array}{r} 369 \\ 13 \overline{) 4801} \\ \underline{4797} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 17 = 282 \text{ remainder } 7$$

$$\begin{array}{r} 282 \\ 17 \overline{) 4801} \\ \underline{4794} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 19 = 252 \text{ remainder } 13$$

$$\begin{array}{r} 252 \\ 19 \overline{) 4801} \\ \underline{4788} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 23 = 208 \text{ remainder } 17$$

$$\begin{array}{r} 208 \\ 23 \overline{) 4801} \\ \underline{4784} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 29 = 165 \text{ remainder } 16$$

$$\begin{array}{r} 165 \\ 29 \overline{) 4801} \\ \underline{4785} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 31 = 154 \text{ remainder } 27$$

$$\begin{array}{r} 154 \\ 31 \overline{) 4801} \end{array}$$

$$\begin{array}{r} 4774 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 37 = 129 \text{ remainder } 28$$

$$\begin{array}{r} 129 \\ 37 \overline{) 4801} \\ \underline{4773} \phantom{00} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 41 = 117 \text{ remainder } 4$$

$$\begin{array}{r} 117 \\ 41 \overline{) 4801} \\ \underline{4797} \phantom{00} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 43 = 111 \text{ remainder } 28$$

$$\begin{array}{r} 111 \\ 43 \overline{) 4801} \\ \underline{4773} \phantom{00} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 47 = 102 \text{ remainder } 7$$

$$\begin{array}{r} 102 \\ 47 \overline{) 4801} \\ \underline{4794} \phantom{00} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 53 = 90 \text{ remainder } 31$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4801} \\ \underline{4770} \phantom{00} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 59 = 81 \text{ remainder } 22$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4801} \\ \underline{4779} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 61 = 78 \text{ remainder } 43$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4801} \\ \underline{4758} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$4801 \div 67 = 71 \text{ remainder } 44$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4801} \\ \underline{4757} \\ 44 \end{array} \leftarrow \text{remainder}$$

## **P<sub>648</sub> 4813**

$$4813 \div 2 = 2406 \text{ remainder } 1$$

$$\begin{array}{r} 2406 \\ 2 \overline{) 4813} \\ \underline{4812} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 3 = 1604 \text{ remainder } 1$$

$$\begin{array}{r} 1604 \\ 3 \overline{) 4813} \\ \underline{4812} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 5 = 962 \text{ remainder } 3$$

$$\begin{array}{r} 962 \\ 5 \overline{) 4813} \\ \underline{4810} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 7 = 687 \text{ remainder } 4$$

$$\begin{array}{r} 687 \\ 7 \overline{) 4813} \\ \underline{4809} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 11 = 437 \text{ remainder } 6$$

$$\begin{array}{r} 437 \\ 11 \overline{) 4813} \\ \underline{4807} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 13 = 370 \text{ remainder } 3$$

$$\begin{array}{r} 370 \\ 13 \overline{) 4813} \\ \underline{4810} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 17 = 283 \text{ remainder } 2$$

$$\begin{array}{r} 283 \\ 17 \overline{) 4813} \\ \underline{4811} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 19 = 253 \text{ remainder } 6$$

$$\begin{array}{r} 253 \\ 19 \overline{) 4813} \\ \underline{4807} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 23 = 209 \text{ remainder } 6$$

$$\begin{array}{r} 209 \\ 23 \overline{) 4813} \\ \underline{4807} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 29 = 165 \text{ remainder } 28$$

$$\begin{array}{r} 165 \\ 29 \overline{) 4813} \\ \underline{4785} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 31 = 155 \text{ remainder } 8$$

$$\begin{array}{r} 155 \\ 31 \overline{) 4813} \end{array}$$

4805

----

8 ← remainder

$$4813 \div 37 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 37 \overline{) 4813} \\ \underline{4810} \end{array}$$

----

3 ← remainder

$$4813 \div 41 = 117 \text{ remainder } 16$$

$$\begin{array}{r} 117 \\ 41 \overline{) 4813} \\ \underline{4797} \end{array}$$

----

16 ← remainder

$$4813 \div 43 = 111 \text{ remainder } 40$$

$$\begin{array}{r} 111 \\ 43 \overline{) 4813} \\ \underline{4773} \end{array}$$

----

40 ← remainder

$$4813 \div 47 = 102 \text{ remainder } 19$$

$$\begin{array}{r} 102 \\ 47 \overline{) 4813} \\ \underline{4794} \end{array}$$

----

19 ← remainder

$$4813 \div 53 = 90 \text{ remainder } 43$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4813} \\ \underline{4770} \end{array}$$

----

43 ← remainder



$$4813 \div 59 = 81 \text{ remainder } 34$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4813} \\ \underline{4779} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 61 = 78 \text{ remainder } 55$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4813} \\ \underline{4758} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$4813 \div 67 = 71 \text{ remainder } 56$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4813} \\ \underline{4757} \\ 56 \end{array} \leftarrow \text{remainder}$$

## **P<sub>649</sub> 4817**

$$4817 \div 2 = 2408 \text{ remainder } 1$$

$$\begin{array}{r} 2408 \\ 2 \overline{) 4817} \\ \underline{4816} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 3 = 1605 \text{ remainder } 2$$

$$\begin{array}{r} 1605 \\ 3 \overline{) 4817} \\ \underline{4815} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 5 = 963 \text{ remainder } 2$$

$$\begin{array}{r} 963 \\ 5 \overline{) 4817} \\ \underline{4815} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 7 = 688 \text{ remainder } 1$$

$$\begin{array}{r} 688 \\ 7 \overline{) 4817} \\ \underline{4816} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 11 = 437 \text{ remainder } 10$$

$$\begin{array}{r} 437 \\ 11 \overline{) 4817} \\ \underline{4807} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 13 = 370 \text{ remainder } 7$$

$$\begin{array}{r} 370 \\ 13 \overline{) 4817} \\ \underline{4810} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 17 = 283 \text{ remainder } 6$$

$$\begin{array}{r} 283 \\ 17 \overline{) 4817} \\ \underline{4811} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 19 = 253 \text{ remainder } 10$$

$$\begin{array}{r} 253 \\ 19 \overline{) 4817} \\ \underline{4807} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 23 = 209 \text{ remainder } 10$$

$$\begin{array}{r} 209 \\ 23 \overline{) 4817} \\ \underline{4807} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 29 = 166 \text{ remainder } 3$$

$$\begin{array}{r} 166 \\ 29 \overline{) 4817} \\ \underline{4814} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 31 = 155 \text{ remainder } 12$$

$$\begin{array}{r} 155 \\ 31 \overline{) 4817} \end{array}$$

$$\begin{array}{r} 4805 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 37 = 130 \text{ remainder } 7$$

$$\begin{array}{r} 130 \\ 37 \overline{) 4817} \\ \underline{4810} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 41 = 117 \text{ remainder } 20$$

$$\begin{array}{r} 117 \\ 41 \overline{) 4817} \\ \underline{4797} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 43 = 112 \text{ remainder } 1$$

$$\begin{array}{r} 112 \\ 43 \overline{) 4817} \\ \underline{4816} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 47 = 102 \text{ remainder } 23$$

$$\begin{array}{r} 102 \\ 47 \overline{) 4817} \\ \underline{4794} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 53 = 90 \text{ remainder } 47$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4817} \\ \underline{4770} \\ \text{----} \\ 47 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 59 = 81 \text{ remainder } 38$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4817} \\ \underline{4779} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 61 = 78 \text{ remainder } 59$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4817} \\ \underline{4758} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$4817 \div 67 = 71 \text{ remainder } 60$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4817} \\ \underline{4757} \\ 60 \end{array} \leftarrow \text{remainder}$$

## **P<sub>650</sub> 4831**

$$4831 \div 2 = 2415 \text{ remainder } 1$$

$$\begin{array}{r} 2415 \\ 2 \overline{) 4831} \\ \underline{4830} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 3 = 1610 \text{ remainder } 1$$

$$\begin{array}{r} 1610 \\ 3 \overline{) 4831} \\ \underline{4830} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 5 = 966 \text{ remainder } 1$$

$$\begin{array}{r} 966 \\ 5 \overline{) 4831} \\ \underline{4830} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 7 = 690 \text{ remainder } 1$$

$$\begin{array}{r} 690 \\ 7 \overline{) 4831} \\ \underline{4830} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 11 = 439 \text{ remainder } 2$$

$$\begin{array}{r} 439 \\ 11 \overline{) 4831} \\ \underline{4829} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 13 = 371 \text{ remainder } 8$$

$$\begin{array}{r} 371 \\ 13 \overline{) 4831} \\ \underline{4823} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 17 = 284 \text{ remainder } 3$$

$$\begin{array}{r} 284 \\ 17 \overline{) 4831} \\ \underline{4828} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 19 = 254 \text{ remainder } 5$$

$$\begin{array}{r} 254 \\ 19 \overline{) 4831} \\ \underline{4826} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 23 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 23 \overline{) 4831} \\ \underline{4830} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 29 = 166 \text{ remainder } 17$$

$$\begin{array}{r} 166 \\ 29 \overline{) 4831} \\ \underline{4814} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 31 = 155 \text{ remainder } 26$$

$$\begin{array}{r} 155 \\ 31 \overline{) 4831} \end{array}$$

4805  
 ----  
 26 ← remainder

$$4831 \div 37 = 130 \text{ remainder } 21$$

37 |  $\overline{4831}$   
 130  
 4810  
 ----  
 21 ← remainder

$$4831 \div 41 = 117 \text{ remainder } 34$$

41 |  $\overline{4831}$   
 117  
 4797  
 ----  
 34 ← remainder

$$4831 \div 43 = 112 \text{ remainder } 15$$

43 |  $\overline{4831}$   
 112  
 4816  
 ----  
 15 ← remainder

$$4831 \div 47 = 102 \text{ remainder } 37$$

47 |  $\overline{4831}$   
 102  
 4794  
 ----  
 37 ← remainder

$$4831 \div 53 = 91 \text{ remainder } 8$$

53 |  $\overline{4831}$   
 91  
 4823  
 ----  
 8 ← remainder



$$4831 \div 59 = 81 \text{ remainder } 52$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4831} \\ \underline{4779} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 61 = 79 \text{ remainder } 12$$

$$\begin{array}{r} 79 \\ 61 \overline{) 4831} \\ \underline{4819} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 67 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4831} \\ \underline{4824} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>651</sub> 4861**

$$4861 \div 2 = 2430 \text{ remainder } 1$$

$$\begin{array}{r} 2430 \\ 2 \overline{) 4861} \\ \underline{4860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 3 = 1620 \text{ remainder } 1$$

$$\begin{array}{r} 1620 \\ 3 \overline{) 4861} \\ \underline{4860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 5 = 972 \text{ remainder } 1$$

$$\begin{array}{r} 972 \\ 5 \overline{) 4861} \\ \underline{4860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 7 = 694 \text{ remainder } 3$$

$$\begin{array}{r} 694 \\ 7 \overline{) 4861} \\ \underline{4858} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 11 = 441 \text{ remainder } 10$$

$$\begin{array}{r} 441 \\ 11 \overline{) 4861} \\ \underline{4851} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 13 = 373 \text{ remainder } 12$$

$$\begin{array}{r} 373 \\ 13 \overline{) 4861} \\ \underline{4849} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 17 = 285 \text{ remainder } 16$$

$$\begin{array}{r} 285 \\ 17 \overline{) 4861} \\ \underline{4845} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 19 = 255 \text{ remainder } 16$$

$$\begin{array}{r} 255 \\ 19 \overline{) 4861} \\ \underline{4845} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 23 = 211 \text{ remainder } 8$$

$$\begin{array}{r} 211 \\ 23 \overline{) 4861} \\ \underline{4853} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 29 = 167 \text{ remainder } 18$$

$$\begin{array}{r} 167 \\ 29 \overline{) 4861} \\ \underline{4843} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 31 = 156 \text{ remainder } 25$$

$$\begin{array}{r} 156 \\ 31 \overline{) 4861} \end{array}$$

$$\begin{array}{r} 4836 \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4861 \div 37 = 131 \text{ remainder } 14$$

$$\begin{array}{r} 131 \\ 37 \overline{) 4861} \\ \underline{4847} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4861 \div 41 = 118 \text{ remainder } 23$$

$$\begin{array}{r} 118 \\ 41 \overline{) 4861} \\ \underline{4838} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4861 \div 43 = 113 \text{ remainder } 2$$

$$\begin{array}{r} 113 \\ 43 \overline{) 4861} \\ \underline{4859} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4861 \div 47 = 103 \text{ remainder } 20$$

$$\begin{array}{r} 103 \\ 47 \overline{) 4861} \\ \underline{4841} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4861 \div 53 = 91 \text{ remainder } 38$$

$$\begin{array}{r} 91 \\ 53 \overline{) 4861} \\ \underline{4823} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4861 \div 59 = 82 \text{ remainder } 23$$

$$\begin{array}{r} 82 \\ 59 \overline{) 4861} \\ \underline{4838} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 61 = 79 \text{ remainder } 42$$

$$\begin{array}{r} 79 \\ 61 \overline{) 4861} \\ \underline{4819} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 67 = 72 \text{ remainder } 37$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4861} \\ \underline{4824} \\ 37 \end{array} \leftarrow \text{remainder}$$

## **P<sub>652</sub> 4871**

$$4871 \div 2 = 2435 \text{ remainder } 1$$

$$\begin{array}{r} 2435 \\ 2 \overline{) 4871} \\ \underline{4870} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 3 = 1623 \text{ remainder } 2$$

$$\begin{array}{r} 1623 \\ 3 \overline{) 4871} \\ \underline{4869} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 5 = 974 \text{ remainder } 1$$

$$\begin{array}{r} 974 \\ 5 \overline{) 4871} \\ \underline{4870} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 7 = 695 \text{ remainder } 6$$

$$\begin{array}{r} 695 \\ 7 \overline{) 4871} \\ \underline{4865} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 11 = 442 \text{ remainder } 9$$

$$\begin{array}{r} 442 \\ 11 \overline{) 4871} \\ \underline{4862} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 13 = 374 \text{ remainder } 9$$

$$\begin{array}{r} 374 \\ 13 \overline{) 4871} \\ \underline{4862} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 17 = 286 \text{ remainder } 9$$

$$\begin{array}{r} 286 \\ 17 \overline{) 4871} \\ \underline{4862} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 19 = 256 \text{ remainder } 7$$

$$\begin{array}{r} 256 \\ 19 \overline{) 4871} \\ \underline{4864} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 23 = 211 \text{ remainder } 18$$

$$\begin{array}{r} 211 \\ 23 \overline{) 4871} \\ \underline{4853} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 29 = 167 \text{ remainder } 28$$

$$\begin{array}{r} 167 \\ 29 \overline{) 4871} \\ \underline{4843} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 31 = 157 \text{ remainder } 4$$

$$\begin{array}{r} 157 \\ 31 \overline{) 4871} \end{array}$$

$$\begin{array}{r} 4867 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 37 = 131 \text{ remainder } 24$$

$$\begin{array}{r} 131 \\ 37 \overline{) 4871} \\ \underline{4847} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 41 = 118 \text{ remainder } 33$$

$$\begin{array}{r} 118 \\ 41 \overline{) 4871} \\ \underline{4838} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 43 = 113 \text{ remainder } 12$$

$$\begin{array}{r} 113 \\ 43 \overline{) 4871} \\ \underline{4859} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 47 = 103 \text{ remainder } 30$$

$$\begin{array}{r} 103 \\ 47 \overline{) 4871} \\ \underline{4841} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 53 = 91 \text{ remainder } 48$$

$$\begin{array}{r} 91 \\ 53 \overline{) 4871} \\ \underline{4823} \\ 48 \leftarrow \text{remainder} \end{array}$$



$$4871 \div 59 = 82 \text{ remainder } 33$$

$$\begin{array}{r} 82 \\ 59 \overline{) 4871} \\ \underline{4838} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 61 = 79 \text{ remainder } 52$$

$$\begin{array}{r} 79 \\ 61 \overline{) 4871} \\ \underline{4819} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$4871 \div 67 = 72 \text{ remainder } 47$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4871} \\ \underline{4824} \\ 47 \end{array} \leftarrow \text{remainder}$$

## **P<sub>653</sub> 4877**

$$4877 \div 2 = 2438 \text{ remainder } 1$$

$$\begin{array}{r} 2438 \\ 2 \overline{) 4877} \\ \underline{4876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 3 = 1625 \text{ remainder } 2$$

$$\begin{array}{r} 1625 \\ 3 \overline{) 4877} \\ \underline{4875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 5 = 975 \text{ remainder } 2$$

$$\begin{array}{r} 975 \\ 5 \overline{) 4877} \\ \underline{4875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 7 = 696 \text{ remainder } 5$$

$$\begin{array}{r} 696 \\ 7 \overline{) 4877} \\ \underline{4872} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 11 = 443 \text{ remainder } 4$$

$$\begin{array}{r} 443 \\ 11 \overline{) 4877} \\ \underline{4873} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 13 = 375 \text{ remainder } 2$$

$$\begin{array}{r} 375 \\ 13 \overline{) 4877} \\ \underline{4875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 17 = 286 \text{ remainder } 15$$

$$\begin{array}{r} 286 \\ 17 \overline{) 4877} \\ \underline{4862} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 19 = 256 \text{ remainder } 13$$

$$\begin{array}{r} 256 \\ 19 \overline{) 4877} \\ \underline{4864} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 23 = 212 \text{ remainder } 1$$

$$\begin{array}{r} 212 \\ 23 \overline{) 4877} \\ \underline{4876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 29 = 168 \text{ remainder } 5$$

$$\begin{array}{r} 168 \\ 29 \overline{) 4877} \\ \underline{4872} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 31 = 157 \text{ remainder } 10$$

$$\begin{array}{r} 157 \\ 31 \overline{) 4877} \end{array}$$

$$\begin{array}{r} 4867 \\ - - - - \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4877 \div 37 = 131 \text{ remainder } 30$$

$$\begin{array}{r} 131 \\ 37 \overline{) 4877} \\ \underline{4847} \phantom{00} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4877 \div 41 = 118 \text{ remainder } 39$$

$$\begin{array}{r} 118 \\ 41 \overline{) 4877} \\ \underline{4838} \phantom{00} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$4877 \div 43 = 113 \text{ remainder } 18$$

$$\begin{array}{r} 113 \\ 43 \overline{) 4877} \\ \underline{4859} \phantom{00} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$4877 \div 47 = 103 \text{ remainder } 36$$

$$\begin{array}{r} 103 \\ 47 \overline{) 4877} \\ \underline{4841} \phantom{00} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4877 \div 53 = 92 \text{ remainder } 1$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4877} \\ \underline{4876} \phantom{00} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4877 \div 59 = 82 \text{ remainder } 39$$

$$\begin{array}{r} 82 \\ 59 \overline{) 4877} \\ \underline{4838} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 61 = 79 \text{ remainder } 58$$

$$\begin{array}{r} 79 \\ 61 \overline{) 4877} \\ \underline{4819} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 67 = 72 \text{ remainder } 53$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4877} \\ \underline{4824} \\ 53 \end{array} \leftarrow \text{remainder}$$

## **P<sub>654</sub> 4889**

$$4889 \div 2 = 2444 \text{ remainder } 1$$

$$\begin{array}{r} 2444 \\ 2 \overline{) 4889} \\ \underline{4888} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 3 = 1629 \text{ remainder } 2$$

$$\begin{array}{r} 1629 \\ 3 \overline{) 4889} \\ \underline{4887} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 5 = 977 \text{ remainder } 4$$

$$\begin{array}{r} 977 \\ 5 \overline{) 4889} \\ \underline{4885} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 7 = 698 \text{ remainder } 3$$

$$\begin{array}{r} 698 \\ 7 \overline{) 4889} \\ \underline{4886} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 11 = 444 \text{ remainder } 5$$

$$\begin{array}{r} 444 \\ 11 \overline{) 4889} \\ \underline{4884} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 13 = 376 \text{ remainder } 1$$

$$\begin{array}{r} 376 \\ 13 \overline{) 4889} \\ \underline{4888} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 17 = 287 \text{ remainder } 10$$

$$\begin{array}{r} 287 \\ 17 \overline{) 4889} \\ \underline{4879} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 19 = 257 \text{ remainder } 6$$

$$\begin{array}{r} 257 \\ 19 \overline{) 4889} \\ \underline{4883} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 23 = 212 \text{ remainder } 13$$

$$\begin{array}{r} 212 \\ 23 \overline{) 4889} \\ \underline{4876} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 29 = 168 \text{ remainder } 17$$

$$\begin{array}{r} 168 \\ 29 \overline{) 4889} \\ \underline{4872} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 31 = 157 \text{ remainder } 22$$

$$\begin{array}{r} 157 \\ 31 \overline{) 4889} \end{array}$$

$$\begin{array}{r} 4867 \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4889 \div 37 = 132 \text{ remainder } 5$$

$$\begin{array}{r} 132 \\ 37 \overline{) 4889} \\ \underline{4884} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4889 \div 41 = 119 \text{ remainder } 10$$

$$\begin{array}{r} 119 \\ 41 \overline{) 4889} \\ \underline{4879} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4889 \div 43 = 113 \text{ remainder } 30$$

$$\begin{array}{r} 113 \\ 43 \overline{) 4889} \\ \underline{4859} \phantom{00} \\ 30 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4889 \div 47 = 104 \text{ remainder } 1$$

$$\begin{array}{r} 104 \\ 47 \overline{) 4889} \\ \underline{4888} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4889 \div 53 = 92 \text{ remainder } 13$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4889} \\ \underline{4876} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$



$$4889 \div 59 = 82 \text{ remainder } 51$$

$$\begin{array}{r} 82 \\ 59 \overline{) 4889} \\ \underline{4838} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 61 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4889} \\ \underline{4880} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4889 \div 67 = 72 \text{ remainder } 65$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4889} \\ \underline{4824} \\ 65 \end{array} \leftarrow \text{remainder}$$

## **P<sub>655</sub> 4903**

$$4903 \div 2 = 2451 \text{ remainder } 1$$

$$\begin{array}{r} 2451 \\ 2 \overline{) 4903} \\ \underline{4902} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 3 = 1634 \text{ remainder } 1$$

$$\begin{array}{r} 1634 \\ 3 \overline{) 4903} \\ \underline{4902} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 5 = 980 \text{ remainder } 3$$

$$\begin{array}{r} 980 \\ 5 \overline{) 4903} \\ \underline{4900} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 7 = 700 \text{ remainder } 3$$

$$\begin{array}{r} 700 \\ 7 \overline{) 4903} \\ \underline{4900} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 11 = 445 \text{ remainder } 8$$

$$\begin{array}{r} 445 \\ 11 \overline{) 4903} \\ \underline{4895} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 13 = 377 \text{ remainder } 2$$

$$\begin{array}{r} 377 \\ 13 \overline{) 4903} \\ \underline{4901} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 17 = 288 \text{ remainder } 7$$

$$\begin{array}{r} 288 \\ 17 \overline{) 4903} \\ \underline{4896} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 19 = 258 \text{ remainder } 1$$

$$\begin{array}{r} 258 \\ 19 \overline{) 4903} \\ \underline{4902} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 23 = 213 \text{ remainder } 4$$

$$\begin{array}{r} 213 \\ 23 \overline{) 4903} \\ \underline{4899} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 29 = 169 \text{ remainder } 2$$

$$\begin{array}{r} 169 \\ 29 \overline{) 4903} \\ \underline{4901} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 31 = 158 \text{ remainder } 5$$

$$\begin{array}{r} 158 \\ 31 \overline{) 4903} \end{array}$$

4898

----

5 ← remainder

$$4903 \div 37 = 132 \text{ remainder } 19$$

$$\begin{array}{r} 132 \\ 37 \overline{) 4903} \\ \underline{4884} \end{array}$$

----

19 ← remainder

$$4903 \div 41 = 119 \text{ remainder } 24$$

$$\begin{array}{r} 119 \\ 41 \overline{) 4903} \\ \underline{4879} \end{array}$$

----

24 ← remainder

$$4903 \div 43 = 114 \text{ remainder } 1$$

$$\begin{array}{r} 114 \\ 43 \overline{) 4903} \\ \underline{4902} \end{array}$$

----

1 ← remainder

$$4903 \div 47 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 47 \overline{) 4903} \\ \underline{4888} \end{array}$$

----

15 ← remainder

$$4903 \div 53 = 92 \text{ remainder } 27$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4903} \\ \underline{4876} \end{array}$$

----

27 ← remainder

$$4903 \div 59 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4903} \\ \underline{4897} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 61 = 80 \text{ remainder } 23$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4903} \\ \underline{4880} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4903 \div 67 = 73 \text{ remainder } 12$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4903} \\ \underline{4891} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>656</sub> 4909**

$$4909 \div 2 = 2454 \text{ remainder } 1$$

$$\begin{array}{r} 2454 \\ 2 \overline{) 4909} \\ \underline{4908} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4909 \div 3 = 1636 \text{ remainder } 1$$

$$\begin{array}{r} 1636 \\ 3 \overline{) 4909} \\ \underline{4908} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4909 \div 5 = 981 \text{ remainder } 4$$

$$\begin{array}{r} 981 \\ 5 \overline{) 4909} \\ \underline{4905} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4909 \div 7 = 701 \text{ remainder } 2$$

$$\begin{array}{r} 701 \\ 7 \overline{) 4909} \\ \underline{4907} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4909 \div 11 = 446 \text{ remainder } 3$$

$$\begin{array}{r} 446 \\ 11 \overline{) 4909} \\ \underline{4906} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4909 \div 13 = 377 \text{ remainder } 8$$

$$\begin{array}{r} 377 \\ 13 \overline{) 4909} \\ \underline{4901} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4909 \div 17 = 288 \text{ remainder } 13$$

$$\begin{array}{r} 288 \\ 17 \overline{) 4909} \\ \underline{4896} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4909 \div 19 = 258 \text{ remainder } 7$$

$$\begin{array}{r} 258 \\ 19 \overline{) 4909} \\ \underline{4902} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4909 \div 23 = 213 \text{ remainder } 10$$

$$\begin{array}{r} 213 \\ 23 \overline{) 4909} \\ \underline{4899} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4909 \div 29 = 169 \text{ remainder } 8$$

$$\begin{array}{r} 169 \\ 29 \overline{) 4909} \\ \underline{4901} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$4909 \div 31 = 158 \text{ remainder } 11$$

$$\begin{array}{r} 158 \\ 31 \overline{) 4909} \end{array}$$

$$\begin{array}{r} 4898 \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 37 = 132 \text{ remainder } 25$$

$$\begin{array}{r} 132 \\ 37 \overline{) 4909} \\ \underline{4884} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 41 = 119 \text{ remainder } 30$$

$$\begin{array}{r} 119 \\ 41 \overline{) 4909} \\ \underline{4879} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 43 = 114 \text{ remainder } 7$$

$$\begin{array}{r} 114 \\ 43 \overline{) 4909} \\ \underline{4902} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 47 = 104 \text{ remainder } 21$$

$$\begin{array}{r} 104 \\ 47 \overline{) 4909} \\ \underline{4888} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 53 = 92 \text{ remainder } 33$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4909} \\ \underline{4876} \\ 33 \leftarrow \text{remainder} \end{array}$$



$$4909 \div 59 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4909} \\ \underline{4897} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4909 \div 61 = 80 \text{ remainder } 29$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4909} \\ \underline{4880} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$4909 \div 67 = 73 \text{ remainder } 18$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4909} \\ \underline{4891} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>657</sub> 4919**

$$4919 \div 2 = 2459 \text{ remainder } 1$$

$$\begin{array}{r} 2459 \\ 2 \overline{) 4919} \\ \underline{4918} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 3 = 1639 \text{ remainder } 2$$

$$\begin{array}{r} 1639 \\ 3 \overline{) 4919} \\ \underline{4917} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 5 = 983 \text{ remainder } 4$$

$$\begin{array}{r} 983 \\ 5 \overline{) 4919} \\ \underline{4915} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 7 = 702 \text{ remainder } 5$$

$$\begin{array}{r} 702 \\ 7 \overline{) 4919} \\ \underline{4914} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 11 = 447 \text{ remainder } 2$$

$$\begin{array}{r} 447 \\ 11 \overline{) 4919} \\ \underline{4917} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 13 = 378 \text{ remainder } 5$$

$$\begin{array}{r} 378 \\ 13 \overline{) 4919} \\ \underline{4914} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 17 = 289 \text{ remainder } 6$$

$$\begin{array}{r} 289 \\ 17 \overline{) 4919} \\ \underline{4913} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 19 = 258 \text{ remainder } 17$$

$$\begin{array}{r} 258 \\ 19 \overline{) 4919} \\ \underline{4902} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 23 = 213 \text{ remainder } 20$$

$$\begin{array}{r} 213 \\ 23 \overline{) 4919} \\ \underline{4899} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 29 = 169 \text{ remainder } 18$$

$$\begin{array}{r} 169 \\ 29 \overline{) 4919} \\ \underline{4901} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 31 = 158 \text{ remainder } 21$$

$$\begin{array}{r} 158 \\ 31 \overline{) 4919} \end{array}$$

$$\begin{array}{r} 4898 \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 37 = 132 \text{ remainder } 35$$

$$\begin{array}{r} 132 \\ 37 \overline{) 4919} \\ \underline{4884} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 41 = 119 \text{ remainder } 40$$

$$\begin{array}{r} 119 \\ 41 \overline{) 4919} \\ \underline{4879} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 43 = 114 \text{ remainder } 17$$

$$\begin{array}{r} 114 \\ 43 \overline{) 4919} \\ \underline{4902} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 47 = 104 \text{ remainder } 31$$

$$\begin{array}{r} 104 \\ 47 \overline{) 4919} \\ \underline{4888} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 53 = 92 \text{ remainder } 43$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4919} \\ \underline{4876} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 59 = 83 \text{ remainder } 22$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4919} \\ \underline{4897} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 61 = 80 \text{ remainder } 39$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4919} \\ \underline{4880} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$4919 \div 67 = 73 \text{ remainder } 28$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4919} \\ \underline{4891} \\ 28 \end{array} \leftarrow \text{remainder}$$

## **P<sub>658</sub> 4931**

$$4931 \div 2 = 2465 \text{ remainder } 1$$

$$\begin{array}{r} 2465 \\ 2 \overline{) 4931} \\ \underline{4930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 3 = 1643 \text{ remainder } 2$$

$$\begin{array}{r} 1643 \\ 3 \overline{) 4931} \\ \underline{4929} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 5 = 986 \text{ remainder } 1$$

$$\begin{array}{r} 986 \\ 5 \overline{) 4931} \\ \underline{4930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 7 = 704 \text{ remainder } 3$$

$$\begin{array}{r} 704 \\ 7 \overline{) 4931} \\ \underline{4928} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 11 = 448 \text{ remainder } 3$$

$$\begin{array}{r} 448 \\ 11 \overline{) 4931} \\ \underline{4928} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 13 = 379 \text{ remainder } 4$$

$$\begin{array}{r} 379 \\ 13 \overline{) 4931} \\ \underline{4927} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 17 = 290 \text{ remainder } 1$$

$$\begin{array}{r} 290 \\ 17 \overline{) 4931} \\ \underline{4930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 19 = 259 \text{ remainder } 10$$

$$\begin{array}{r} 259 \\ 19 \overline{) 4931} \\ \underline{4921} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 23 = 214 \text{ remainder } 9$$

$$\begin{array}{r} 214 \\ 23 \overline{) 4931} \\ \underline{4922} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 29 = 170 \text{ remainder } 1$$

$$\begin{array}{r} 170 \\ 29 \overline{) 4931} \\ \underline{4930} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 31 = 159 \text{ remainder } 2$$

$$\begin{array}{r} 159 \\ 31 \overline{) 4931} \end{array}$$

$$\begin{array}{r}
 4929 \\
 \text{----} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$4931 \div 37 = 133 \text{ remainder } 10$$

$$\begin{array}{r}
 133 \\
 37 \overline{) 4931} \\
 \underline{4921} \phantom{00} \\
 10 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4931 \div 41 = 120 \text{ remainder } 11$$

$$\begin{array}{r}
 120 \\
 41 \overline{) 4931} \\
 \underline{4920} \phantom{00} \\
 11 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4931 \div 43 = 114 \text{ remainder } 29$$

$$\begin{array}{r}
 114 \\
 43 \overline{) 4931} \\
 \underline{4902} \phantom{00} \\
 29 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4931 \div 47 = 104 \text{ remainder } 43$$

$$\begin{array}{r}
 104 \\
 47 \overline{) 4931} \\
 \underline{4888} \phantom{00} \\
 43 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4931 \div 53 = 93 \text{ remainder } 2$$

$$\begin{array}{r}
 93 \\
 53 \overline{) 4931} \\
 \underline{4929} \phantom{00} \\
 2 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$



$$4931 \div 59 = 83 \text{ remainder } 34$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4931} \\ \underline{4897} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 61 = 80 \text{ remainder } 51$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4931} \\ \underline{4880} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 67 = 73 \text{ remainder } 40$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4931} \\ \underline{4891} \\ 40 \end{array} \leftarrow \text{remainder}$$

## **P<sub>659</sub> 4933**

$$4933 \div 2 = 2466 \text{ remainder } 1$$

$$\begin{array}{r} 2466 \\ 2 \overline{) 4933} \\ \underline{4932} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 3 = 1644 \text{ remainder } 1$$

$$\begin{array}{r} 1644 \\ 3 \overline{) 4933} \\ \underline{4932} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 5 = 986 \text{ remainder } 3$$

$$\begin{array}{r} 986 \\ 5 \overline{) 4933} \\ \underline{4930} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 7 = 704 \text{ remainder } 5$$

$$\begin{array}{r} 704 \\ 7 \overline{) 4933} \\ \underline{4928} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 11 = 448 \text{ remainder } 5$$

$$\begin{array}{r} 448 \\ 11 \overline{) 4933} \\ \underline{4928} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 13 = 379 \text{ remainder } 6$$

$$\begin{array}{r} 379 \\ 13 \overline{) 4933} \\ \underline{4927} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 17 = 290 \text{ remainder } 3$$

$$\begin{array}{r} 290 \\ 17 \overline{) 4933} \\ \underline{4930} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 19 = 259 \text{ remainder } 12$$

$$\begin{array}{r} 259 \\ 19 \overline{) 4933} \\ \underline{4921} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 23 = 214 \text{ remainder } 11$$

$$\begin{array}{r} 214 \\ 23 \overline{) 4933} \\ \underline{4922} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 29 = 170 \text{ remainder } 3$$

$$\begin{array}{r} 170 \\ 29 \overline{) 4933} \\ \underline{4930} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 31 = 159 \text{ remainder } 4$$

$$\begin{array}{r} 159 \\ 31 \overline{) 4933} \end{array}$$

$$\begin{array}{r}
 4929 \\
 \text{----} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$4933 \div 37 = 133 \text{ remainder } 12$$

$$\begin{array}{r}
 133 \\
 37 \overline{) 4933} \\
 \underline{4921} \phantom{00} \\
 12 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4933 \div 41 = 120 \text{ remainder } 13$$

$$\begin{array}{r}
 120 \\
 41 \overline{) 4933} \\
 \underline{4920} \phantom{00} \\
 13 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4933 \div 43 = 114 \text{ remainder } 31$$

$$\begin{array}{r}
 114 \\
 43 \overline{) 4933} \\
 \underline{4902} \phantom{00} \\
 31 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4933 \div 47 = 104 \text{ remainder } 45$$

$$\begin{array}{r}
 104 \\
 47 \overline{) 4933} \\
 \underline{4888} \phantom{00} \\
 45 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4933 \div 53 = 93 \text{ remainder } 4$$

$$\begin{array}{r}
 93 \\
 53 \overline{) 4933} \\
 \underline{4929} \phantom{00} \\
 4 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$4933 \div 59 = 83 \text{ remainder } 36$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4933} \\ \underline{4897} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 61 = 80 \text{ remainder } 53$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4933} \\ \underline{4880} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$4933 \div 67 = 73 \text{ remainder } 42$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4933} \\ \underline{4891} \\ 42 \end{array} \leftarrow \text{remainder}$$

## **P<sub>660</sub> 4937**

$$4937 \div 2 = 2468 \text{ remainder } 1$$

$$\begin{array}{r} 2468 \\ 2 \overline{) 4937} \\ \underline{4936} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 3 = 1645 \text{ remainder } 2$$

$$\begin{array}{r} 1645 \\ 3 \overline{) 4937} \\ \underline{4935} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 5 = 987 \text{ remainder } 2$$

$$\begin{array}{r} 987 \\ 5 \overline{) 4937} \\ \underline{4935} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 7 = 705 \text{ remainder } 2$$

$$\begin{array}{r} 705 \\ 7 \overline{) 4937} \\ \underline{4935} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 11 = 448 \text{ remainder } 9$$

$$\begin{array}{r} 448 \\ 11 \overline{) 4937} \\ \underline{4928} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 13 = 379 \text{ remainder } 10$$

$$\begin{array}{r} 379 \\ 13 \overline{) 4937} \\ \underline{4927} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 17 = 290 \text{ remainder } 7$$

$$\begin{array}{r} 290 \\ 17 \overline{) 4937} \\ \underline{4930} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 19 = 259 \text{ remainder } 16$$

$$\begin{array}{r} 259 \\ 19 \overline{) 4937} \\ \underline{4921} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 23 = 214 \text{ remainder } 15$$

$$\begin{array}{r} 214 \\ 23 \overline{) 4937} \\ \underline{4922} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 29 = 170 \text{ remainder } 7$$

$$\begin{array}{r} 170 \\ 29 \overline{) 4937} \\ \underline{4930} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 31 = 159 \text{ remainder } 8$$

$$\begin{array}{r} 159 \\ 31 \overline{) 4937} \end{array}$$

$$\begin{array}{r} 4929 \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 37 = 133 \text{ remainder } 16$$

$$\begin{array}{r} 133 \\ 37 \overline{) 4937} \\ \underline{4921} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 41 = 120 \text{ remainder } 17$$

$$\begin{array}{r} 120 \\ 41 \overline{) 4937} \\ \underline{4920} \phantom{00} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 43 = 114 \text{ remainder } 35$$

$$\begin{array}{r} 114 \\ 43 \overline{) 4937} \\ \underline{4902} \phantom{00} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 47 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 47 \overline{) 4937} \\ \underline{4935} \phantom{00} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 53 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4937} \\ \underline{4929} \phantom{00} \\ 8 \leftarrow \text{remainder} \end{array}$$



$$4937 \div 59 = 83 \text{ remainder } 40$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4937} \\ \underline{4897} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 61 = 80 \text{ remainder } 57$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4937} \\ \underline{4880} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$4937 \div 67 = 73 \text{ remainder } 46$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4937} \\ \underline{4891} \\ 46 \end{array} \leftarrow \text{remainder}$$

## **P<sub>661</sub> 4943**

$$4943 \div 2 = 2471 \text{ remainder } 1$$

$$\begin{array}{r} 2471 \\ 2 \overline{) 4943} \\ \underline{4942} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 3 = 1647 \text{ remainder } 2$$

$$\begin{array}{r} 1647 \\ 3 \overline{) 4943} \\ \underline{4941} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 5 = 988 \text{ remainder } 3$$

$$\begin{array}{r} 988 \\ 5 \overline{) 4943} \\ \underline{4940} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 7 = 706 \text{ remainder } 1$$

$$\begin{array}{r} 706 \\ 7 \overline{) 4943} \\ \underline{4942} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 11 = 449 \text{ remainder } 4$$

$$\begin{array}{r} 449 \\ 11 \overline{) 4943} \\ \underline{4939} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 13 = 380 \text{ remainder } 3$$

$$\begin{array}{r} 380 \\ 13 \overline{) 4943} \\ \underline{4940} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 17 = 290 \text{ remainder } 13$$

$$\begin{array}{r} 290 \\ 17 \overline{) 4943} \\ \underline{4930} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 19 = 260 \text{ remainder } 3$$

$$\begin{array}{r} 260 \\ 19 \overline{) 4943} \\ \underline{4940} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 23 = 214 \text{ remainder } 21$$

$$\begin{array}{r} 214 \\ 23 \overline{) 4943} \\ \underline{4922} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 29 = 170 \text{ remainder } 13$$

$$\begin{array}{r} 170 \\ 29 \overline{) 4943} \\ \underline{4930} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 31 = 159 \text{ remainder } 14$$

$$\begin{array}{r} 159 \\ 31 \overline{) 4943} \end{array}$$

$$\begin{array}{r} 4929 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4943 \div 37 = 133 \text{ remainder } 22$$

$$\begin{array}{r} 133 \\ 37 \overline{) 4943} \\ \underline{4921} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4943 \div 41 = 120 \text{ remainder } 23$$

$$\begin{array}{r} 120 \\ 41 \overline{) 4943} \\ \underline{4920} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4943 \div 43 = 114 \text{ remainder } 41$$

$$\begin{array}{r} 114 \\ 43 \overline{) 4943} \\ \underline{4902} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$4943 \div 47 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 47 \overline{) 4943} \\ \underline{4935} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4943 \div 53 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4943} \\ \underline{4929} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4943 \div 59 = 83 \text{ remainder } 46$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4943} \\ \underline{4897} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 61 = 81 \text{ remainder } 2$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4943} \\ \underline{4941} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 67 = 73 \text{ remainder } 52$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4943} \\ \underline{4891} \\ 52 \end{array} \leftarrow \text{remainder}$$

## **P<sub>662</sub> 4951**

$$4951 \div 2 = 2475 \text{ remainder } 1$$

$$\begin{array}{r} 2475 \\ 2 \overline{) 4951} \\ \underline{4950} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 3 = 1650 \text{ remainder } 1$$

$$\begin{array}{r} 1650 \\ 3 \overline{) 4951} \\ \underline{4950} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 5 = 990 \text{ remainder } 1$$

$$\begin{array}{r} 990 \\ 5 \overline{) 4951} \\ \underline{4950} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 7 = 707 \text{ remainder } 2$$

$$\begin{array}{r} 707 \\ 7 \overline{) 4951} \\ \underline{4949} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 11 = 450 \text{ remainder } 1$$

$$\begin{array}{r} 450 \\ 11 \overline{) 4951} \\ \underline{4950} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 13 = 380 \text{ remainder } 11$$

$$\begin{array}{r} 380 \\ 13 \overline{) 4951} \\ \underline{4940} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 17 = 291 \text{ remainder } 4$$

$$\begin{array}{r} 291 \\ 17 \overline{) 4951} \\ \underline{4947} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 19 = 260 \text{ remainder } 11$$

$$\begin{array}{r} 260 \\ 19 \overline{) 4951} \\ \underline{4940} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 23 = 215 \text{ remainder } 6$$

$$\begin{array}{r} 215 \\ 23 \overline{) 4951} \\ \underline{4945} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 29 = 170 \text{ remainder } 21$$

$$\begin{array}{r} 170 \\ 29 \overline{) 4951} \\ \underline{4930} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 31 = 159 \text{ remainder } 22$$

$$\begin{array}{r} 159 \\ 31 \overline{) 4951} \end{array}$$

$$\begin{array}{r} 4929 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4951 \div 37 = 133 \text{ remainder } 30$$

$$\begin{array}{r} 133 \\ 37 \overline{) 4951} \\ \underline{4921} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$4951 \div 41 = 120 \text{ remainder } 31$$

$$\begin{array}{r} 120 \\ 41 \overline{) 4951} \\ \underline{4920} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4951 \div 43 = 115 \text{ remainder } 6$$

$$\begin{array}{r} 115 \\ 43 \overline{) 4951} \\ \underline{4945} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4951 \div 47 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 47 \overline{) 4951} \\ \underline{4935} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4951 \div 53 = 93 \text{ remainder } 22$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4951} \\ \underline{4929} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$



$$4951 \div 59 = 83 \text{ remainder } 54$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4951} \\ \underline{4897} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 61 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4951} \\ \underline{4941} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4951 \div 67 = 73 \text{ remainder } 60$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4951} \\ \underline{4891} \\ 60 \end{array} \leftarrow \text{remainder}$$

## **P<sub>663</sub> 4957**

$$4957 \div 2 = 2478 \text{ remainder } 1$$

$$\begin{array}{r} 2478 \\ 2 \overline{) 4957} \\ \underline{4956} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 3 = 1652 \text{ remainder } 1$$

$$\begin{array}{r} 1652 \\ 3 \overline{) 4957} \\ \underline{4956} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 5 = 991 \text{ remainder } 2$$

$$\begin{array}{r} 991 \\ 5 \overline{) 4957} \\ \underline{4955} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 7 = 708 \text{ remainder } 1$$

$$\begin{array}{r} 708 \\ 7 \overline{) 4957} \\ \underline{4956} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 11 = 450 \text{ remainder } 7$$

$$\begin{array}{r} 450 \\ 11 \overline{) 4957} \\ \underline{4950} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 13 = 381 \text{ remainder } 4$$

$$\begin{array}{r} 381 \\ 13 \overline{) 4957} \\ \underline{4953} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 17 = 291 \text{ remainder } 10$$

$$\begin{array}{r} 291 \\ 17 \overline{) 4957} \\ \underline{4947} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 19 = 260 \text{ remainder } 17$$

$$\begin{array}{r} 260 \\ 19 \overline{) 4957} \\ \underline{4940} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 23 = 215 \text{ remainder } 12$$

$$\begin{array}{r} 215 \\ 23 \overline{) 4957} \\ \underline{4945} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 29 = 170 \text{ remainder } 27$$

$$\begin{array}{r} 170 \\ 29 \overline{) 4957} \\ \underline{4930} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 31 = 159 \text{ remainder } 28$$

$$\begin{array}{r} 159 \\ 31 \overline{) 4957} \end{array}$$

$$\begin{array}{r} 4929 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4957 \div 37 = 133 \text{ remainder } 36$$

$$\begin{array}{r} 133 \\ 37 \overline{) 4957} \\ \underline{4921} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4957 \div 41 = 120 \text{ remainder } 37$$

$$\begin{array}{r} 120 \\ 41 \overline{) 4957} \\ \underline{4920} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$4957 \div 43 = 115 \text{ remainder } 12$$

$$\begin{array}{r} 115 \\ 43 \overline{) 4957} \\ \underline{4945} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4957 \div 47 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 47 \overline{) 4957} \\ \underline{4935} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4957 \div 53 = 93 \text{ remainder } 28$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4957} \\ \underline{4929} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$4957 \div 59 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4957} \\ \underline{4956} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 61 = 81 \text{ remainder } 16$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4957} \\ \underline{4941} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$4957 \div 67 = 73 \text{ remainder } 66$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4957} \\ \underline{4891} \\ 66 \end{array} \leftarrow \text{remainder}$$

## **P<sub>664</sub> 4967**

$$4967 \div 2 = 2483 \text{ remainder } 1$$

$$\begin{array}{r} 2483 \\ 2 \overline{) 4967} \\ \underline{4966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 3 = 1655 \text{ remainder } 2$$

$$\begin{array}{r} 1655 \\ 3 \overline{) 4967} \\ \underline{4965} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 5 = 993 \text{ remainder } 2$$

$$\begin{array}{r} 993 \\ 5 \overline{) 4967} \\ \underline{4965} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 7 = 709 \text{ remainder } 4$$

$$\begin{array}{r} 709 \\ 7 \overline{) 4967} \\ \underline{4963} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 11 = 451 \text{ remainder } 6$$

$$\begin{array}{r} 451 \\ 11 \overline{) 4967} \\ \underline{4961} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 13 = 382 \text{ remainder } 1$$

$$\begin{array}{r} 382 \\ 13 \overline{) 4967} \\ \underline{4966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 17 = 292 \text{ remainder } 3$$

$$\begin{array}{r} 292 \\ 17 \overline{) 4967} \\ \underline{4964} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 19 = 261 \text{ remainder } 8$$

$$\begin{array}{r} 261 \\ 19 \overline{) 4967} \\ \underline{4959} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 23 = 215 \text{ remainder } 22$$

$$\begin{array}{r} 215 \\ 23 \overline{) 4967} \\ \underline{4945} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 29 = 171 \text{ remainder } 8$$

$$\begin{array}{r} 171 \\ 29 \overline{) 4967} \\ \underline{4959} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 31 = 160 \text{ remainder } 7$$

$$\begin{array}{r} 160 \\ 31 \overline{) 4967} \end{array}$$

$$\begin{array}{r} 4960 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 37 = 134 \text{ remainder } 9$$

$$\begin{array}{r} 134 \\ 37 \overline{) 4967} \\ \underline{4958} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 41 = 121 \text{ remainder } 6$$

$$\begin{array}{r} 121 \\ 41 \overline{) 4967} \\ \underline{4961} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 43 = 115 \text{ remainder } 22$$

$$\begin{array}{r} 115 \\ 43 \overline{) 4967} \\ \underline{4945} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 47 = 105 \text{ remainder } 32$$

$$\begin{array}{r} 105 \\ 47 \overline{) 4967} \\ \underline{4935} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 53 = 93 \text{ remainder } 38$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4967} \\ \underline{4929} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$



$$4967 \div 59 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4967} \\ \underline{4956} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 61 = 81 \text{ remainder } 26$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4967} \\ \underline{4941} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$4967 \div 67 = 74 \text{ remainder } 9$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4967} \\ \underline{4958} \\ 9 \end{array} \leftarrow \text{remainder}$$

## **P<sub>665</sub> 4969**

$$4969 \div 2 = 2484 \text{ remainder } 1$$

$$\begin{array}{r} 2484 \\ 2 \overline{) 4969} \\ \underline{4968} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 3 = 1656 \text{ remainder } 1$$

$$\begin{array}{r} 1656 \\ 3 \overline{) 4969} \\ \underline{4968} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 5 = 993 \text{ remainder } 4$$

$$\begin{array}{r} 993 \\ 5 \overline{) 4969} \\ \underline{4965} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 7 = 709 \text{ remainder } 6$$

$$\begin{array}{r} 709 \\ 7 \overline{) 4969} \\ \underline{4963} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 11 = 451 \text{ remainder } 8$$

$$\begin{array}{r} 451 \\ 11 \overline{) 4969} \\ \underline{4961} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 13 = 382 \text{ remainder } 3$$

$$\begin{array}{r} 382 \\ 13 \overline{) 4969} \\ \underline{4966} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 17 = 292 \text{ remainder } 5$$

$$\begin{array}{r} 292 \\ 17 \overline{) 4969} \\ \underline{4964} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 19 = 261 \text{ remainder } 10$$

$$\begin{array}{r} 261 \\ 19 \overline{) 4969} \\ \underline{4959} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 23 = 216 \text{ remainder } 1$$

$$\begin{array}{r} 216 \\ 23 \overline{) 4969} \\ \underline{4968} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 29 = 171 \text{ remainder } 10$$

$$\begin{array}{r} 171 \\ 29 \overline{) 4969} \\ \underline{4959} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 31 = 160 \text{ remainder } 9$$

$$\begin{array}{r} 160 \\ 31 \overline{) 4969} \end{array}$$

4960

----

9 ← remainder

$$4969 \div 37 = 134 \text{ remainder } 11$$

$$\begin{array}{r} 134 \\ 37 \overline{) 4969} \\ \underline{4958} \end{array}$$

----

11 ← remainder

$$4969 \div 41 = 121 \text{ remainder } 8$$

$$\begin{array}{r} 121 \\ 41 \overline{) 4969} \\ \underline{4961} \end{array}$$

----

8 ← remainder

$$4969 \div 43 = 115 \text{ remainder } 24$$

$$\begin{array}{r} 115 \\ 43 \overline{) 4969} \\ \underline{4945} \end{array}$$

----

24 ← remainder

$$4969 \div 47 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 47 \overline{) 4969} \\ \underline{4935} \end{array}$$

----

34 ← remainder

$$4969 \div 53 = 93 \text{ remainder } 40$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4969} \\ \underline{4929} \end{array}$$

----

40 ← remainder

$$4969 \div 59 = 84 \text{ remainder } 13$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4969} \\ \underline{4956} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 61 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4969} \\ \underline{4941} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4969 \div 67 = 74 \text{ remainder } 11$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4969} \\ \underline{4958} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>666</sub> 4973**

$$4973 \div 2 = 2486 \text{ remainder } 1$$

$$\begin{array}{r} 2486 \\ 2 \overline{) 4973} \\ \underline{4972} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 3 = 1657 \text{ remainder } 2$$

$$\begin{array}{r} 1657 \\ 3 \overline{) 4973} \\ \underline{4971} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 5 = 994 \text{ remainder } 3$$

$$\begin{array}{r} 994 \\ 5 \overline{) 4973} \\ \underline{4970} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 7 = 710 \text{ remainder } 3$$

$$\begin{array}{r} 710 \\ 7 \overline{) 4973} \\ \underline{4970} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 11 = 452 \text{ remainder } 1$$

$$\begin{array}{r} 452 \\ 11 \overline{) 4973} \\ \underline{4972} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 13 = 382 \text{ remainder } 7$$

$$\begin{array}{r} 382 \\ 13 \overline{) 4973} \\ \underline{4966} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 17 = 292 \text{ remainder } 9$$

$$\begin{array}{r} 292 \\ 17 \overline{) 4973} \\ \underline{4964} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 19 = 261 \text{ remainder } 14$$

$$\begin{array}{r} 261 \\ 19 \overline{) 4973} \\ \underline{4959} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 23 = 216 \text{ remainder } 5$$

$$\begin{array}{r} 216 \\ 23 \overline{) 4973} \\ \underline{4968} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 29 = 171 \text{ remainder } 14$$

$$\begin{array}{r} 171 \\ 29 \overline{) 4973} \\ \underline{4959} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 31 = 160 \text{ remainder } 13$$

$$\begin{array}{r} 160 \\ 31 \overline{) 4973} \end{array}$$

4960  
 ----  
 13 ← remainder

$$4973 \div 37 = 134 \text{ remainder } 15$$

37 |  $\overline{134}$   
 $\overline{4973}$   
 4958  
 ----  
 15 ← remainder

$$4973 \div 41 = 121 \text{ remainder } 12$$

41 |  $\overline{121}$   
 $\overline{4973}$   
 4961  
 ----  
 12 ← remainder

$$4973 \div 43 = 115 \text{ remainder } 28$$

43 |  $\overline{115}$   
 $\overline{4973}$   
 4945  
 ----  
 28 ← remainder

$$4973 \div 47 = 105 \text{ remainder } 38$$

47 |  $\overline{105}$   
 $\overline{4973}$   
 4935  
 ----  
 38 ← remainder

$$4973 \div 53 = 93 \text{ remainder } 44$$

53 |  $\overline{93}$   
 $\overline{4973}$   
 4929  
 ----  
 44 ← remainder



$$4973 \div 59 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4973} \\ \underline{4956} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 61 = 81 \text{ remainder } 32$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4973} \\ \underline{4941} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$4973 \div 67 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4973} \\ \underline{4958} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>667</sub> 4987**

$$4987 \div 2 = 2493 \text{ remainder } 1$$

$$\begin{array}{r} 2493 \\ 2 \overline{) 4987} \\ \underline{4986} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 3 = 1662 \text{ remainder } 1$$

$$\begin{array}{r} 1662 \\ 3 \overline{) 4987} \\ \underline{4986} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 5 = 997 \text{ remainder } 2$$

$$\begin{array}{r} 997 \\ 5 \overline{) 4987} \\ \underline{4985} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 7 = 712 \text{ remainder } 3$$

$$\begin{array}{r} 712 \\ 7 \overline{) 4987} \\ \underline{4984} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 11 = 453 \text{ remainder } 4$$

$$\begin{array}{r} 453 \\ 11 \overline{) 4987} \\ \underline{4983} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 13 = 383 \text{ remainder } 8$$

$$\begin{array}{r} 383 \\ 13 \overline{) 4987} \\ \underline{4979} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 17 = 293 \text{ remainder } 6$$

$$\begin{array}{r} 293 \\ 17 \overline{) 4987} \\ \underline{4981} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 19 = 262 \text{ remainder } 9$$

$$\begin{array}{r} 262 \\ 19 \overline{) 4987} \\ \underline{4978} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 23 = 216 \text{ remainder } 19$$

$$\begin{array}{r} 216 \\ 23 \overline{) 4987} \\ \underline{4968} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 29 = 171 \text{ remainder } 28$$

$$\begin{array}{r} 171 \\ 29 \overline{) 4987} \\ \underline{4959} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 31 = 160 \text{ remainder } 27$$

$$\begin{array}{r} 160 \\ 31 \overline{) 4987} \end{array}$$

$$\begin{array}{r} 4960 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 37 = 134 \text{ remainder } 29$$

$$\begin{array}{r} 134 \\ 37 \overline{) 4987} \\ \underline{4958} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 41 = 121 \text{ remainder } 26$$

$$\begin{array}{r} 121 \\ 41 \overline{) 4987} \\ \underline{4961} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 43 = 115 \text{ remainder } 42$$

$$\begin{array}{r} 115 \\ 43 \overline{) 4987} \\ \underline{4945} \\ - - - - \\ 42 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 47 = 106 \text{ remainder } 5$$

$$\begin{array}{r} 106 \\ 47 \overline{) 4987} \\ \underline{4982} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 53 = 94 \text{ remainder } 5$$

$$\begin{array}{r} 94 \\ 53 \overline{) 4987} \\ \underline{4982} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 59 = 84 \text{ remainder } 31$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4987} \\ \underline{4956} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 61 = 81 \text{ remainder } 46$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4987} \\ \underline{4941} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$4987 \div 67 = 74 \text{ remainder } 29$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4987} \\ \underline{4958} \\ 29 \end{array} \leftarrow \text{remainder}$$

## **P<sub>668</sub> 4993**

$$4993 \div 2 = 2496 \text{ remainder } 1$$

$$\begin{array}{r} 2496 \\ 2 \overline{) 4993} \\ \underline{4992} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 3 = 1664 \text{ remainder } 1$$

$$\begin{array}{r} 1664 \\ 3 \overline{) 4993} \\ \underline{4992} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 5 = 998 \text{ remainder } 3$$

$$\begin{array}{r} 998 \\ 5 \overline{) 4993} \\ \underline{4990} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 7 = 713 \text{ remainder } 2$$

$$\begin{array}{r} 713 \\ 7 \overline{) 4993} \\ \underline{4991} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 11 = 453 \text{ remainder } 10$$

$$\begin{array}{r} 453 \\ 11 \overline{) 4993} \\ \underline{4983} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 13 = 384 \text{ remainder } 1$$

$$\begin{array}{r} 384 \\ 13 \overline{) 4993} \\ \underline{4992} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 17 = 293 \text{ remainder } 12$$

$$\begin{array}{r} 293 \\ 17 \overline{) 4993} \\ \underline{4981} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 19 = 262 \text{ remainder } 15$$

$$\begin{array}{r} 262 \\ 19 \overline{) 4993} \\ \underline{4978} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 23 = 217 \text{ remainder } 2$$

$$\begin{array}{r} 217 \\ 23 \overline{) 4993} \\ \underline{4991} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 29 = 172 \text{ remainder } 5$$

$$\begin{array}{r} 172 \\ 29 \overline{) 4993} \\ \underline{4988} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 31 = 161 \text{ remainder } 2$$

$$\begin{array}{r} 161 \\ 31 \overline{) 4993} \end{array}$$

$$\begin{array}{r} 4991 \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4993 \div 37 = 134 \text{ remainder } 35$$

$$\begin{array}{r} 134 \\ 37 \overline{) 4993} \\ \underline{4958} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4993 \div 41 = 121 \text{ remainder } 32$$

$$\begin{array}{r} 121 \\ 41 \overline{) 4993} \\ \underline{4961} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4993 \div 43 = 116 \text{ remainder } 5$$

$$\begin{array}{r} 116 \\ 43 \overline{) 4993} \\ \underline{4988} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4993 \div 47 = 106 \text{ remainder } 11$$

$$\begin{array}{r} 106 \\ 47 \overline{) 4993} \\ \underline{4982} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4993 \div 53 = 94 \text{ remainder } 11$$

$$\begin{array}{r} 94 \\ 53 \overline{) 4993} \\ \underline{4982} \\ 11 \leftarrow \text{remainder} \end{array}$$



$$4993 \div 59 = 84 \text{ remainder } 37$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4993} \\ \underline{4956} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 61 = 81 \text{ remainder } 52$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4993} \\ \underline{4941} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 67 = 74 \text{ remainder } 35$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4993} \\ \underline{4958} \\ 35 \end{array} \leftarrow \text{remainder}$$

## **P<sub>669</sub> 4999**

$$4999 \div 2 = 2499 \text{ remainder } 1$$

$$\begin{array}{r} 2499 \\ 2 \overline{) 4999} \\ \underline{4998} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 3 = 1666 \text{ remainder } 1$$

$$\begin{array}{r} 1666 \\ 3 \overline{) 4999} \\ \underline{4998} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 5 = 999 \text{ remainder } 4$$

$$\begin{array}{r} 999 \\ 5 \overline{) 4999} \\ \underline{4995} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 7 = 714 \text{ remainder } 1$$

$$\begin{array}{r} 714 \\ 7 \overline{) 4999} \\ \underline{4998} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 11 = 454 \text{ remainder } 5$$

$$\begin{array}{r} 454 \\ 11 \overline{) 4999} \\ \underline{4994} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 13 = 384 \text{ remainder } 7$$

$$\begin{array}{r} 384 \\ 13 \overline{) 4999} \\ \underline{4992} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 17 = 294 \text{ remainder } 1$$

$$\begin{array}{r} 294 \\ 17 \overline{) 4999} \\ \underline{4998} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 19 = 263 \text{ remainder } 2$$

$$\begin{array}{r} 263 \\ 19 \overline{) 4999} \\ \underline{4997} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 23 = 217 \text{ remainder } 8$$

$$\begin{array}{r} 217 \\ 23 \overline{) 4999} \\ \underline{4991} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 29 = 172 \text{ remainder } 11$$

$$\begin{array}{r} 172 \\ 29 \overline{) 4999} \\ \underline{4988} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 31 = 161 \text{ remainder } 8$$

$$\begin{array}{r} 161 \\ 31 \overline{) 4999} \end{array}$$

4991  
 ----  
 8 ← remainder

$$4999 \div 37 = 135 \text{ remainder } 4$$

37 |  $\overline{) 4999}$   
 4995  
 ----  
 4 ← remainder

$$4999 \div 41 = 121 \text{ remainder } 38$$

41 |  $\overline{) 4999}$   
 4961  
 ----  
 38 ← remainder

$$4999 \div 43 = 116 \text{ remainder } 11$$

43 |  $\overline{) 4999}$   
 4988  
 ----  
 11 ← remainder

$$4999 \div 47 = 106 \text{ remainder } 17$$

47 |  $\overline{) 4999}$   
 4982  
 ----  
 17 ← remainder

$$4999 \div 53 = 94 \text{ remainder } 17$$

53 |  $\overline{) 4999}$   
 4982  
 ----  
 17 ← remainder

$$4999 \div 59 = 84 \text{ remainder } 43$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4999} \\ \underline{4956} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 61 = 81 \text{ remainder } 58$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4999} \\ \underline{4941} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$4999 \div 67 = 74 \text{ remainder } 41$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4999} \\ \underline{4958} \\ 41 \end{array} \leftarrow \text{remainder}$$

## **P<sub>670</sub> 5003**

$$5003 \div 2 = 2501 \text{ remainder } 1$$

$$\begin{array}{r} 2501 \text{ ---} \\ 2 \mid \overline{5003} \\ \underline{5002} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5003 \div 3 = 1667 \text{ remainder } 2$$

$$\begin{array}{r} 1667 \text{ ---} \\ 3 \mid \overline{5003} \\ \underline{5001} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5003 \div 5 = 1000 \text{ remainder } 3$$

$$\begin{array}{r} 1000 \text{ ---} \\ 5 \mid \overline{5003} \\ \underline{5000} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5003 \div 7 = 714 \text{ remainder } 5$$

$$\begin{array}{r} 714 \text{ ---} \\ 7 \mid \overline{5003} \\ \underline{4998} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5003 \div 11 = 454 \text{ remainder } 9$$

$$\begin{array}{r} 454 \text{ ---} \\ 11 \mid \overline{5003} \\ \underline{4994} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$5003 \div 13 = 384 \text{ remainder } 11$$

$$\begin{array}{r} 384 \\ 13 \overline{) 5003} \\ \underline{4992} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5003 \div 17 = 294 \text{ remainder } 5$$

$$\begin{array}{r} 294 \\ 17 \overline{) 5003} \\ \underline{4998} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5003 \div 19 = 263 \text{ remainder } 6$$

$$\begin{array}{r} 263 \\ 19 \overline{) 5003} \\ \underline{4997} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5003 \div 23 = 217 \text{ remainder } 12$$

$$\begin{array}{r} 217 \\ 23 \overline{) 5003} \\ \underline{4991} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5003 \div 29 = 172 \text{ remainder } 15$$

$$\begin{array}{r} 172 \\ 29 \overline{) 5003} \\ \underline{4988} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5003 \div 31 = 161 \text{ remainder } 12$$

$$\begin{array}{r} 161 \\ 31 \overline{) 5003} \end{array}$$

4991  
 ----  
 12 ← remainder

$$5003 \div 37 = 135 \text{ remainder } 8$$

37 |  $\overline{135}$   
 $\overline{5003}$   
 4995  
 ----  
 8 ← remainder

$$5003 \div 41 = 122 \text{ remainder } 1$$

41 |  $\overline{122}$   
 $\overline{5003}$   
 5002  
 ----  
 1 ← remainder

$$5003 \div 43 = 116 \text{ remainder } 15$$

43 |  $\overline{116}$   
 $\overline{5003}$   
 4988  
 ----  
 15 ← remainder

$$5003 \div 47 = 106 \text{ remainder } 21$$

47 |  $\overline{106}$   
 $\overline{5003}$   
 4982  
 ----  
 21 ← remainder

$$5003 \div 53 = 94 \text{ remainder } 21$$

53 |  $\overline{94}$   
 $\overline{5003}$   
 4982  
 ----  
 21 ← remainder



$$5003 \div 59 = 84 \text{ remainder } 47$$

$$\begin{array}{r} 84 \\ 59 \overline{) 5003} \\ \underline{4956} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$5003 \div 61 = 82 \text{ remainder } 1$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5003} \\ \underline{5002} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5003 \div 67 = 74 \text{ remainder } 45$$

$$\begin{array}{r} 74 \\ 67 \overline{) 5003} \\ \underline{4958} \\ 45 \end{array} \leftarrow \text{remainder}$$

## **P<sub>671</sub> 5009**

$$5009 \div 2 = 2504 \text{ remainder } 1$$

$$\begin{array}{r} 2504 \\ 2 \overline{) 5009} \\ \underline{5008} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 3 = 1669 \text{ remainder } 2$$

$$\begin{array}{r} 1669 \\ 3 \overline{) 5009} \\ \underline{5007} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 5 = 1001 \text{ remainder } 4$$

$$\begin{array}{r} 1001 \\ 5 \overline{) 5009} \\ \underline{5005} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 7 = 715 \text{ remainder } 4$$

$$\begin{array}{r} 715 \\ 7 \overline{) 5009} \\ \underline{5005} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 11 = 455 \text{ remainder } 4$$

$$\begin{array}{r} 455 \\ 11 \overline{) 5009} \\ \underline{5005} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 13 = 385 \text{ remainder } 4$$

$$\begin{array}{r} 385 \\ 13 \overline{) 5009} \\ \underline{5005} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 17 = 294 \text{ remainder } 11$$

$$\begin{array}{r} 294 \\ 17 \overline{) 5009} \\ \underline{4998} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 19 = 263 \text{ remainder } 12$$

$$\begin{array}{r} 263 \\ 19 \overline{) 5009} \\ \underline{4997} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 23 = 217 \text{ remainder } 18$$

$$\begin{array}{r} 217 \\ 23 \overline{) 5009} \\ \underline{4991} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 29 = 172 \text{ remainder } 21$$

$$\begin{array}{r} 172 \\ 29 \overline{) 5009} \\ \underline{4988} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 31 = 161 \text{ remainder } 18$$

$$\begin{array}{r} 161 \\ 31 \overline{) 5009} \end{array}$$

4991  
 ----  
 18 ← remainder

$$5009 \div 37 = 135 \text{ remainder } 14$$

135  
 37 | 5009  
 4995  
 ----  
 14 ← remainder

$$5009 \div 41 = 122 \text{ remainder } 7$$

122  
 41 | 5009  
 5002  
 ----  
 7 ← remainder

$$5009 \div 43 = 116 \text{ remainder } 21$$

116  
 43 | 5009  
 4988  
 ----  
 21 ← remainder

$$5009 \div 47 = 106 \text{ remainder } 27$$

106  
 47 | 5009  
 4982  
 ----  
 27 ← remainder

$$5009 \div 53 = 94 \text{ remainder } 27$$

94  
 53 | 5009  
 4982  
 ----  
 27 ← remainder

$$5009 \div 59 = 84 \text{ remainder } 53$$

$$\begin{array}{r} 84 \\ 59 \overline{) 5009} \\ \underline{4956} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 61 = 82 \text{ remainder } 7$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5009} \\ \underline{5002} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5009 \div 67 = 74 \text{ remainder } 51$$

$$\begin{array}{r} 74 \\ 67 \overline{) 5009} \\ \underline{4958} \\ 51 \end{array} \leftarrow \text{remainder}$$

## **P<sub>672</sub> 5011**

$$5011 \div 2 = 2505 \text{ remainder } 1$$

$$\begin{array}{r} 2505 \\ 2 \overline{) 5011} \\ \underline{5010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 3 = 1670 \text{ remainder } 1$$

$$\begin{array}{r} 1670 \\ 3 \overline{) 5011} \\ \underline{5010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 5 = 1002 \text{ remainder } 1$$

$$\begin{array}{r} 1002 \\ 5 \overline{) 5011} \\ \underline{5010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 7 = 715 \text{ remainder } 6$$

$$\begin{array}{r} 715 \\ 7 \overline{) 5011} \\ \underline{5005} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 11 = 455 \text{ remainder } 6$$

$$\begin{array}{r} 455 \\ 11 \overline{) 5011} \\ \underline{5005} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 13 = 385 \text{ remainder } 6$$

$$\begin{array}{r} 385 \\ 13 \overline{) 5011} \\ \underline{5005} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 17 = 294 \text{ remainder } 13$$

$$\begin{array}{r} 294 \\ 17 \overline{) 5011} \\ \underline{4998} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 19 = 263 \text{ remainder } 14$$

$$\begin{array}{r} 263 \\ 19 \overline{) 5011} \\ \underline{4997} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 23 = 217 \text{ remainder } 20$$

$$\begin{array}{r} 217 \\ 23 \overline{) 5011} \\ \underline{4991} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 29 = 172 \text{ remainder } 23$$

$$\begin{array}{r} 172 \\ 29 \overline{) 5011} \\ \underline{4988} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 31 = 161 \text{ remainder } 20$$

$$\begin{array}{r} 161 \\ 31 \overline{) 5011} \end{array}$$

```

4991
----
20 ← remainder

```

$$5011 \div 37 = 135 \text{ remainder } 16$$

```

      135
37 | 5011
    4995
    ----
      16 ← remainder

```

$$5011 \div 41 = 122 \text{ remainder } 9$$

```

      122
41 | 5011
    5002
    ----
      9 ← remainder

```

$$5011 \div 43 = 116 \text{ remainder } 23$$

```

      116
43 | 5011
    4988
    ----
      23 ← remainder

```

$$5011 \div 47 = 106 \text{ remainder } 29$$

```

      106
47 | 5011
    4982
    ----
      29 ← remainder

```

$$5011 \div 53 = 94 \text{ remainder } 29$$

```

      94
53 | 5011
    4982
    ----
      29 ← remainder

```



$$5011 \div 59 = 84 \text{ remainder } 55$$

$$\begin{array}{r} 84 \\ 59 \overline{) 5011} \\ \underline{4956} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 61 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5011} \\ \underline{5002} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5011 \div 67 = 74 \text{ remainder } 53$$

$$\begin{array}{r} 74 \\ 67 \overline{) 5011} \\ \underline{4958} \\ 53 \end{array} \leftarrow \text{remainder}$$

## **P<sub>673</sub> 5021**

$$5021 \div 2 = 2510 \text{ remainder } 1$$

$$\begin{array}{r} 2510 \\ 2 \overline{) 5021} \\ \underline{5020} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 3 = 1673 \text{ remainder } 2$$

$$\begin{array}{r} 1673 \\ 3 \overline{) 5021} \\ \underline{5019} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 5 = 1004 \text{ remainder } 1$$

$$\begin{array}{r} 1004 \\ 5 \overline{) 5021} \\ \underline{5020} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 7 = 717 \text{ remainder } 2$$

$$\begin{array}{r} 717 \\ 7 \overline{) 5021} \\ \underline{5019} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 11 = 456 \text{ remainder } 5$$

$$\begin{array}{r} 456 \\ 11 \overline{) 5021} \\ \underline{5016} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 13 = 386 \text{ remainder } 3$$

$$\begin{array}{r} 386 \\ 13 \overline{) 5021} \\ \underline{5018} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 17 = 295 \text{ remainder } 6$$

$$\begin{array}{r} 295 \\ 17 \overline{) 5021} \\ \underline{5015} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 19 = 264 \text{ remainder } 5$$

$$\begin{array}{r} 264 \\ 19 \overline{) 5021} \\ \underline{5016} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 23 = 218 \text{ remainder } 7$$

$$\begin{array}{r} 218 \\ 23 \overline{) 5021} \\ \underline{5014} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 29 = 173 \text{ remainder } 4$$

$$\begin{array}{r} 173 \\ 29 \overline{) 5021} \\ \underline{5017} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 31 = 161 \text{ remainder } 30$$

$$\begin{array}{r} 161 \\ 31 \overline{) 5021} \end{array}$$

4991  
 ----  
 30 ← remainder

$$5021 \div 37 = 135 \text{ remainder } 26$$

$$\begin{array}{r} 135 \\ 37 \overline{) 5021} \\ \underline{4995} \\ 26 \end{array}$$
 26 ← remainder

$$5021 \div 41 = 122 \text{ remainder } 19$$

$$\begin{array}{r} 122 \\ 41 \overline{) 5021} \\ \underline{5002} \\ 19 \end{array}$$
 19 ← remainder

$$5021 \div 43 = 116 \text{ remainder } 33$$

$$\begin{array}{r} 116 \\ 43 \overline{) 5021} \\ \underline{4988} \\ 33 \end{array}$$
 33 ← remainder

$$5021 \div 47 = 106 \text{ remainder } 39$$

$$\begin{array}{r} 106 \\ 47 \overline{) 5021} \\ \underline{4982} \\ 39 \end{array}$$
 39 ← remainder

$$5021 \div 53 = 94 \text{ remainder } 39$$

$$\begin{array}{r} 94 \\ 53 \overline{) 5021} \\ \underline{4982} \\ 39 \end{array}$$
 39 ← remainder

$$5021 \div 59 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 59 \overline{) 5021} \\ \underline{5015} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 61 = 82 \text{ remainder } 19$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5021} \\ \underline{5002} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5021 \div 67 = 74 \text{ remainder } 63$$

$$\begin{array}{r} 74 \\ 67 \overline{) 5021} \\ \underline{4958} \\ 63 \end{array} \leftarrow \text{remainder}$$

## **P<sub>674</sub> 5023**

$$5023 \div 2 = 2511 \text{ remainder } 1$$

$$\begin{array}{r} 2511 \\ 2 \overline{) 5023} \\ \underline{5022} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 3 = 1674 \text{ remainder } 1$$

$$\begin{array}{r} 1674 \\ 3 \overline{) 5023} \\ \underline{5022} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 5 = 1004 \text{ remainder } 3$$

$$\begin{array}{r} 1004 \\ 5 \overline{) 5023} \\ \underline{5020} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 7 = 717 \text{ remainder } 4$$

$$\begin{array}{r} 717 \\ 7 \overline{) 5023} \\ \underline{5019} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 11 = 456 \text{ remainder } 7$$

$$\begin{array}{r} 456 \\ 11 \overline{) 5023} \\ \underline{5016} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 13 = 386 \text{ remainder } 5$$

$$\begin{array}{r} 386 \\ 13 \overline{) 5023} \\ \underline{5018} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 17 = 295 \text{ remainder } 8$$

$$\begin{array}{r} 295 \\ 17 \overline{) 5023} \\ \underline{5015} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 19 = 264 \text{ remainder } 7$$

$$\begin{array}{r} 264 \\ 19 \overline{) 5023} \\ \underline{5016} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 23 = 218 \text{ remainder } 9$$

$$\begin{array}{r} 218 \\ 23 \overline{) 5023} \\ \underline{5014} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 29 = 173 \text{ remainder } 6$$

$$\begin{array}{r} 173 \\ 29 \overline{) 5023} \\ \underline{5017} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 31 = 162 \text{ remainder } 1$$

$$\begin{array}{r} 162 \\ 31 \overline{) 5023} \end{array}$$

5022

----

1 ← remainder

$$5023 \div 37 = 135 \text{ remainder } 28$$

$$\begin{array}{r} 135 \\ 37 \overline{) 5023} \\ \underline{4995} \end{array}$$

----

28 ← remainder

$$5023 \div 41 = 122 \text{ remainder } 21$$

$$\begin{array}{r} 122 \\ 41 \overline{) 5023} \\ \underline{5002} \end{array}$$

----

21 ← remainder

$$5023 \div 43 = 116 \text{ remainder } 35$$

$$\begin{array}{r} 116 \\ 43 \overline{) 5023} \\ \underline{4988} \end{array}$$

----

35 ← remainder

$$5023 \div 47 = 106 \text{ remainder } 41$$

$$\begin{array}{r} 106 \\ 47 \overline{) 5023} \\ \underline{4982} \end{array}$$

----

41 ← remainder

$$5023 \div 53 = 94 \text{ remainder } 41$$

$$\begin{array}{r} 94 \\ 53 \overline{) 5023} \\ \underline{4982} \end{array}$$

----

41 ← remainder



$$5023 \div 59 = 85 \text{ remainder } 8$$

$$\begin{array}{r} 85 \\ 59 \overline{) 5023} \\ \underline{5015} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 61 = 82 \text{ remainder } 21$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5023} \\ \underline{5002} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5023 \div 67 = 74 \text{ remainder } 65$$

$$\begin{array}{r} 74 \\ 67 \overline{) 5023} \\ \underline{4958} \\ 65 \end{array} \leftarrow \text{remainder}$$

## **P<sub>675</sub> 5039**

$$5039 \div 2 = 2519 \text{ remainder } 1$$

$$\begin{array}{r} 2519 \\ 2 \overline{) 5039} \\ \underline{5038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5039 \div 3 = 1679 \text{ remainder } 2$$

$$\begin{array}{r} 1679 \\ 3 \overline{) 5039} \\ \underline{5037} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5039 \div 5 = 1007 \text{ remainder } 4$$

$$\begin{array}{r} 1007 \\ 5 \overline{) 5039} \\ \underline{5035} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5039 \div 7 = 719 \text{ remainder } 6$$

$$\begin{array}{r} 719 \\ 7 \overline{) 5039} \\ \underline{5033} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5039 \div 11 = 458 \text{ remainder } 1$$

$$\begin{array}{r} 458 \\ 11 \overline{) 5039} \\ \underline{5038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5039 \div 13 = 387 \text{ remainder } 8$$

$$\begin{array}{r} 387 \\ 13 \overline{) 5039} \\ \underline{5031} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5039 \div 17 = 296 \text{ remainder } 7$$

$$\begin{array}{r} 296 \\ 17 \overline{) 5039} \\ \underline{5032} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5039 \div 19 = 265 \text{ remainder } 4$$

$$\begin{array}{r} 265 \\ 19 \overline{) 5039} \\ \underline{5035} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5039 \div 23 = 219 \text{ remainder } 2$$

$$\begin{array}{r} 219 \\ 23 \overline{) 5039} \\ \underline{5037} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5039 \div 29 = 173 \text{ remainder } 22$$

$$\begin{array}{r} 173 \\ 29 \overline{) 5039} \\ \underline{5017} \phantom{00} \\ 22 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5039 \div 31 = 162 \text{ remainder } 17$$

$$\begin{array}{r} 162 \\ 31 \overline{) 5039} \end{array}$$

```

5022
----
17 ← remainder

```

$$5039 \div 37 = 136 \text{ remainder } 7$$

```

      136
37 | 5039
    5032
    ----
      7 ← remainder

```

$$5039 \div 41 = 122 \text{ remainder } 37$$

```

      122
41 | 5039
    5002
    ----
     37 ← remainder

```

$$5039 \div 43 = 117 \text{ remainder } 8$$

```

      117
43 | 5039
    5031
    ----
      8 ← remainder

```

$$5039 \div 47 = 107 \text{ remainder } 10$$

```

      107
47 | 5039
    5029
    ----
     10 ← remainder

```

$$5039 \div 53 = 95 \text{ remainder } 4$$

```

      95
53 | 5039
    5035
    ----
      4 ← remainder

```

$$5039 \div 59 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 59 \overline{) 5039} \\ \underline{5015} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5039 \div 61 = 82 \text{ remainder } 37$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5039} \\ \underline{5002} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$5039 \div 67 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5039} \\ \underline{5025} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>676</sub> 5051**

$$5051 \div 2 = 2525 \text{ remainder } 1$$

$$\begin{array}{r} 2525 \\ 2 \overline{) 5051} \\ \underline{5050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5051 \div 3 = 1683 \text{ remainder } 2$$

$$\begin{array}{r} 1683 \\ 3 \overline{) 5051} \\ \underline{5049} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5051 \div 5 = 1010 \text{ remainder } 1$$

$$\begin{array}{r} 1010 \\ 5 \overline{) 5051} \\ \underline{5050} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5051 \div 7 = 721 \text{ remainder } 4$$

$$\begin{array}{r} 721 \\ 7 \overline{) 5051} \\ \underline{5047} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5051 \div 11 = 459 \text{ remainder } 2$$

$$\begin{array}{r} 459 \\ 11 \overline{) 5051} \\ \underline{5049} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5051 \div 13 = 388 \text{ remainder } 7$$

$$\begin{array}{r} 388 \\ 13 \overline{) 5051} \\ \underline{5044} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5051 \div 17 = 297 \text{ remainder } 2$$

$$\begin{array}{r} 297 \\ 17 \overline{) 5051} \\ \underline{5049} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5051 \div 19 = 265 \text{ remainder } 16$$

$$\begin{array}{r} 265 \\ 19 \overline{) 5051} \\ \underline{5035} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5051 \div 23 = 219 \text{ remainder } 14$$

$$\begin{array}{r} 219 \\ 23 \overline{) 5051} \\ \underline{5037} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5051 \div 29 = 174 \text{ remainder } 5$$

$$\begin{array}{r} 174 \\ 29 \overline{) 5051} \\ \underline{5046} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5051 \div 31 = 162 \text{ remainder } 29$$

$$\begin{array}{r} 162 \\ 31 \overline{) 5051} \end{array}$$

$$\begin{array}{r} 5022 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5051 \div 37 = 136 \text{ remainder } 19$$

$$\begin{array}{r} 136 \\ 37 \overline{) 5051} \\ \underline{5032} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5051 \div 41 = 123 \text{ remainder } 8$$

$$\begin{array}{r} 123 \\ 41 \overline{) 5051} \\ \underline{5043} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5051 \div 43 = 117 \text{ remainder } 20$$

$$\begin{array}{r} 117 \\ 43 \overline{) 5051} \\ \underline{5031} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$5051 \div 47 = 107 \text{ remainder } 22$$

$$\begin{array}{r} 107 \\ 47 \overline{) 5051} \\ \underline{5029} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$5051 \div 53 = 95 \text{ remainder } 16$$

$$\begin{array}{r} 95 \\ 53 \overline{) 5051} \\ \underline{5035} \\ 16 \leftarrow \text{remainder} \end{array}$$



$$5051 \div 59 = 85 \text{ remainder } 36$$

$$\begin{array}{r} 85 \\ 59 \overline{) 5051} \\ \underline{5015} \phantom{00} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$5051 \div 61 = 82 \text{ remainder } 49$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5051} \\ \underline{5002} \phantom{00} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$5051 \div 67 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5051} \\ \underline{5025} \phantom{00} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5051 \div 71 = 71 \text{ remainder } 10$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5051} \\ \underline{5041} \phantom{00} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>677</sub> 5059**

$$5059 \div 2 = 2529 \text{ remainder } 1$$

$$\begin{array}{r} 2529 \\ 2 \overline{) 5059} \\ \underline{5058} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 3 = 1686 \text{ remainder } 1$$

$$\begin{array}{r} 1686 \\ 3 \overline{) 5059} \\ \underline{5058} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 5 = 1011 \text{ remainder } 4$$

$$\begin{array}{r} 1011 \\ 5 \overline{) 5059} \\ \underline{5055} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 7 = 722 \text{ remainder } 5$$

$$\begin{array}{r} 722 \\ 7 \overline{) 5059} \\ \underline{5054} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 11 = 459 \text{ remainder } 10$$

$$\begin{array}{r} 459 \\ 11 \overline{) 5059} \\ \underline{5049} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 13 = 389 \text{ remainder } 2$$

$$\begin{array}{r} 389 \\ 13 \overline{) 5059} \\ \underline{5057} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 17 = 297 \text{ remainder } 10$$

$$\begin{array}{r} 297 \\ 17 \overline{) 5059} \\ \underline{5049} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 19 = 266 \text{ remainder } 5$$

$$\begin{array}{r} 266 \\ 19 \overline{) 5059} \\ \underline{5054} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 23 = 219 \text{ remainder } 22$$

$$\begin{array}{r} 219 \\ 23 \overline{) 5059} \\ \underline{5037} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 29 = 174 \text{ remainder } 13$$

$$\begin{array}{r} 174 \\ 29 \overline{) 5059} \\ \underline{5046} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 31 = 163 \text{ remainder } 6$$

$$\begin{array}{r} 163 \\ 31 \overline{) 5059} \end{array}$$

$$\begin{array}{r} 5053 \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5059 \div 37 = 136 \text{ remainder } 27$$

$$\begin{array}{r} 136 \\ 37 \overline{) 5059} \\ \underline{5032} \phantom{00} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5059 \div 41 = 123 \text{ remainder } 16$$

$$\begin{array}{r} 123 \\ 41 \overline{) 5059} \\ \underline{5043} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5059 \div 43 = 117 \text{ remainder } 28$$

$$\begin{array}{r} 117 \\ 43 \overline{) 5059} \\ \underline{5031} \phantom{00} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5059 \div 47 = 107 \text{ remainder } 30$$

$$\begin{array}{r} 107 \\ 47 \overline{) 5059} \\ \underline{5029} \phantom{00} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5059 \div 53 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 53 \overline{) 5059} \\ \underline{5035} \phantom{00} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5059 \div 59 = 85 \text{ remainder } 44$$

$$\begin{array}{r} 85 \\ 59 \overline{) 5059} \\ \underline{5015} \phantom{00} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 61 = 82 \text{ remainder } 57$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5059} \\ \underline{5002} \phantom{00} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 67 = 75 \text{ remainder } 34$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5059} \\ \underline{5025} \phantom{00} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$5059 \div 71 = 71 \text{ remainder } 18$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5059} \\ \underline{5041} \phantom{00} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>678</sub> 5077**

$$5077 \div 2 = 2538 \text{ remainder } 1$$

$$\begin{array}{r} 2538 \\ 2 \overline{) 5077} \\ \underline{5076} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 3 = 1692 \text{ remainder } 1$$

$$\begin{array}{r} 1692 \\ 3 \overline{) 5077} \\ \underline{5076} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 5 = 1015 \text{ remainder } 2$$

$$\begin{array}{r} 1015 \\ 5 \overline{) 5077} \\ \underline{5075} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 7 = 725 \text{ remainder } 2$$

$$\begin{array}{r} 725 \\ 7 \overline{) 5077} \\ \underline{5075} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 11 = 461 \text{ remainder } 6$$

$$\begin{array}{r} 461 \\ 11 \overline{) 5077} \\ \underline{5071} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 13 = 390 \text{ remainder } 7$$

$$\begin{array}{r} 390 \\ 13 \overline{) 5077} \\ \underline{5070} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 17 = 298 \text{ remainder } 11$$

$$\begin{array}{r} 298 \\ 17 \overline{) 5077} \\ \underline{5066} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 19 = 267 \text{ remainder } 4$$

$$\begin{array}{r} 267 \\ 19 \overline{) 5077} \\ \underline{5073} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 23 = 220 \text{ remainder } 17$$

$$\begin{array}{r} 220 \\ 23 \overline{) 5077} \\ \underline{5060} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 29 = 175 \text{ remainder } 2$$

$$\begin{array}{r} 175 \\ 29 \overline{) 5077} \\ \underline{5075} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 31 = 163 \text{ remainder } 24$$

$$\begin{array}{r} 163 \\ 31 \overline{) 5077} \end{array}$$

$$\begin{array}{r} 5053 \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5077 \div 37 = 137 \text{ remainder } 8$$

$$\begin{array}{r} 137 \\ 37 \overline{) 5077} \\ \underline{5069} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5077 \div 41 = 123 \text{ remainder } 34$$

$$\begin{array}{r} 123 \\ 41 \overline{) 5077} \\ \underline{5043} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$5077 \div 43 = 118 \text{ remainder } 3$$

$$\begin{array}{r} 118 \\ 43 \overline{) 5077} \\ \underline{5074} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5077 \div 47 = 108 \text{ remainder } 1$$

$$\begin{array}{r} 108 \\ 47 \overline{) 5077} \\ \underline{5076} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5077 \div 53 = 95 \text{ remainder } 42$$

$$\begin{array}{r} 95 \\ 53 \overline{) 5077} \\ \underline{5035} \\ 42 \leftarrow \text{remainder} \end{array}$$



$$5077 \div 59 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5077} \\ \underline{5074} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 61 = 83 \text{ remainder } 14$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5077} \\ \underline{5063} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 67 = 75 \text{ remainder } 52$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5077} \\ \underline{5025} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$5077 \div 71 = 71 \text{ remainder } 36$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5077} \\ \underline{5041} \\ 36 \end{array} \leftarrow \text{remainder}$$

## **P<sub>679</sub> 5081**

$$5081 \div 2 = 2540 \text{ remainder } 1$$

$$\begin{array}{r} 2540 \\ 2 \overline{) 5081} \\ \underline{5080} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 3 = 1693 \text{ remainder } 2$$

$$\begin{array}{r} 1693 \\ 3 \overline{) 5081} \\ \underline{5079} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 5 = 1016 \text{ remainder } 1$$

$$\begin{array}{r} 1016 \\ 5 \overline{) 5081} \\ \underline{5080} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 7 = 725 \text{ remainder } 6$$

$$\begin{array}{r} 725 \\ 7 \overline{) 5081} \\ \underline{5075} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 11 = 461 \text{ remainder } 10$$

$$\begin{array}{r} 461 \\ 11 \overline{) 5081} \\ \underline{5071} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 13 = 390 \text{ remainder } 11$$

$$\begin{array}{r} 390 \\ 13 \overline{) 5081} \\ \underline{5070} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 17 = 298 \text{ remainder } 15$$

$$\begin{array}{r} 298 \\ 17 \overline{) 5081} \\ \underline{5066} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 19 = 267 \text{ remainder } 8$$

$$\begin{array}{r} 267 \\ 19 \overline{) 5081} \\ \underline{5073} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 23 = 220 \text{ remainder } 21$$

$$\begin{array}{r} 220 \\ 23 \overline{) 5081} \\ \underline{5060} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 29 = 175 \text{ remainder } 6$$

$$\begin{array}{r} 175 \\ 29 \overline{) 5081} \\ \underline{5075} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5081 \div 31 = 163 \text{ remainder } 28$$

$$\begin{array}{r} 163 \\ 31 \overline{) 5081} \end{array}$$

$$\begin{array}{r} 5053 \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5081 \div 37 = 137 \text{ remainder } 12$$

$$\begin{array}{r} 137 \\ 37 \overline{) 5081} \\ \underline{5069} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5081 \div 41 = 123 \text{ remainder } 38$$

$$\begin{array}{r} 123 \\ 41 \overline{) 5081} \\ \underline{5043} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$5081 \div 43 = 118 \text{ remainder } 7$$

$$\begin{array}{r} 118 \\ 43 \overline{) 5081} \\ \underline{5074} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5081 \div 47 = 108 \text{ remainder } 5$$

$$\begin{array}{r} 108 \\ 47 \overline{) 5081} \\ \underline{5076} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5081 \div 53 = 95 \text{ remainder } 46$$

$$\begin{array}{r} 95 \\ 53 \overline{) 5081} \\ \underline{5035} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$5081 \div 59 = 86 \text{ remainder } 7$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5081} \\ \underline{5074} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5081 \div 61 = 83 \text{ remainder } 18$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5081} \\ \underline{5063} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5081 \div 67 = 75 \text{ remainder } 56$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5081} \\ \underline{5025} \phantom{00} \\ 56 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5081 \div 71 = 71 \text{ remainder } 40$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5081} \\ \underline{5041} \phantom{00} \\ 40 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>680</sub> 5087**

$$5087 \div 2 = 2543 \text{ remainder } 1$$

$$\begin{array}{r} 2543 \\ 2 \overline{) 5087} \\ \underline{5086} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 3 = 1695 \text{ remainder } 2$$

$$\begin{array}{r} 1695 \\ 3 \overline{) 5087} \\ \underline{5085} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 5 = 1017 \text{ remainder } 2$$

$$\begin{array}{r} 1017 \\ 5 \overline{) 5087} \\ \underline{5085} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 7 = 726 \text{ remainder } 5$$

$$\begin{array}{r} 726 \\ 7 \overline{) 5087} \\ \underline{5082} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 11 = 462 \text{ remainder } 5$$

$$\begin{array}{r} 462 \\ 11 \overline{) 5087} \\ \underline{5082} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 13 = 391 \text{ remainder } 4$$

$$\begin{array}{r} 391 \\ 13 \overline{) 5087} \\ \underline{5083} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 17 = 299 \text{ remainder } 4$$

$$\begin{array}{r} 299 \\ 17 \overline{) 5087} \\ \underline{5083} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 19 = 267 \text{ remainder } 14$$

$$\begin{array}{r} 267 \\ 19 \overline{) 5087} \\ \underline{5073} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 23 = 221 \text{ remainder } 4$$

$$\begin{array}{r} 221 \\ 23 \overline{) 5087} \\ \underline{5083} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 29 = 175 \text{ remainder } 12$$

$$\begin{array}{r} 175 \\ 29 \overline{) 5087} \\ \underline{5075} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 31 = 164 \text{ remainder } 3$$

$$\begin{array}{r} 164 \\ 31 \overline{) 5087} \end{array}$$

$$\begin{array}{r} 5084 \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5087 \div 37 = 137 \text{ remainder } 18$$

$$\begin{array}{r} 137 \\ 37 \overline{) 5087} \\ \underline{5069} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5087 \div 41 = 124 \text{ remainder } 3$$

$$\begin{array}{r} 124 \\ 41 \overline{) 5087} \\ \underline{5084} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5087 \div 43 = 118 \text{ remainder } 13$$

$$\begin{array}{r} 118 \\ 43 \overline{) 5087} \\ \underline{5074} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5087 \div 47 = 108 \text{ remainder } 11$$

$$\begin{array}{r} 108 \\ 47 \overline{) 5087} \\ \underline{5076} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5087 \div 53 = 95 \text{ remainder } 52$$

$$\begin{array}{r} 95 \\ 53 \overline{) 5087} \\ \underline{5035} \\ 52 \leftarrow \text{remainder} \end{array}$$



$$5087 \div 59 = 86 \text{ remainder } 13$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5087} \\ \underline{5074} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 61 = 83 \text{ remainder } 24$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5087} \\ \underline{5063} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 67 = 75 \text{ remainder } 62$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5087} \\ \underline{5025} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$5087 \div 71 = 71 \text{ remainder } 46$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5087} \\ \underline{5041} \\ 46 \end{array} \leftarrow \text{remainder}$$

## **P<sub>681</sub> 5099**

$$5099 \div 2 = 2549 \text{ remainder } 1$$

$$\begin{array}{r} 2549 \\ 2 \overline{) 5099} \\ \underline{5098} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 3 = 1699 \text{ remainder } 2$$

$$\begin{array}{r} 1699 \\ 3 \overline{) 5099} \\ \underline{5097} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 5 = 1019 \text{ remainder } 4$$

$$\begin{array}{r} 1019 \\ 5 \overline{) 5099} \\ \underline{5095} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 7 = 728 \text{ remainder } 3$$

$$\begin{array}{r} 728 \\ 7 \overline{) 5099} \\ \underline{5096} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 11 = 463 \text{ remainder } 6$$

$$\begin{array}{r} 463 \\ 11 \overline{) 5099} \\ \underline{5093} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 13 = 392 \text{ remainder } 3$$

$$\begin{array}{r} 392 \\ 13 \overline{) 5099} \\ \underline{5096} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 17 = 299 \text{ remainder } 16$$

$$\begin{array}{r} 299 \\ 17 \overline{) 5099} \\ \underline{5083} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 19 = 268 \text{ remainder } 7$$

$$\begin{array}{r} 268 \\ 19 \overline{) 5099} \\ \underline{5092} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 23 = 221 \text{ remainder } 16$$

$$\begin{array}{r} 221 \\ 23 \overline{) 5099} \\ \underline{5083} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 29 = 175 \text{ remainder } 24$$

$$\begin{array}{r} 175 \\ 29 \overline{) 5099} \\ \underline{5075} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 31 = 164 \text{ remainder } 15$$

$$\begin{array}{r} 164 \\ 31 \overline{) 5099} \end{array}$$

$$\begin{array}{r} 5084 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5099 \div 37 = 137 \text{ remainder } 30$$

$$\begin{array}{r} 137 \\ 37 \overline{) 5099} \\ \underline{5069} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5099 \div 41 = 124 \text{ remainder } 15$$

$$\begin{array}{r} 124 \\ 41 \overline{) 5099} \\ \underline{5084} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5099 \div 43 = 118 \text{ remainder } 25$$

$$\begin{array}{r} 118 \\ 43 \overline{) 5099} \\ \underline{5074} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5099 \div 47 = 108 \text{ remainder } 23$$

$$\begin{array}{r} 108 \\ 47 \overline{) 5099} \\ \underline{5076} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5099 \div 53 = 96 \text{ remainder } 11$$

$$\begin{array}{r} 96 \\ 53 \overline{) 5099} \\ \underline{5088} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5099 \div 59 = 86 \text{ remainder } 25$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5099} \\ \underline{5074} \phantom{00} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 61 = 83 \text{ remainder } 36$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5099} \\ \underline{5063} \phantom{00} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 67 = 76 \text{ remainder } 7$$

$$\begin{array}{r} 76 \\ 67 \overline{) 5099} \\ \underline{5092} \phantom{00} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5099 \div 71 = 71 \text{ remainder } 58$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5099} \\ \underline{5041} \phantom{00} \\ 58 \end{array} \leftarrow \text{remainder}$$

## **P<sub>682</sub> 5101**

$$5101 \div 2 = 2550 \text{ remainder } 1$$

$$\begin{array}{r} 2550 \\ 2 \overline{) 5101} \\ \underline{5100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 3 = 1700 \text{ remainder } 1$$

$$\begin{array}{r} 1700 \\ 3 \overline{) 5101} \\ \underline{5100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 5 = 1020 \text{ remainder } 1$$

$$\begin{array}{r} 1020 \\ 5 \overline{) 5101} \\ \underline{5100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 7 = 728 \text{ remainder } 5$$

$$\begin{array}{r} 728 \\ 7 \overline{) 5101} \\ \underline{5096} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 11 = 463 \text{ remainder } 8$$

$$\begin{array}{r} 463 \\ 11 \overline{) 5101} \\ \underline{5093} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 13 = 392 \text{ remainder } 5$$

$$\begin{array}{r} 392 \\ 13 \overline{) 5101} \\ \underline{5096} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 17 = 300 \text{ remainder } 1$$

$$\begin{array}{r} 300 \\ 17 \overline{) 5101} \\ \underline{5100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 19 = 268 \text{ remainder } 9$$

$$\begin{array}{r} 268 \\ 19 \overline{) 5101} \\ \underline{5092} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 23 = 221 \text{ remainder } 18$$

$$\begin{array}{r} 221 \\ 23 \overline{) 5101} \\ \underline{5083} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 29 = 175 \text{ remainder } 26$$

$$\begin{array}{r} 175 \\ 29 \overline{) 5101} \\ \underline{5075} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 31 = 164 \text{ remainder } 17$$

$$\begin{array}{r} 164 \\ 31 \overline{) 5101} \end{array}$$

$$\begin{array}{r} 5084 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5101 \div 37 = 137 \text{ remainder } 32$$

$$\begin{array}{r} 137 \\ 37 \overline{) 5101} \\ \underline{5069} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$5101 \div 41 = 124 \text{ remainder } 17$$

$$\begin{array}{r} 124 \\ 41 \overline{) 5101} \\ \underline{5084} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5101 \div 43 = 118 \text{ remainder } 27$$

$$\begin{array}{r} 118 \\ 43 \overline{) 5101} \\ \underline{5074} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5101 \div 47 = 108 \text{ remainder } 25$$

$$\begin{array}{r} 108 \\ 47 \overline{) 5101} \\ \underline{5076} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5101 \div 53 = 96 \text{ remainder } 13$$

$$\begin{array}{r} 96 \\ 53 \overline{) 5101} \\ \underline{5088} \\ 13 \leftarrow \text{remainder} \end{array}$$



$$5101 \div 59 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5101} \\ \underline{5074} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 61 = 83 \text{ remainder } 38$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5101} \\ \underline{5063} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 67 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 67 \overline{) 5101} \\ \underline{5092} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5101 \div 71 = 71 \text{ remainder } 60$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5101} \\ \underline{5041} \\ 60 \end{array} \leftarrow \text{remainder}$$

## **P<sub>683</sub> 5107**

$$5107 \div 2 = 2553 \text{ remainder } 1$$

$$\begin{array}{r} 2553 \\ 2 \overline{) 5107} \\ \underline{5106} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 3 = 1702 \text{ remainder } 1$$

$$\begin{array}{r} 1702 \\ 3 \overline{) 5107} \\ \underline{5106} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 5 = 1021 \text{ remainder } 2$$

$$\begin{array}{r} 1021 \\ 5 \overline{) 5107} \\ \underline{5105} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 7 = 729 \text{ remainder } 4$$

$$\begin{array}{r} 729 \\ 7 \overline{) 5107} \\ \underline{5103} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 11 = 464 \text{ remainder } 3$$

$$\begin{array}{r} 464 \\ 11 \overline{) 5107} \\ \underline{5104} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 13 = 392 \text{ remainder } 11$$

$$\begin{array}{r} 392 \\ 13 \overline{) 5107} \\ \underline{5096} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 17 = 300 \text{ remainder } 7$$

$$\begin{array}{r} 300 \\ 17 \overline{) 5107} \\ \underline{5100} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 19 = 268 \text{ remainder } 15$$

$$\begin{array}{r} 268 \\ 19 \overline{) 5107} \\ \underline{5092} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 23 = 222 \text{ remainder } 1$$

$$\begin{array}{r} 222 \\ 23 \overline{) 5107} \\ \underline{5106} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 29 = 176 \text{ remainder } 3$$

$$\begin{array}{r} 176 \\ 29 \overline{) 5107} \\ \underline{5104} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 31 = 164 \text{ remainder } 23$$

$$\begin{array}{r} 164 \\ 31 \overline{) 5107} \end{array}$$

$$\begin{array}{r} 5084 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5107 \div 37 = 138 \text{ remainder } 1$$

$$\begin{array}{r} 138 \\ 37 \overline{) 5107} \\ \underline{5106} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5107 \div 41 = 124 \text{ remainder } 23$$

$$\begin{array}{r} 124 \\ 41 \overline{) 5107} \\ \underline{5084} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5107 \div 43 = 118 \text{ remainder } 33$$

$$\begin{array}{r} 118 \\ 43 \overline{) 5107} \\ \underline{5074} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$5107 \div 47 = 108 \text{ remainder } 31$$

$$\begin{array}{r} 108 \\ 47 \overline{) 5107} \\ \underline{5076} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$5107 \div 53 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 53 \overline{) 5107} \\ \underline{5088} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5107 \div 59 = 86 \text{ remainder } 33$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5107} \\ \underline{5074} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 61 = 83 \text{ remainder } 44$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5107} \\ \underline{5063} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 67 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 67 \overline{) 5107} \\ \underline{5092} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5107 \div 71 = 71 \text{ remainder } 66$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5107} \\ \underline{5041} \\ 66 \end{array} \leftarrow \text{remainder}$$

## **P<sub>684</sub> 5113**

$$5113 \div 2 = 2556 \text{ remainder } 1$$

$$\begin{array}{r} 2556 \\ 2 \overline{) 5113} \\ \underline{5112} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 3 = 1704 \text{ remainder } 1$$

$$\begin{array}{r} 1704 \\ 3 \overline{) 5113} \\ \underline{5112} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 5 = 1022 \text{ remainder } 3$$

$$\begin{array}{r} 1022 \\ 5 \overline{) 5113} \\ \underline{5110} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 7 = 730 \text{ remainder } 3$$

$$\begin{array}{r} 730 \\ 7 \overline{) 5113} \\ \underline{5110} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 11 = 464 \text{ remainder } 9$$

$$\begin{array}{r} 464 \\ 11 \overline{) 5113} \\ \underline{5104} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 13 = 393 \text{ remainder } 4$$

$$\begin{array}{r} 393 \\ 13 \overline{) 5113} \\ \underline{5109} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 17 = 300 \text{ remainder } 13$$

$$\begin{array}{r} 300 \\ 17 \overline{) 5113} \\ \underline{5100} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 19 = 269 \text{ remainder } 2$$

$$\begin{array}{r} 269 \\ 19 \overline{) 5113} \\ \underline{5111} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 23 = 222 \text{ remainder } 7$$

$$\begin{array}{r} 222 \\ 23 \overline{) 5113} \\ \underline{5106} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 29 = 176 \text{ remainder } 9$$

$$\begin{array}{r} 176 \\ 29 \overline{) 5113} \\ \underline{5104} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 31 = 164 \text{ remainder } 29$$

$$\begin{array}{r} 164 \\ 31 \overline{) 5113} \end{array}$$

$$\begin{array}{r} 5084 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5113 \div 37 = 138 \text{ remainder } 7$$

$$\begin{array}{r} 138 \\ 37 \overline{) 5113} \\ \underline{5106} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5113 \div 41 = 124 \text{ remainder } 29$$

$$\begin{array}{r} 124 \\ 41 \overline{) 5113} \\ \underline{5084} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5113 \div 43 = 118 \text{ remainder } 39$$

$$\begin{array}{r} 118 \\ 43 \overline{) 5113} \\ \underline{5074} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$5113 \div 47 = 108 \text{ remainder } 37$$

$$\begin{array}{r} 108 \\ 47 \overline{) 5113} \\ \underline{5076} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$5113 \div 53 = 96 \text{ remainder } 25$$

$$\begin{array}{r} 96 \\ 53 \overline{) 5113} \\ \underline{5088} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$



$$5113 \div 59 = 86 \text{ remainder } 39$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5113} \\ \underline{5074} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 61 = 83 \text{ remainder } 50$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5113} \\ \underline{5063} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 67 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 67 \overline{) 5113} \\ \underline{5092} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5113 \div 71 = 72 \text{ remainder } 1$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5113} \\ \underline{5112} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>685</sub> 5119**

$$5119 \div 2 = 2559 \text{ remainder } 1$$

$$\begin{array}{r} 2559 \\ 2 \overline{) 5119} \\ \underline{5118} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 3 = 1706 \text{ remainder } 1$$

$$\begin{array}{r} 1706 \\ 3 \overline{) 5119} \\ \underline{5118} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 5 = 1023 \text{ remainder } 4$$

$$\begin{array}{r} 1023 \\ 5 \overline{) 5119} \\ \underline{5115} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 7 = 731 \text{ remainder } 2$$

$$\begin{array}{r} 731 \\ 7 \overline{) 5119} \\ \underline{5117} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 11 = 465 \text{ remainder } 4$$

$$\begin{array}{r} 465 \\ 11 \overline{) 5119} \\ \underline{5115} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 13 = 393 \text{ remainder } 10$$

$$\begin{array}{r} 393 \\ 13 \overline{) 5119} \\ \underline{5109} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 17 = 301 \text{ remainder } 2$$

$$\begin{array}{r} 301 \\ 17 \overline{) 5119} \\ \underline{5117} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 19 = 269 \text{ remainder } 8$$

$$\begin{array}{r} 269 \\ 19 \overline{) 5119} \\ \underline{5111} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 23 = 222 \text{ remainder } 13$$

$$\begin{array}{r} 222 \\ 23 \overline{) 5119} \\ \underline{5106} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 29 = 176 \text{ remainder } 15$$

$$\begin{array}{r} 176 \\ 29 \overline{) 5119} \\ \underline{5104} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 31 = 165 \text{ remainder } 4$$

$$\begin{array}{r} 165 \\ 31 \overline{) 5119} \end{array}$$

$$\begin{array}{r} 5115 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$5119 \div 37 = 138 \text{ remainder } 13$$

$$\begin{array}{r} 138 \\ 37 \overline{) 5119} \\ \underline{5106} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5119 \div 41 = 124 \text{ remainder } 35$$

$$\begin{array}{r} 124 \\ 41 \overline{) 5119} \\ \underline{5084} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$5119 \div 43 = 119 \text{ remainder } 2$$

$$\begin{array}{r} 119 \\ 43 \overline{) 5119} \\ \underline{5117} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5119 \div 47 = 108 \text{ remainder } 43$$

$$\begin{array}{r} 108 \\ 47 \overline{) 5119} \\ \underline{5076} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$5119 \div 53 = 96 \text{ remainder } 31$$

$$\begin{array}{r} 96 \\ 53 \overline{) 5119} \\ \underline{5088} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$5119 \div 59 = 86 \text{ remainder } 45$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5119} \\ \underline{5074} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 61 = 83 \text{ remainder } 56$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5119} \\ \underline{5063} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 67 = 76 \text{ remainder } 27$$

$$\begin{array}{r} 76 \\ 67 \overline{) 5119} \\ \underline{5092} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5119 \div 71 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5119} \\ \underline{5112} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>686</sub> 5147**

$$5147 \div 2 = 2573 \text{ remainder } 1$$

$$\begin{array}{r} 2573 \\ 2 \overline{) 5147} \\ \underline{5146} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 3 = 1715 \text{ remainder } 2$$

$$\begin{array}{r} 1715 \\ 3 \overline{) 5147} \\ \underline{5145} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 5 = 1029 \text{ remainder } 2$$

$$\begin{array}{r} 1029 \\ 5 \overline{) 5147} \\ \underline{5145} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 7 = 735 \text{ remainder } 2$$

$$\begin{array}{r} 735 \\ 7 \overline{) 5147} \\ \underline{5145} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 11 = 467 \text{ remainder } 10$$

$$\begin{array}{r} 467 \\ 11 \overline{) 5147} \\ \underline{5137} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 13 = 395 \text{ remainder } 12$$

$$\begin{array}{r} 395 \\ 13 \overline{) 5147} \\ \underline{5135} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 17 = 302 \text{ remainder } 13$$

$$\begin{array}{r} 302 \\ 17 \overline{) 5147} \\ \underline{5134} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 19 = 270 \text{ remainder } 17$$

$$\begin{array}{r} 270 \\ 19 \overline{) 5147} \\ \underline{5130} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 23 = 223 \text{ remainder } 18$$

$$\begin{array}{r} 223 \\ 23 \overline{) 5147} \\ \underline{5129} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 29 = 177 \text{ remainder } 14$$

$$\begin{array}{r} 177 \\ 29 \overline{) 5147} \\ \underline{5133} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 31 = 166 \text{ remainder } 1$$

$$\begin{array}{r} 166 \\ 31 \overline{) 5147} \end{array}$$

5146

----

1 ← remainder

$5147 \div 37 = 139 \text{ remainder } 4$

139  
37 |  $\overline{5147}$   
5143

----

4 ← remainder

$5147 \div 41 = 125 \text{ remainder } 22$

125  
41 |  $\overline{5147}$   
5125

----

22 ← remainder

$5147 \div 43 = 119 \text{ remainder } 30$

119  
43 |  $\overline{5147}$   
5117

----

30 ← remainder

$5147 \div 47 = 109 \text{ remainder } 24$

109  
47 |  $\overline{5147}$   
5123

----

24 ← remainder

$5147 \div 53 = 97 \text{ remainder } 6$

97  
53 |  $\overline{5147}$   
5141

----

6 ← remainder



$$5147 \div 59 = 87 \text{ remainder } 14$$

$$\begin{array}{r} 87 \\ 59 \overline{) 5147} \\ \underline{5133} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 61 = 84 \text{ remainder } 23$$

$$\begin{array}{r} 84 \\ 61 \overline{) 5147} \\ \underline{5124} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 67 = 76 \text{ remainder } 55$$

$$\begin{array}{r} 76 \\ 67 \overline{) 5147} \\ \underline{5092} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$5147 \div 71 = 72 \text{ remainder } 35$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5147} \\ \underline{5112} \\ 35 \end{array} \leftarrow \text{remainder}$$

## **P<sub>687</sub> 5153**

$$5153 \div 2 = 2576 \text{ remainder } 1$$

$$\begin{array}{r} 2576 \\ 2 \overline{) 5153} \\ \underline{5152} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 3 = 1717 \text{ remainder } 2$$

$$\begin{array}{r} 1717 \\ 3 \overline{) 5153} \\ \underline{5151} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 5 = 1030 \text{ remainder } 3$$

$$\begin{array}{r} 1030 \\ 5 \overline{) 5153} \\ \underline{5150} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 7 = 736 \text{ remainder } 1$$

$$\begin{array}{r} 736 \\ 7 \overline{) 5153} \\ \underline{5152} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 11 = 468 \text{ remainder } 5$$

$$\begin{array}{r} 468 \\ 11 \overline{) 5153} \\ \underline{5148} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 13 = 396 \text{ remainder } 5$$

$$\begin{array}{r} 396 \\ 13 \overline{) 5153} \\ \underline{5148} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 17 = 303 \text{ remainder } 2$$

$$\begin{array}{r} 303 \\ 17 \overline{) 5153} \\ \underline{5151} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 19 = 271 \text{ remainder } 4$$

$$\begin{array}{r} 271 \\ 19 \overline{) 5153} \\ \underline{5149} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 23 = 224 \text{ remainder } 1$$

$$\begin{array}{r} 224 \\ 23 \overline{) 5153} \\ \underline{5152} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 29 = 177 \text{ remainder } 20$$

$$\begin{array}{r} 177 \\ 29 \overline{) 5153} \\ \underline{5133} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 31 = 166 \text{ remainder } 7$$

$$\begin{array}{r} 166 \\ 31 \overline{) 5153} \end{array}$$

$$\begin{array}{r} 5146 \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5153 \div 37 = 139 \text{ remainder } 10$$

$$\begin{array}{r} 139 \\ 37 \overline{) 5153} \\ \underline{5143} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5153 \div 41 = 125 \text{ remainder } 28$$

$$\begin{array}{r} 125 \\ 41 \overline{) 5153} \\ \underline{5125} \phantom{00} \\ 28 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5153 \div 43 = 119 \text{ remainder } 36$$

$$\begin{array}{r} 119 \\ 43 \overline{) 5153} \\ \underline{5117} \phantom{00} \\ 36 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5153 \div 47 = 109 \text{ remainder } 30$$

$$\begin{array}{r} 109 \\ 47 \overline{) 5153} \\ \underline{5123} \phantom{00} \\ 30 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5153 \div 53 = 97 \text{ remainder } 12$$

$$\begin{array}{r} 97 \\ 53 \overline{) 5153} \\ \underline{5141} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5153 \div 59 = 87 \text{ remainder } 20$$

$$\begin{array}{r} 87 \\ 59 \overline{) 5153} \\ \underline{5133} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 61 = 84 \text{ remainder } 29$$

$$\begin{array}{r} 84 \\ 61 \overline{) 5153} \\ \underline{5124} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 67 = 76 \text{ remainder } 61$$

$$\begin{array}{r} 76 \\ 67 \overline{) 5153} \\ \underline{5092} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$5153 \div 71 = 72 \text{ remainder } 41$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5153} \\ \underline{5112} \\ 41 \end{array} \leftarrow \text{remainder}$$

## **P<sub>688</sub> 5167**

$$5167 \div 2 = 2583 \text{ remainder } 1$$

$$\begin{array}{r} 2583 \\ 2 \overline{) 5167} \\ \underline{5166} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 3 = 1722 \text{ remainder } 1$$

$$\begin{array}{r} 1722 \\ 3 \overline{) 5167} \\ \underline{5166} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 5 = 1033 \text{ remainder } 2$$

$$\begin{array}{r} 1033 \\ 5 \overline{) 5167} \\ \underline{5165} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 7 = 738 \text{ remainder } 1$$

$$\begin{array}{r} 738 \\ 7 \overline{) 5167} \\ \underline{5166} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 11 = 469 \text{ remainder } 8$$

$$\begin{array}{r} 469 \\ 11 \overline{) 5167} \\ \underline{5159} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 13 = 397 \text{ remainder } 6$$

$$\begin{array}{r} 397 \\ 13 \overline{) 5167} \\ \underline{5161} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 17 = 303 \text{ remainder } 16$$

$$\begin{array}{r} 303 \\ 17 \overline{) 5167} \\ \underline{5151} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 19 = 271 \text{ remainder } 18$$

$$\begin{array}{r} 271 \\ 19 \overline{) 5167} \\ \underline{5149} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 23 = 224 \text{ remainder } 15$$

$$\begin{array}{r} 224 \\ 23 \overline{) 5167} \\ \underline{5152} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 29 = 178 \text{ remainder } 5$$

$$\begin{array}{r} 178 \\ 29 \overline{) 5167} \\ \underline{5162} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 31 = 166 \text{ remainder } 21$$

$$\begin{array}{r} 166 \\ 31 \overline{) 5167} \end{array}$$

$$\begin{array}{r} 5146 \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$5167 \div 37 = 139 \text{ remainder } 24$$

$$\begin{array}{r} 139 \\ 37 \overline{) 5167} \\ \underline{5143} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5167 \div 41 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 41 \overline{) 5167} \\ \underline{5166} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5167 \div 43 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 43 \overline{) 5167} \\ \underline{5160} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5167 \div 47 = 109 \text{ remainder } 44$$

$$\begin{array}{r} 109 \\ 47 \overline{) 5167} \\ \underline{5123} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$5167 \div 53 = 97 \text{ remainder } 26$$

$$\begin{array}{r} 97 \\ 53 \overline{) 5167} \\ \underline{5141} \\ 26 \leftarrow \text{remainder} \end{array}$$



$$5167 \div 59 = 87 \text{ remainder } 34$$

$$\begin{array}{r} 87 \\ 59 \overline{) 5167} \\ \underline{5133} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 61 = 84 \text{ remainder } 43$$

$$\begin{array}{r} 84 \\ 61 \overline{) 5167} \\ \underline{5124} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 67 = 77 \text{ remainder } 8$$

$$\begin{array}{r} 77 \\ 67 \overline{) 5167} \\ \underline{5159} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5167 \div 71 = 72 \text{ remainder } 55$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5167} \\ \underline{5112} \\ 55 \end{array} \leftarrow \text{remainder}$$

## **P<sub>689</sub> 5171**

$$5171 \div 2 = 2585 \text{ remainder } 1$$

$$\begin{array}{r} 2585 \\ 2 \overline{) 5171} \\ \underline{5170} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 3 = 1723 \text{ remainder } 2$$

$$\begin{array}{r} 1723 \\ 3 \overline{) 5171} \\ \underline{5169} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 5 = 1034 \text{ remainder } 1$$

$$\begin{array}{r} 1034 \\ 5 \overline{) 5171} \\ \underline{5170} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 7 = 738 \text{ remainder } 5$$

$$\begin{array}{r} 738 \\ 7 \overline{) 5171} \\ \underline{5166} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 11 = 470 \text{ remainder } 1$$

$$\begin{array}{r} 470 \\ 11 \overline{) 5171} \\ \underline{5170} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 13 = 397 \text{ remainder } 10$$

$$\begin{array}{r} 397 \\ 13 \overline{) 5171} \\ \underline{5161} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 17 = 304 \text{ remainder } 3$$

$$\begin{array}{r} 304 \\ 17 \overline{) 5171} \\ \underline{5168} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 19 = 272 \text{ remainder } 3$$

$$\begin{array}{r} 272 \\ 19 \overline{) 5171} \\ \underline{5168} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 23 = 224 \text{ remainder } 19$$

$$\begin{array}{r} 224 \\ 23 \overline{) 5171} \\ \underline{5152} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 29 = 178 \text{ remainder } 9$$

$$\begin{array}{r} 178 \\ 29 \overline{) 5171} \\ \underline{5162} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 31 = 166 \text{ remainder } 25$$

$$\begin{array}{r} 166 \\ 31 \overline{) 5171} \end{array}$$

$$\begin{array}{r} 5146 \\ ---- \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5171 \div 37 = 139 \text{ remainder } 28$$

$$\begin{array}{r} 139 \\ 37 \overline{) 5171} \\ \underline{5143} \phantom{00} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5171 \div 41 = 126 \text{ remainder } 5$$

$$\begin{array}{r} 126 \\ 41 \overline{) 5171} \\ \underline{5166} \phantom{00} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5171 \div 43 = 120 \text{ remainder } 11$$

$$\begin{array}{r} 120 \\ 43 \overline{) 5171} \\ \underline{5160} \phantom{00} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5171 \div 47 = 110 \text{ remainder } 1$$

$$\begin{array}{r} 110 \\ 47 \overline{) 5171} \\ \underline{5170} \phantom{00} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5171 \div 53 = 97 \text{ remainder } 30$$

$$\begin{array}{r} 97 \\ 53 \overline{) 5171} \\ \underline{5141} \phantom{00} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5171 \div 59 = 87 \text{ remainder } 38$$

$$\begin{array}{r} 87 \\ 59 \overline{) 5171} \\ \underline{5133} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 61 = 84 \text{ remainder } 47$$

$$\begin{array}{r} 84 \\ 61 \overline{) 5171} \\ \underline{5124} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 67 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 67 \overline{) 5171} \\ \underline{5159} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5171 \div 71 = 72 \text{ remainder } 59$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5171} \\ \underline{5112} \\ 59 \end{array} \leftarrow \text{remainder}$$

## **P<sub>690</sub> 5179**

$$5179 \div 2 = 2589 \text{ remainder } 1$$

$$\begin{array}{r} 2589 \\ 2 \overline{) 5179} \\ \underline{5178} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 3 = 1726 \text{ remainder } 1$$

$$\begin{array}{r} 1726 \\ 3 \overline{) 5179} \\ \underline{5178} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 5 = 1035 \text{ remainder } 4$$

$$\begin{array}{r} 1035 \\ 5 \overline{) 5179} \\ \underline{5175} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 7 = 739 \text{ remainder } 6$$

$$\begin{array}{r} 739 \\ 7 \overline{) 5179} \\ \underline{5173} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 11 = 470 \text{ remainder } 9$$

$$\begin{array}{r} 470 \\ 11 \overline{) 5179} \\ \underline{5170} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 13 = 398 \text{ remainder } 5$$

$$\begin{array}{r} 398 \\ 13 \overline{) 5179} \\ \underline{5174} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 17 = 304 \text{ remainder } 11$$

$$\begin{array}{r} 304 \\ 17 \overline{) 5179} \\ \underline{5168} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 19 = 272 \text{ remainder } 11$$

$$\begin{array}{r} 272 \\ 19 \overline{) 5179} \\ \underline{5168} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 23 = 225 \text{ remainder } 4$$

$$\begin{array}{r} 225 \\ 23 \overline{) 5179} \\ \underline{5175} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 29 = 178 \text{ remainder } 17$$

$$\begin{array}{r} 178 \\ 29 \overline{) 5179} \\ \underline{5162} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 31 = 167 \text{ remainder } 2$$

$$\begin{array}{r} 167 \\ 31 \overline{) 5179} \end{array}$$

$$\begin{array}{r} 5177 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5179 \div 37 = 139 \text{ remainder } 36$$

$$\begin{array}{r} 139 \\ 37 \overline{) 5179} \\ \underline{5143} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$5179 \div 41 = 126 \text{ remainder } 13$$

$$\begin{array}{r} 126 \\ 41 \overline{) 5179} \\ \underline{5166} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5179 \div 43 = 120 \text{ remainder } 19$$

$$\begin{array}{r} 120 \\ 43 \overline{) 5179} \\ \underline{5160} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5179 \div 47 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 47 \overline{) 5179} \\ \underline{5170} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$5179 \div 53 = 97 \text{ remainder } 38$$

$$\begin{array}{r} 97 \\ 53 \overline{) 5179} \\ \underline{5141} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$



$$5179 \div 59 = 87 \text{ remainder } 46$$

$$\begin{array}{r} 87 \\ 59 \overline{) 5179} \\ \underline{5133} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 61 = 84 \text{ remainder } 55$$

$$\begin{array}{r} 84 \\ 61 \overline{) 5179} \\ \underline{5124} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 67 = 77 \text{ remainder } 20$$

$$\begin{array}{r} 77 \\ 67 \overline{) 5179} \\ \underline{5159} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5179 \div 71 = 72 \text{ remainder } 67$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5179} \\ \underline{5112} \\ 67 \end{array} \leftarrow \text{remainder}$$

## **P<sub>691</sub> 5189**

$$5189 \div 2 = 2594 \text{ remainder } 1$$

$$\begin{array}{r} 2594 \text{ ---} \\ 2 \mid \overline{5189} \\ \underline{5188} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 3 = 1729 \text{ remainder } 2$$

$$\begin{array}{r} 1729 \text{ ---} \\ 3 \mid \overline{5189} \\ \underline{5187} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 5 = 1037 \text{ remainder } 4$$

$$\begin{array}{r} 1037 \text{ ---} \\ 5 \mid \overline{5189} \\ \underline{5185} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 7 = 741 \text{ remainder } 2$$

$$\begin{array}{r} 741 \text{ ---} \\ 7 \mid \overline{5189} \\ \underline{5187} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 11 = 471 \text{ remainder } 8$$

$$\begin{array}{r} 471 \text{ ---} \\ 11 \mid \overline{5189} \\ \underline{5181} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 13 = 399 \text{ remainder } 2$$

$$\begin{array}{r} 399 \\ 13 \overline{) 5189} \\ \underline{5187} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5189 \div 17 = 305 \text{ remainder } 4$$

$$\begin{array}{r} 305 \\ 17 \overline{) 5189} \\ \underline{5185} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5189 \div 19 = 273 \text{ remainder } 2$$

$$\begin{array}{r} 273 \\ 19 \overline{) 5189} \\ \underline{5187} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5189 \div 23 = 225 \text{ remainder } 14$$

$$\begin{array}{r} 225 \\ 23 \overline{) 5189} \\ \underline{5175} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5189 \div 29 = 178 \text{ remainder } 27$$

$$\begin{array}{r} 178 \\ 29 \overline{) 5189} \\ \underline{5162} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5189 \div 31 = 167 \text{ remainder } 12$$

$$\begin{array}{r} 167 \\ 31 \overline{) 5189} \end{array}$$

$$\begin{array}{r} 5177 \\ ---- \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 37 = 140 \text{ remainder } 9$$

$$\begin{array}{r} 140 \\ 37 \overline{) 5189} \\ \underline{5180} \\ ---- \\ 9 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 41 = 126 \text{ remainder } 23$$

$$\begin{array}{r} 126 \\ 41 \overline{) 5189} \\ \underline{5166} \\ ---- \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 43 = 120 \text{ remainder } 29$$

$$\begin{array}{r} 120 \\ 43 \overline{) 5189} \\ \underline{5160} \\ ---- \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 47 = 110 \text{ remainder } 19$$

$$\begin{array}{r} 110 \\ 47 \overline{) 5189} \\ \underline{5170} \\ ---- \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 53 = 97 \text{ remainder } 48$$

$$\begin{array}{r} 97 \\ 53 \overline{) 5189} \\ \underline{5141} \\ ---- \\ 48 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 59 = 87 \text{ remainder } 56$$

$$\begin{array}{r} 87 \\ 59 \overline{) 5189} \\ \underline{5133} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$5189 \div 61 = 85 \text{ remainder } 4$$

$$\begin{array}{r} 85 \\ 61 \overline{) 5189} \\ \underline{5185} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5189 \div 67 = 77 \text{ remainder } 30$$

$$\begin{array}{r} 77 \\ 67 \overline{) 5189} \\ \underline{5159} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$5189 \div 71 = 73 \text{ remainder } 6$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5189} \\ \underline{5183} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>692</sub> 5197**

$$5197 \div 2 = 2598 \text{ remainder } 1$$

$$\begin{array}{r} 2598 \\ 2 \overline{) 5197} \\ \underline{5196} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 3 = 1732 \text{ remainder } 1$$

$$\begin{array}{r} 1732 \\ 3 \overline{) 5197} \\ \underline{5196} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 5 = 1039 \text{ remainder } 2$$

$$\begin{array}{r} 1039 \\ 5 \overline{) 5197} \\ \underline{5195} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 7 = 742 \text{ remainder } 3$$

$$\begin{array}{r} 742 \\ 7 \overline{) 5197} \\ \underline{5194} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 11 = 472 \text{ remainder } 5$$

$$\begin{array}{r} 472 \\ 11 \overline{) 5197} \\ \underline{5192} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 13 = 399 \text{ remainder } 10$$

$$\begin{array}{r} 399 \\ 13 \overline{) 5197} \\ \underline{5187} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 17 = 305 \text{ remainder } 12$$

$$\begin{array}{r} 305 \\ 17 \overline{) 5197} \\ \underline{5185} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 19 = 273 \text{ remainder } 10$$

$$\begin{array}{r} 273 \\ 19 \overline{) 5197} \\ \underline{5187} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 23 = 225 \text{ remainder } 22$$

$$\begin{array}{r} 225 \\ 23 \overline{) 5197} \\ \underline{5175} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 29 = 179 \text{ remainder } 6$$

$$\begin{array}{r} 179 \\ 29 \overline{) 5197} \\ \underline{5191} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 31 = 167 \text{ remainder } 20$$

$$\begin{array}{r} 167 \\ 31 \overline{) 5197} \end{array}$$

$$\begin{array}{r} 5177 \\ - 5157 \\ \hline 20 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 37 = 140 \text{ remainder } 17$$

$$\begin{array}{r} 140 \\ 37 \overline{) 5197} \\ \underline{5180} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 41 = 126 \text{ remainder } 31$$

$$\begin{array}{r} 126 \\ 41 \overline{) 5197} \\ \underline{5166} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 43 = 120 \text{ remainder } 37$$

$$\begin{array}{r} 120 \\ 43 \overline{) 5197} \\ \underline{5160} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 47 = 110 \text{ remainder } 27$$

$$\begin{array}{r} 110 \\ 47 \overline{) 5197} \\ \underline{5170} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 53 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 53 \overline{) 5197} \\ \underline{5194} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$5197 \div 59 = 88 \text{ remainder } 5$$

$$\begin{array}{r} 88 \\ 59 \overline{) 5197} \\ \underline{5192} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 61 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 61 \overline{) 5197} \\ \underline{5185} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 67 = 77 \text{ remainder } 38$$

$$\begin{array}{r} 77 \\ 67 \overline{) 5197} \\ \underline{5159} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$5197 \div 71 = 73 \text{ remainder } 14$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5197} \\ \underline{5183} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>693</sub> 5209**

$$5209 \div 2 = 2604 \text{ remainder } 1$$

$$\begin{array}{r} 2604 \\ 2 \overline{) 5209} \\ \underline{5208} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 3 = 1736 \text{ remainder } 1$$

$$\begin{array}{r} 1736 \\ 3 \overline{) 5209} \\ \underline{5208} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 5 = 1041 \text{ remainder } 4$$

$$\begin{array}{r} 1041 \\ 5 \overline{) 5209} \\ \underline{5205} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 7 = 744 \text{ remainder } 1$$

$$\begin{array}{r} 744 \\ 7 \overline{) 5209} \\ \underline{5208} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 11 = 473 \text{ remainder } 6$$

$$\begin{array}{r} 473 \\ 11 \overline{) 5209} \\ \underline{5203} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 13 = 400 \text{ remainder } 9$$

$$\begin{array}{r} 400 \\ 13 \overline{) 5209} \\ \underline{5200} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 17 = 306 \text{ remainder } 7$$

$$\begin{array}{r} 306 \\ 17 \overline{) 5209} \\ \underline{5202} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 19 = 274 \text{ remainder } 3$$

$$\begin{array}{r} 274 \\ 19 \overline{) 5209} \\ \underline{5206} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 23 = 226 \text{ remainder } 11$$

$$\begin{array}{r} 226 \\ 23 \overline{) 5209} \\ \underline{5198} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 29 = 179 \text{ remainder } 18$$

$$\begin{array}{r} 179 \\ 29 \overline{) 5209} \\ \underline{5191} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 31 = 168 \text{ remainder } 1$$

$$\begin{array}{r} 168 \\ 31 \overline{) 5209} \end{array}$$

5208

----

1 ← remainder

$$5209 \div 37 = 140 \text{ remainder } 29$$

$$\begin{array}{r} 140 \\ 37 \overline{) 5209} \\ \underline{5180} \end{array}$$

----

29 ← remainder

$$5209 \div 41 = 127 \text{ remainder } 2$$

$$\begin{array}{r} 127 \\ 41 \overline{) 5209} \\ \underline{5207} \end{array}$$

----

2 ← remainder

$$5209 \div 43 = 121 \text{ remainder } 6$$

$$\begin{array}{r} 121 \\ 43 \overline{) 5209} \\ \underline{5203} \end{array}$$

----

6 ← remainder

$$5209 \div 47 = 110 \text{ remainder } 39$$

$$\begin{array}{r} 110 \\ 47 \overline{) 5209} \\ \underline{5170} \end{array}$$

----

39 ← remainder

$$5209 \div 53 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 53 \overline{) 5209} \\ \underline{5194} \end{array}$$

----

15 ← remainder

$$5209 \div 59 = 88 \text{ remainder } 17$$

$$\begin{array}{r} 88 \\ 59 \overline{) 5209} \\ \underline{5192} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 61 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 61 \overline{) 5209} \\ \underline{5185} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 67 = 77 \text{ remainder } 50$$

$$\begin{array}{r} 77 \\ 67 \overline{) 5209} \\ \underline{5159} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$5209 \div 71 = 73 \text{ remainder } 26$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5209} \\ \underline{5183} \\ 26 \end{array} \leftarrow \text{remainder}$$

## **P<sub>694</sub> 5227**

$$5227 \div 2 = 2613 \text{ remainder } 1$$

$$\begin{array}{r} 2613 \\ 2 \overline{) 5227} \\ \underline{5226} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 3 = 1742 \text{ remainder } 1$$

$$\begin{array}{r} 1742 \\ 3 \overline{) 5227} \\ \underline{5226} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 5 = 1045 \text{ remainder } 2$$

$$\begin{array}{r} 1045 \\ 5 \overline{) 5227} \\ \underline{5225} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 7 = 746 \text{ remainder } 5$$

$$\begin{array}{r} 746 \\ 7 \overline{) 5227} \\ \underline{5222} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 11 = 475 \text{ remainder } 2$$

$$\begin{array}{r} 475 \\ 11 \overline{) 5227} \\ \underline{5225} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 13 = 402 \text{ remainder } 1$$

$$\begin{array}{r} 402 \\ 13 \overline{) 5227} \\ \underline{5226} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 17 = 307 \text{ remainder } 8$$

$$\begin{array}{r} 307 \\ 17 \overline{) 5227} \\ \underline{5219} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 19 = 275 \text{ remainder } 2$$

$$\begin{array}{r} 275 \\ 19 \overline{) 5227} \\ \underline{5225} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 23 = 227 \text{ remainder } 6$$

$$\begin{array}{r} 227 \\ 23 \overline{) 5227} \\ \underline{5221} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 29 = 180 \text{ remainder } 7$$

$$\begin{array}{r} 180 \\ 29 \overline{) 5227} \\ \underline{5220} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 31 = 168 \text{ remainder } 19$$

$$\begin{array}{r} 168 \\ 31 \overline{) 5227} \end{array}$$

5208

----

19 ← remainder

$$5227 \div 37 = 141 \text{ remainder } 10$$

$$\begin{array}{r} 141 \\ 37 \overline{) 5227} \\ \underline{5217} \end{array}$$

----

10 ← remainder

$$5227 \div 41 = 127 \text{ remainder } 20$$

$$\begin{array}{r} 127 \\ 41 \overline{) 5227} \\ \underline{5207} \end{array}$$

----

20 ← remainder

$$5227 \div 43 = 121 \text{ remainder } 24$$

$$\begin{array}{r} 121 \\ 43 \overline{) 5227} \\ \underline{5203} \end{array}$$

----

24 ← remainder

$$5227 \div 47 = 111 \text{ remainder } 10$$

$$\begin{array}{r} 111 \\ 47 \overline{) 5227} \\ \underline{5217} \end{array}$$

----

10 ← remainder

$$5227 \div 53 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 53 \overline{) 5227} \\ \underline{5194} \end{array}$$

----

33 ← remainder



$$5227 \div 59 = 88 \text{ remainder } 35$$

$$\begin{array}{r} 88 \\ 59 \overline{) 5227} \\ \underline{5192} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 61 = 85 \text{ remainder } 42$$

$$\begin{array}{r} 85 \\ 61 \overline{) 5227} \\ \underline{5185} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 67 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5227} \\ \underline{5226} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5227 \div 71 = 73 \text{ remainder } 44$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5227} \\ \underline{5183} \\ 44 \end{array} \leftarrow \text{remainder}$$

## **P<sub>695</sub> 5231**

$$5231 \div 2 = 2615 \text{ remainder } 1$$

$$\begin{array}{r} 2615 \\ 2 \overline{) 5231} \\ \underline{5230} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 3 = 1743 \text{ remainder } 2$$

$$\begin{array}{r} 1743 \\ 3 \overline{) 5231} \\ \underline{5229} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 5 = 1046 \text{ remainder } 1$$

$$\begin{array}{r} 1046 \\ 5 \overline{) 5231} \\ \underline{5230} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 7 = 747 \text{ remainder } 2$$

$$\begin{array}{r} 747 \\ 7 \overline{) 5231} \\ \underline{5229} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 11 = 475 \text{ remainder } 6$$

$$\begin{array}{r} 475 \\ 11 \overline{) 5231} \\ \underline{5225} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 13 = 402 \text{ remainder } 5$$

$$\begin{array}{r} 402 \\ 13 \overline{) 5231} \\ \underline{5226} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 17 = 307 \text{ remainder } 12$$

$$\begin{array}{r} 307 \\ 17 \overline{) 5231} \\ \underline{5219} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 19 = 275 \text{ remainder } 6$$

$$\begin{array}{r} 275 \\ 19 \overline{) 5231} \\ \underline{5225} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 23 = 227 \text{ remainder } 10$$

$$\begin{array}{r} 227 \\ 23 \overline{) 5231} \\ \underline{5221} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 29 = 180 \text{ remainder } 11$$

$$\begin{array}{r} 180 \\ 29 \overline{) 5231} \\ \underline{5220} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 31 = 168 \text{ remainder } 23$$

$$\begin{array}{r} 168 \\ 31 \overline{) 5231} \end{array}$$

$$\begin{array}{r} 5208 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5231 \div 37 = 141 \text{ remainder } 14$$

$$\begin{array}{r} 141 \\ 37 \overline{) 5231} \\ \underline{5217} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5231 \div 41 = 127 \text{ remainder } 24$$

$$\begin{array}{r} 127 \\ 41 \overline{) 5231} \\ \underline{5207} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5231 \div 43 = 121 \text{ remainder } 28$$

$$\begin{array}{r} 121 \\ 43 \overline{) 5231} \\ \underline{5203} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5231 \div 47 = 111 \text{ remainder } 14$$

$$\begin{array}{r} 111 \\ 47 \overline{) 5231} \\ \underline{5217} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5231 \div 53 = 98 \text{ remainder } 37$$

$$\begin{array}{r} 98 \\ 53 \overline{) 5231} \\ \underline{5194} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$5231 \div 59 = 88 \text{ remainder } 39$$

$$\begin{array}{r} 88 \\ 59 \overline{) 5231} \\ \underline{5192} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 61 = 85 \text{ remainder } 46$$

$$\begin{array}{r} 85 \\ 61 \overline{) 5231} \\ \underline{5185} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 67 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5231} \\ \underline{5226} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5231 \div 71 = 73 \text{ remainder } 48$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5231} \\ \underline{5183} \\ 48 \end{array} \leftarrow \text{remainder}$$

## **P<sub>696</sub> 5233**

$$5233 \div 2 = 2616 \text{ remainder } 1$$

$$\begin{array}{r} 2616 \\ 2 \overline{) 5233} \\ \underline{5232} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 3 = 1744 \text{ remainder } 1$$

$$\begin{array}{r} 1744 \\ 3 \overline{) 5233} \\ \underline{5232} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 5 = 1046 \text{ remainder } 3$$

$$\begin{array}{r} 1046 \\ 5 \overline{) 5233} \\ \underline{5230} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 7 = 747 \text{ remainder } 4$$

$$\begin{array}{r} 747 \\ 7 \overline{) 5233} \\ \underline{5229} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 11 = 475 \text{ remainder } 8$$

$$\begin{array}{r} 475 \\ 11 \overline{) 5233} \\ \underline{5225} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 13 = 402 \text{ remainder } 7$$

$$\begin{array}{r} 402 \\ 13 \overline{) 5233} \\ \underline{5226} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 17 = 307 \text{ remainder } 14$$

$$\begin{array}{r} 307 \\ 17 \overline{) 5233} \\ \underline{5219} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 19 = 275 \text{ remainder } 8$$

$$\begin{array}{r} 275 \\ 19 \overline{) 5233} \\ \underline{5225} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 23 = 227 \text{ remainder } 12$$

$$\begin{array}{r} 227 \\ 23 \overline{) 5233} \\ \underline{5221} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 29 = 180 \text{ remainder } 13$$

$$\begin{array}{r} 180 \\ 29 \overline{) 5233} \\ \underline{5220} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 31 = 168 \text{ remainder } 25$$

$$\begin{array}{r} 168 \\ 31 \overline{) 5233} \end{array}$$

$$\begin{array}{r} 5208 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5233 \div 37 = 141 \text{ remainder } 16$$

$$\begin{array}{r} 141 \\ 37 \overline{) 5233} \\ \underline{5217} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5233 \div 41 = 127 \text{ remainder } 26$$

$$\begin{array}{r} 127 \\ 41 \overline{) 5233} \\ \underline{5207} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$5233 \div 43 = 121 \text{ remainder } 30$$

$$\begin{array}{r} 121 \\ 43 \overline{) 5233} \\ \underline{5203} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5233 \div 47 = 111 \text{ remainder } 16$$

$$\begin{array}{r} 111 \\ 47 \overline{) 5233} \\ \underline{5217} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5233 \div 53 = 98 \text{ remainder } 39$$

$$\begin{array}{r} 98 \\ 53 \overline{) 5233} \\ \underline{5194} \\ 39 \leftarrow \text{remainder} \end{array}$$



$$5233 \div 59 = 88 \text{ remainder } 41$$

$$\begin{array}{r} 88 \\ 59 \overline{) 5233} \\ \underline{5192} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 61 = 85 \text{ remainder } 48$$

$$\begin{array}{r} 85 \\ 61 \overline{) 5233} \\ \underline{5185} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 67 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5233} \\ \underline{5226} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5233 \div 71 = 73 \text{ remainder } 50$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5233} \\ \underline{5183} \\ 50 \end{array} \leftarrow \text{remainder}$$

## **P<sub>697</sub> 5237**

$$5237 \div 2 = 2618 \text{ remainder } 1$$

$$\begin{array}{r} 2618 \\ 2 \overline{) 5237} \\ \underline{5236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 3 = 1745 \text{ remainder } 2$$

$$\begin{array}{r} 1745 \\ 3 \overline{) 5237} \\ \underline{5235} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 5 = 1047 \text{ remainder } 2$$

$$\begin{array}{r} 1047 \\ 5 \overline{) 5237} \\ \underline{5235} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 7 = 748 \text{ remainder } 1$$

$$\begin{array}{r} 748 \\ 7 \overline{) 5237} \\ \underline{5236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 11 = 476 \text{ remainder } 1$$

$$\begin{array}{r} 476 \\ 11 \overline{) 5237} \\ \underline{5236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 13 = 402 \text{ remainder } 11$$

$$\begin{array}{r} 402 \\ 13 \overline{) 5237} \\ \underline{5226} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 17 = 308 \text{ remainder } 1$$

$$\begin{array}{r} 308 \\ 17 \overline{) 5237} \\ \underline{5236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 19 = 275 \text{ remainder } 12$$

$$\begin{array}{r} 275 \\ 19 \overline{) 5237} \\ \underline{5225} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 23 = 227 \text{ remainder } 16$$

$$\begin{array}{r} 227 \\ 23 \overline{) 5237} \\ \underline{5221} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 29 = 180 \text{ remainder } 17$$

$$\begin{array}{r} 180 \\ 29 \overline{) 5237} \\ \underline{5220} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 31 = 168 \text{ remainder } 29$$

$$\begin{array}{r} 168 \\ 31 \overline{) 5237} \end{array}$$

$$\begin{array}{r} 5208 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5237 \div 37 = 141 \text{ remainder } 20$$

$$\begin{array}{r} 141 \\ 37 \overline{) 5237} \\ \underline{5217} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$5237 \div 41 = 127 \text{ remainder } 30$$

$$\begin{array}{r} 127 \\ 41 \overline{) 5237} \\ \underline{5207} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5237 \div 43 = 121 \text{ remainder } 34$$

$$\begin{array}{r} 121 \\ 43 \overline{) 5237} \\ \underline{5203} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$5237 \div 47 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 47 \overline{) 5237} \\ \underline{5217} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$5237 \div 53 = 98 \text{ remainder } 43$$

$$\begin{array}{r} 98 \\ 53 \overline{) 5237} \\ \underline{5194} \\ \text{----} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$5237 \div 59 = 88 \text{ remainder } 45$$

$$\begin{array}{r} 88 \\ 59 \overline{) 5237} \\ \underline{5192} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 61 = 85 \text{ remainder } 52$$

$$\begin{array}{r} 85 \\ 61 \overline{) 5237} \\ \underline{5185} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 67 = 78 \text{ remainder } 11$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5237} \\ \underline{5226} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5237 \div 71 = 73 \text{ remainder } 54$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5237} \\ \underline{5183} \\ 54 \end{array} \leftarrow \text{remainder}$$

## **P<sub>698</sub> 5261**

$$5261 \div 2 = 2630 \text{ remainder } 1$$

$$\begin{array}{r} 2630 \\ 2 \overline{) 5261} \\ \underline{5260} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 3 = 1753 \text{ remainder } 2$$

$$\begin{array}{r} 1753 \\ 3 \overline{) 5261} \\ \underline{5259} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 5 = 1052 \text{ remainder } 1$$

$$\begin{array}{r} 1052 \\ 5 \overline{) 5261} \\ \underline{5260} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 7 = 751 \text{ remainder } 4$$

$$\begin{array}{r} 751 \\ 7 \overline{) 5261} \\ \underline{5257} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 11 = 478 \text{ remainder } 3$$

$$\begin{array}{r} 478 \\ 11 \overline{) 5261} \\ \underline{5258} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 13 = 404 \text{ remainder } 9$$

$$\begin{array}{r} 404 \\ 13 \overline{) 5261} \\ \underline{5252} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 17 = 309 \text{ remainder } 8$$

$$\begin{array}{r} 309 \\ 17 \overline{) 5261} \\ \underline{5253} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 19 = 276 \text{ remainder } 17$$

$$\begin{array}{r} 276 \\ 19 \overline{) 5261} \\ \underline{5244} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 23 = 228 \text{ remainder } 17$$

$$\begin{array}{r} 228 \\ 23 \overline{) 5261} \\ \underline{5244} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 29 = 181 \text{ remainder } 12$$

$$\begin{array}{r} 181 \\ 29 \overline{) 5261} \\ \underline{5249} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 31 = 169 \text{ remainder } 22$$

$$\begin{array}{r} 169 \\ 31 \overline{) 5261} \end{array}$$

5239  
 ----  
 22 ← remainder

$$5261 \div 37 = 142 \text{ remainder } 7$$

142  
 37 | 5261  
 5254  
 ----  
 7 ← remainder

$$5261 \div 41 = 128 \text{ remainder } 13$$

128  
 41 | 5261  
 5248  
 ----  
 13 ← remainder

$$5261 \div 43 = 122 \text{ remainder } 15$$

122  
 43 | 5261  
 5246  
 ----  
 15 ← remainder

$$5261 \div 47 = 111 \text{ remainder } 44$$

111  
 47 | 5261  
 5217  
 ----  
 44 ← remainder

$$5261 \div 53 = 99 \text{ remainder } 14$$

99  
 53 | 5261  
 5247  
 ----  
 14 ← remainder



$$5261 \div 59 = 89 \text{ remainder } 10$$

$$\begin{array}{r} 89 \\ 59 \overline{) 5261} \\ \underline{5251} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 61 = 86 \text{ remainder } 15$$

$$\begin{array}{r} 86 \\ 61 \overline{) 5261} \\ \underline{5246} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 67 = 78 \text{ remainder } 35$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5261} \\ \underline{5226} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$5261 \div 71 = 74 \text{ remainder } 7$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5261} \\ \underline{5254} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>699</sub> 5273**

$$5273 \div 2 = 2636 \text{ remainder } 1$$

$$\begin{array}{r} 2636 \\ 2 \overline{) 5273} \\ \underline{5272} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 3 = 1757 \text{ remainder } 2$$

$$\begin{array}{r} 1757 \\ 3 \overline{) 5273} \\ \underline{5271} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 5 = 1054 \text{ remainder } 3$$

$$\begin{array}{r} 1054 \\ 5 \overline{) 5273} \\ \underline{5270} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 7 = 753 \text{ remainder } 2$$

$$\begin{array}{r} 753 \\ 7 \overline{) 5273} \\ \underline{5271} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 11 = 479 \text{ remainder } 4$$

$$\begin{array}{r} 479 \\ 11 \overline{) 5273} \\ \underline{5269} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 13 = 405 \text{ remainder } 8$$

$$\begin{array}{r} 405 \\ 13 \overline{) 5273} \\ \underline{5265} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 17 = 310 \text{ remainder } 3$$

$$\begin{array}{r} 310 \\ 17 \overline{) 5273} \\ \underline{5270} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 19 = 277 \text{ remainder } 10$$

$$\begin{array}{r} 277 \\ 19 \overline{) 5273} \\ \underline{5263} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 23 = 229 \text{ remainder } 6$$

$$\begin{array}{r} 229 \\ 23 \overline{) 5273} \\ \underline{5267} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 29 = 181 \text{ remainder } 24$$

$$\begin{array}{r} 181 \\ 29 \overline{) 5273} \\ \underline{5249} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 31 = 170 \text{ remainder } 3$$

$$\begin{array}{r} 170 \\ 31 \overline{) 5273} \end{array}$$

5270

----

3 ← remainder

$$5273 \div 37 = 142 \text{ remainder } 19$$

$$\begin{array}{r} 142 \\ 37 \overline{) 5273} \\ \underline{5254} \end{array}$$

----

19 ← remainder

$$5273 \div 41 = 128 \text{ remainder } 25$$

$$\begin{array}{r} 128 \\ 41 \overline{) 5273} \\ \underline{5248} \end{array}$$

----

25 ← remainder

$$5273 \div 43 = 122 \text{ remainder } 27$$

$$\begin{array}{r} 122 \\ 43 \overline{) 5273} \\ \underline{5246} \end{array}$$

----

27 ← remainder

$$5273 \div 47 = 112 \text{ remainder } 9$$

$$\begin{array}{r} 112 \\ 47 \overline{) 5273} \\ \underline{5264} \end{array}$$

----

9 ← remainder

$$5273 \div 53 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 53 \overline{) 5273} \\ \underline{5247} \end{array}$$

----

26 ← remainder

$$5273 \div 59 = 89 \text{ remainder } 22$$

$$\begin{array}{r} 89 \\ 59 \overline{) 5273} \\ \underline{5251} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 61 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 61 \overline{) 5273} \\ \underline{5246} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 67 = 78 \text{ remainder } 47$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5273} \\ \underline{5226} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$5273 \div 71 = 74 \text{ remainder } 19$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5273} \\ \underline{5254} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>700</sub> 5279**

$$5279 \div 2 = 2639 \text{ remainder } 1$$

$$\begin{array}{r} 2639 \\ 2 \overline{) 5279} \\ \underline{5278} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 3 = 1759 \text{ remainder } 2$$

$$\begin{array}{r} 1759 \\ 3 \overline{) 5279} \\ \underline{5277} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 5 = 1055 \text{ remainder } 4$$

$$\begin{array}{r} 1055 \\ 5 \overline{) 5279} \\ \underline{5275} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 7 = 754 \text{ remainder } 1$$

$$\begin{array}{r} 754 \\ 7 \overline{) 5279} \\ \underline{5278} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 11 = 479 \text{ remainder } 10$$

$$\begin{array}{r} 479 \\ 11 \overline{) 5279} \\ \underline{5269} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 13 = 406 \text{ remainder } 1$$

$$\begin{array}{r} 406 \\ 13 \overline{) 5279} \\ \underline{5278} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 17 = 310 \text{ remainder } 9$$

$$\begin{array}{r} 310 \\ 17 \overline{) 5279} \\ \underline{5270} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 19 = 277 \text{ remainder } 16$$

$$\begin{array}{r} 277 \\ 19 \overline{) 5279} \\ \underline{5263} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 23 = 229 \text{ remainder } 12$$

$$\begin{array}{r} 229 \\ 23 \overline{) 5279} \\ \underline{5267} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 29 = 182 \text{ remainder } 1$$

$$\begin{array}{r} 182 \\ 29 \overline{) 5279} \\ \underline{5278} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 31 = 170 \text{ remainder } 9$$

$$\begin{array}{r} 170 \\ 31 \overline{) 5279} \end{array}$$

5270

----

9 ← remainder

$5279 \div 37 = 142 \text{ remainder } 25$

142  
37 |  $\overline{5279}$   
5254

----

25 ← remainder

$5279 \div 41 = 128 \text{ remainder } 31$

128  
41 |  $\overline{5279}$   
5248

----

31 ← remainder

$5279 \div 43 = 122 \text{ remainder } 33$

122  
43 |  $\overline{5279}$   
5246

----

33 ← remainder

$5279 \div 47 = 112 \text{ remainder } 15$

112  
47 |  $\overline{5279}$   
5264

----

15 ← remainder

$5279 \div 53 = 99 \text{ remainder } 32$

99  
53 |  $\overline{5279}$   
5247

----

32 ← remainder



$$5279 \div 59 = 89 \text{ remainder } 28$$

$$\begin{array}{r} 89 \\ 59 \overline{) 5279} \\ \underline{5251} \phantom{00} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 61 = 86 \text{ remainder } 33$$

$$\begin{array}{r} 86 \\ 61 \overline{) 5279} \\ \underline{5246} \phantom{00} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 67 = 78 \text{ remainder } 53$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5279} \\ \underline{5226} \phantom{00} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$5279 \div 71 = 74 \text{ remainder } 25$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5279} \\ \underline{5254} \phantom{00} \\ 25 \end{array} \leftarrow \text{remainder}$$

## **P<sub>701</sub> 5281**

$$5281 \div 2 = 2640 \text{ remainder } 1$$

$$\begin{array}{r} 2640 \\ 2 \overline{) 5281} \\ \underline{5280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 3 = 1760 \text{ remainder } 1$$

$$\begin{array}{r} 1760 \\ 3 \overline{) 5281} \\ \underline{5280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 5 = 1056 \text{ remainder } 1$$

$$\begin{array}{r} 1056 \\ 5 \overline{) 5281} \\ \underline{5280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 7 = 754 \text{ remainder } 3$$

$$\begin{array}{r} 754 \\ 7 \overline{) 5281} \\ \underline{5278} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 11 = 480 \text{ remainder } 1$$

$$\begin{array}{r} 480 \\ 11 \overline{) 5281} \\ \underline{5280} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 13 = 406 \text{ remainder } 3$$

$$\begin{array}{r} 406 \\ 13 \overline{) 5281} \\ \underline{5278} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 17 = 310 \text{ remainder } 11$$

$$\begin{array}{r} 310 \\ 17 \overline{) 5281} \\ \underline{5270} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 19 = 277 \text{ remainder } 18$$

$$\begin{array}{r} 277 \\ 19 \overline{) 5281} \\ \underline{5263} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 23 = 229 \text{ remainder } 14$$

$$\begin{array}{r} 229 \\ 23 \overline{) 5281} \\ \underline{5267} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 29 = 182 \text{ remainder } 3$$

$$\begin{array}{r} 182 \\ 29 \overline{) 5281} \\ \underline{5278} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 31 = 170 \text{ remainder } 11$$

$$\begin{array}{r} 170 \\ 31 \overline{) 5281} \end{array}$$

$$\begin{array}{r} 5270 \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5281 \div 37 = 142 \text{ remainder } 27$$

$$\begin{array}{r} 142 \\ 37 \overline{) 5281} \\ \underline{5254} \phantom{00} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5281 \div 41 = 128 \text{ remainder } 33$$

$$\begin{array}{r} 128 \\ 41 \overline{) 5281} \\ \underline{5248} \phantom{00} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$5281 \div 43 = 122 \text{ remainder } 35$$

$$\begin{array}{r} 122 \\ 43 \overline{) 5281} \\ \underline{5246} \phantom{00} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$5281 \div 47 = 112 \text{ remainder } 17$$

$$\begin{array}{r} 112 \\ 47 \overline{) 5281} \\ \underline{5264} \phantom{00} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5281 \div 53 = 99 \text{ remainder } 34$$

$$\begin{array}{r} 99 \\ 53 \overline{) 5281} \\ \underline{5247} \phantom{00} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$5281 \div 59 = 89 \text{ remainder } 30$$

$$\begin{array}{r} 89 \\ 59 \overline{) 5281} \\ \underline{5251} \phantom{00} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 61 = 86 \text{ remainder } 35$$

$$\begin{array}{r} 86 \\ 61 \overline{) 5281} \\ \underline{5246} \phantom{00} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 67 = 78 \text{ remainder } 55$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5281} \\ \underline{5226} \phantom{00} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$5281 \div 71 = 74 \text{ remainder } 27$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5281} \\ \underline{5254} \phantom{00} \\ 27 \end{array} \leftarrow \text{remainder}$$

## **P<sub>702</sub> 5297**

$$5297 \div 2 = 2648 \text{ remainder } 1$$

$$\begin{array}{r} 2648 \\ 2 \overline{) 5297} \\ \underline{5296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 3 = 1765 \text{ remainder } 2$$

$$\begin{array}{r} 1765 \\ 3 \overline{) 5297} \\ \underline{5295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 5 = 1059 \text{ remainder } 2$$

$$\begin{array}{r} 1059 \\ 5 \overline{) 5297} \\ \underline{5295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 7 = 756 \text{ remainder } 5$$

$$\begin{array}{r} 756 \\ 7 \overline{) 5297} \\ \underline{5292} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 11 = 481 \text{ remainder } 6$$

$$\begin{array}{r} 481 \\ 11 \overline{) 5297} \\ \underline{5291} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 13 = 407 \text{ remainder } 6$$

$$\begin{array}{r} 407 \\ 13 \overline{) 5297} \\ \underline{5291} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 17 = 311 \text{ remainder } 10$$

$$\begin{array}{r} 311 \\ 17 \overline{) 5297} \\ \underline{5287} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 19 = 278 \text{ remainder } 15$$

$$\begin{array}{r} 278 \\ 19 \overline{) 5297} \\ \underline{5282} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 23 = 230 \text{ remainder } 7$$

$$\begin{array}{r} 230 \\ 23 \overline{) 5297} \\ \underline{5290} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 29 = 182 \text{ remainder } 19$$

$$\begin{array}{r} 182 \\ 29 \overline{) 5297} \\ \underline{5278} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 31 = 170 \text{ remainder } 27$$

$$\begin{array}{r} 170 \\ 31 \overline{) 5297} \end{array}$$

$$\begin{array}{r} 5270 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5297 \div 37 = 143 \text{ remainder } 6$$

$$\begin{array}{r} 143 \\ 37 \overline{) 5297} \\ \underline{5291} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5297 \div 41 = 129 \text{ remainder } 8$$

$$\begin{array}{r} 129 \\ 41 \overline{) 5297} \\ \underline{5289} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5297 \div 43 = 123 \text{ remainder } 8$$

$$\begin{array}{r} 123 \\ 43 \overline{) 5297} \\ \underline{5289} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5297 \div 47 = 112 \text{ remainder } 33$$

$$\begin{array}{r} 112 \\ 47 \overline{) 5297} \\ \underline{5264} \phantom{00} \\ 33 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5297 \div 53 = 99 \text{ remainder } 50$$

$$\begin{array}{r} 99 \\ 53 \overline{) 5297} \\ \underline{5247} \phantom{00} \\ 50 \phantom{00} \leftarrow \text{remainder} \end{array}$$



$$5297 \div 59 = 89 \text{ remainder } 46$$

$$\begin{array}{r} 89 \\ 59 \overline{) 5297} \\ \underline{5251} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 61 = 86 \text{ remainder } 51$$

$$\begin{array}{r} 86 \\ 61 \overline{) 5297} \\ \underline{5246} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 67 = 79 \text{ remainder } 4$$

$$\begin{array}{r} 79 \\ 67 \overline{) 5297} \\ \underline{5293} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5297 \div 71 = 74 \text{ remainder } 43$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5297} \\ \underline{5254} \\ 43 \end{array} \leftarrow \text{remainder}$$

## **P<sub>703</sub> 5303**

$$5303 \div 2 = 2651 \text{ remainder } 1$$

$$\begin{array}{r} 2651 \\ 2 \overline{) 5303} \\ \underline{5302} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 3 = 1767 \text{ remainder } 2$$

$$\begin{array}{r} 1767 \\ 3 \overline{) 5303} \\ \underline{5301} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 5 = 1060 \text{ remainder } 3$$

$$\begin{array}{r} 1060 \\ 5 \overline{) 5303} \\ \underline{5300} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 7 = 757 \text{ remainder } 4$$

$$\begin{array}{r} 757 \\ 7 \overline{) 5303} \\ \underline{5299} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 11 = 482 \text{ remainder } 1$$

$$\begin{array}{r} 482 \\ 11 \overline{) 5303} \\ \underline{5302} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 13 = 407 \text{ remainder } 12$$

$$\begin{array}{r} 407 \\ 13 \overline{) 5303} \\ \underline{5291} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 17 = 311 \text{ remainder } 16$$

$$\begin{array}{r} 311 \\ 17 \overline{) 5303} \\ \underline{5287} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 19 = 279 \text{ remainder } 2$$

$$\begin{array}{r} 279 \\ 19 \overline{) 5303} \\ \underline{5301} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 23 = 230 \text{ remainder } 13$$

$$\begin{array}{r} 230 \\ 23 \overline{) 5303} \\ \underline{5290} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 29 = 182 \text{ remainder } 25$$

$$\begin{array}{r} 182 \\ 29 \overline{) 5303} \\ \underline{5278} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5303 \div 31 = 171 \text{ remainder } 2$$

$$\begin{array}{r} 171 \\ 31 \overline{) 5303} \end{array}$$

$$\begin{array}{r} 5301 \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5303 \div 37 = 143 \text{ remainder } 12$$

$$\begin{array}{r} 143 \\ 37 \overline{) 5303} \\ \underline{5291} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5303 \div 41 = 129 \text{ remainder } 14$$

$$\begin{array}{r} 129 \\ 41 \overline{) 5303} \\ \underline{5289} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5303 \div 43 = 123 \text{ remainder } 14$$

$$\begin{array}{r} 123 \\ 43 \overline{) 5303} \\ \underline{5289} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5303 \div 47 = 112 \text{ remainder } 39$$

$$\begin{array}{r} 112 \\ 47 \overline{) 5303} \\ \underline{5264} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$5303 \div 53 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 53 \overline{) 5303} \\ \underline{5300} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5303 \div 59 = 89 \text{ remainder } 52$$

$$\begin{array}{r} 89 \\ 59 \overline{) 5303} \\ \underline{5251} \phantom{00} \\ 52 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5303 \div 61 = 86 \text{ remainder } 57$$

$$\begin{array}{r} 86 \\ 61 \overline{) 5303} \\ \underline{5246} \phantom{00} \\ 57 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5303 \div 67 = 79 \text{ remainder } 10$$

$$\begin{array}{r} 79 \\ 67 \overline{) 5303} \\ \underline{5293} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5303 \div 71 = 74 \text{ remainder } 49$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5303} \\ \underline{5254} \phantom{00} \\ 49 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>704</sub> 5309**

$$5309 \div 2 = 2654 \text{ remainder } 1$$

$$\begin{array}{r} 2654 \\ 2 \overline{) 5309} \\ \underline{5308} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 3 = 1769 \text{ remainder } 2$$

$$\begin{array}{r} 1769 \\ 3 \overline{) 5309} \\ \underline{5307} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 5 = 1061 \text{ remainder } 4$$

$$\begin{array}{r} 1061 \\ 5 \overline{) 5309} \\ \underline{5305} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 7 = 758 \text{ remainder } 3$$

$$\begin{array}{r} 758 \\ 7 \overline{) 5309} \\ \underline{5306} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 11 = 482 \text{ remainder } 7$$

$$\begin{array}{r} 482 \\ 11 \overline{) 5309} \\ \underline{5302} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 13 = 408 \text{ remainder } 5$$

$$\begin{array}{r} 408 \\ 13 \overline{) 5309} \\ \underline{5304} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 17 = 312 \text{ remainder } 5$$

$$\begin{array}{r} 312 \\ 17 \overline{) 5309} \\ \underline{5304} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 19 = 279 \text{ remainder } 8$$

$$\begin{array}{r} 279 \\ 19 \overline{) 5309} \\ \underline{5301} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 23 = 230 \text{ remainder } 19$$

$$\begin{array}{r} 230 \\ 23 \overline{) 5309} \\ \underline{5290} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 29 = 183 \text{ remainder } 2$$

$$\begin{array}{r} 183 \\ 29 \overline{) 5309} \\ \underline{5307} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 31 = 171 \text{ remainder } 8$$

$$\begin{array}{r} 171 \\ 31 \overline{) 5309} \end{array}$$

5301

----

8 ← remainder

$$5309 \div 37 = 143 \text{ remainder } 18$$

$$\begin{array}{r} 143 \\ 37 \overline{) 5309} \\ \underline{5291} \end{array}$$

----

18 ← remainder

$$5309 \div 41 = 129 \text{ remainder } 20$$

$$\begin{array}{r} 129 \\ 41 \overline{) 5309} \\ \underline{5289} \end{array}$$

----

20 ← remainder

$$5309 \div 43 = 123 \text{ remainder } 20$$

$$\begin{array}{r} 123 \\ 43 \overline{) 5309} \\ \underline{5289} \end{array}$$

----

20 ← remainder

$$5309 \div 47 = 112 \text{ remainder } 45$$

$$\begin{array}{r} 112 \\ 47 \overline{) 5309} \\ \underline{5264} \end{array}$$

----

45 ← remainder

$$5309 \div 53 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 53 \overline{) 5309} \\ \underline{5300} \end{array}$$

----

9 ← remainder



$$5309 \div 59 = 89 \text{ remainder } 58$$

$$\begin{array}{r} 89 \\ 59 \overline{) 5309} \\ \underline{5251} \phantom{00} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 61 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 61 \overline{) 5309} \\ \underline{5307} \phantom{00} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 67 = 79 \text{ remainder } 16$$

$$\begin{array}{r} 79 \\ 67 \overline{) 5309} \\ \underline{5293} \phantom{00} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5309 \div 71 = 74 \text{ remainder } 55$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5309} \\ \underline{5254} \phantom{00} \\ 55 \end{array} \leftarrow \text{remainder}$$

## **P<sub>705</sub> 5323**

$$5323 \div 2 = 2661 \text{ remainder } 1$$

$$\begin{array}{r} 2661 \\ 2 \overline{) 5323} \\ \underline{5322} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 3 = 1774 \text{ remainder } 1$$

$$\begin{array}{r} 1774 \\ 3 \overline{) 5323} \\ \underline{5322} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 5 = 1064 \text{ remainder } 3$$

$$\begin{array}{r} 1064 \\ 5 \overline{) 5323} \\ \underline{5320} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 7 = 760 \text{ remainder } 3$$

$$\begin{array}{r} 760 \\ 7 \overline{) 5323} \\ \underline{5320} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 11 = 483 \text{ remainder } 10$$

$$\begin{array}{r} 483 \\ 11 \overline{) 5323} \\ \underline{5313} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 13 = 409 \text{ remainder } 6$$

$$\begin{array}{r} 409 \\ 13 \overline{) 5323} \\ \underline{5317} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 17 = 313 \text{ remainder } 2$$

$$\begin{array}{r} 313 \\ 17 \overline{) 5323} \\ \underline{5321} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 19 = 280 \text{ remainder } 3$$

$$\begin{array}{r} 280 \\ 19 \overline{) 5323} \\ \underline{5320} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 23 = 231 \text{ remainder } 10$$

$$\begin{array}{r} 231 \\ 23 \overline{) 5323} \\ \underline{5313} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 29 = 183 \text{ remainder } 16$$

$$\begin{array}{r} 183 \\ 29 \overline{) 5323} \\ \underline{5307} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 31 = 171 \text{ remainder } 22$$

$$\begin{array}{r} 171 \\ 31 \overline{) 5323} \end{array}$$

$$\begin{array}{r} 5301 \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 37 = 143 \text{ remainder } 32$$

$$\begin{array}{r} 143 \\ 37 \overline{) 5323} \\ \underline{5291} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 41 = 129 \text{ remainder } 34$$

$$\begin{array}{r} 129 \\ 41 \overline{) 5323} \\ \underline{5289} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 43 = 123 \text{ remainder } 34$$

$$\begin{array}{r} 123 \\ 43 \overline{) 5323} \\ \underline{5289} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 47 = 113 \text{ remainder } 12$$

$$\begin{array}{r} 113 \\ 47 \overline{) 5323} \\ \underline{5311} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 53 = 100 \text{ remainder } 23$$

$$\begin{array}{r} 100 \\ 53 \overline{) 5323} \\ \underline{5300} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 59 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 59 \overline{) 5323} \\ \underline{5310} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 61 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 61 \overline{) 5323} \\ \underline{5307} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 67 = 79 \text{ remainder } 30$$

$$\begin{array}{r} 79 \\ 67 \overline{) 5323} \\ \underline{5293} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$5323 \div 71 = 74 \text{ remainder } 69$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5323} \\ \underline{5254} \\ 69 \end{array} \leftarrow \text{remainder}$$

## **P<sub>706</sub> 5333**

$$5333 \div 2 = 2666 \text{ remainder } 1$$

$$\begin{array}{r} 2666 \\ 2 \overline{) 5333} \\ \underline{5332} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 3 = 1777 \text{ remainder } 2$$

$$\begin{array}{r} 1777 \\ 3 \overline{) 5333} \\ \underline{5331} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 5 = 1066 \text{ remainder } 3$$

$$\begin{array}{r} 1066 \\ 5 \overline{) 5333} \\ \underline{5330} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 7 = 761 \text{ remainder } 6$$

$$\begin{array}{r} 761 \\ 7 \overline{) 5333} \\ \underline{5327} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 11 = 484 \text{ remainder } 9$$

$$\begin{array}{r} 484 \\ 11 \overline{) 5333} \\ \underline{5324} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 13 = 410 \text{ remainder } 3$$

$$\begin{array}{r} 410 \\ 13 \overline{) 5333} \\ \underline{5330} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 17 = 313 \text{ remainder } 12$$

$$\begin{array}{r} 313 \\ 17 \overline{) 5333} \\ \underline{5321} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 19 = 280 \text{ remainder } 13$$

$$\begin{array}{r} 280 \\ 19 \overline{) 5333} \\ \underline{5320} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 23 = 231 \text{ remainder } 20$$

$$\begin{array}{r} 231 \\ 23 \overline{) 5333} \\ \underline{5313} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 29 = 183 \text{ remainder } 26$$

$$\begin{array}{r} 183 \\ 29 \overline{) 5333} \\ \underline{5307} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 31 = 172 \text{ remainder } 1$$

$$\begin{array}{r} 172 \\ 31 \overline{) 5333} \end{array}$$

5332

----

1 ← remainder

$$5333 \div 37 = 144 \text{ remainder } 5$$

$$\begin{array}{r} 144 \\ 37 \overline{) 5333} \\ \underline{5328} \end{array}$$

----

5 ← remainder

$$5333 \div 41 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 41 \overline{) 5333} \\ \underline{5330} \end{array}$$

----

3 ← remainder

$$5333 \div 43 = 124 \text{ remainder } 1$$

$$\begin{array}{r} 124 \\ 43 \overline{) 5333} \\ \underline{5332} \end{array}$$

----

1 ← remainder

$$5333 \div 47 = 113 \text{ remainder } 22$$

$$\begin{array}{r} 113 \\ 47 \overline{) 5333} \\ \underline{5311} \end{array}$$

----

22 ← remainder

$$5333 \div 53 = 100 \text{ remainder } 33$$

$$\begin{array}{r} 100 \\ 53 \overline{) 5333} \\ \underline{5300} \end{array}$$

----

33 ← remainder



$$5333 \div 59 = 90 \text{ remainder } 23$$

$$\begin{array}{r} 90 \\ 59 \overline{) 5333} \\ \underline{5310} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 61 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 61 \overline{) 5333} \\ \underline{5307} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 67 = 79 \text{ remainder } 40$$

$$\begin{array}{r} 79 \\ 67 \overline{) 5333} \\ \underline{5293} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 71 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 71 \overline{) 5333} \\ \underline{5325} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5333 \div 73 = 73 \text{ remainder } 4$$

$$\begin{array}{r} 73 \\ 73 \overline{) 5333} \\ \underline{5329} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>707</sub> 5347**

$$5347 \div 2 = 2673 \text{ remainder } 1$$

$$\begin{array}{r} 2673 \\ 2 \overline{) 5347} \\ \underline{5346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 3 = 1782 \text{ remainder } 1$$

$$\begin{array}{r} 1782 \\ 3 \overline{) 5347} \\ \underline{5346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 5 = 1069 \text{ remainder } 2$$

$$\begin{array}{r} 1069 \\ 5 \overline{) 5347} \\ \underline{5345} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 7 = 763 \text{ remainder } 6$$

$$\begin{array}{r} 763 \\ 7 \overline{) 5347} \\ \underline{5341} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 11 = 486 \text{ remainder } 1$$

$$\begin{array}{r} 486 \\ 11 \overline{) 5347} \\ \underline{5346} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 13 = 411 \text{ remainder } 4$$

$$\begin{array}{r} 411 \\ 13 \overline{) 5347} \\ \underline{5343} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 17 = 314 \text{ remainder } 9$$

$$\begin{array}{r} 314 \\ 17 \overline{) 5347} \\ \underline{5338} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 19 = 281 \text{ remainder } 8$$

$$\begin{array}{r} 281 \\ 19 \overline{) 5347} \\ \underline{5339} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 23 = 232 \text{ remainder } 11$$

$$\begin{array}{r} 232 \\ 23 \overline{) 5347} \\ \underline{5336} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 29 = 184 \text{ remainder } 11$$

$$\begin{array}{r} 184 \\ 29 \overline{) 5347} \\ \underline{5336} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 31 = 172 \text{ remainder } 15$$

$$\begin{array}{r} 172 \\ 31 \overline{) 5347} \end{array}$$

$$\begin{array}{r} 5332 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5347 \div 37 = 144 \text{ remainder } 19$$

$$\begin{array}{r} 144 \\ 37 \overline{) 5347} \\ \underline{5328} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5347 \div 41 = 130 \text{ remainder } 17$$

$$\begin{array}{r} 130 \\ 41 \overline{) 5347} \\ \underline{5330} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5347 \div 43 = 124 \text{ remainder } 15$$

$$\begin{array}{r} 124 \\ 43 \overline{) 5347} \\ \underline{5332} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5347 \div 47 = 113 \text{ remainder } 36$$

$$\begin{array}{r} 113 \\ 47 \overline{) 5347} \\ \underline{5311} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$5347 \div 53 = 100 \text{ remainder } 47$$

$$\begin{array}{r} 100 \\ 53 \overline{) 5347} \\ \underline{5300} \\ \text{----} \\ 47 \leftarrow \text{remainder} \end{array}$$

$$5347 \div 59 = 90 \text{ remainder } 37$$

$$\begin{array}{r} 90 \\ 59 \overline{) 5347} \\ \underline{5310} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 61 = 87 \text{ remainder } 40$$

$$\begin{array}{r} 87 \\ 61 \overline{) 5347} \\ \underline{5307} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 67 = 79 \text{ remainder } 54$$

$$\begin{array}{r} 79 \\ 67 \overline{) 5347} \\ \underline{5293} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 71 = 75 \text{ remainder } 22$$

$$\begin{array}{r} 75 \\ 71 \overline{) 5347} \\ \underline{5325} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5347 \div 73 = 73 \text{ remainder } 18$$

$$\begin{array}{r} 73 \\ 73 \overline{) 5347} \\ \underline{5329} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>708</sub> 5351**

$$5351 \div 2 = 2675 \text{ remainder } 1$$

$$\begin{array}{r} 2675 \\ 2 \overline{) 5351} \\ \underline{5350} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 3 = 1783 \text{ remainder } 2$$

$$\begin{array}{r} 1783 \\ 3 \overline{) 5351} \\ \underline{5349} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 5 = 1070 \text{ remainder } 1$$

$$\begin{array}{r} 1070 \\ 5 \overline{) 5351} \\ \underline{5350} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 7 = 764 \text{ remainder } 3$$

$$\begin{array}{r} 764 \\ 7 \overline{) 5351} \\ \underline{5348} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 11 = 486 \text{ remainder } 5$$

$$\begin{array}{r} 486 \\ 11 \overline{) 5351} \\ \underline{5346} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 13 = 411 \text{ remainder } 8$$

$$\begin{array}{r} 411 \\ 13 \overline{) 5351} \\ \underline{5343} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 17 = 314 \text{ remainder } 13$$

$$\begin{array}{r} 314 \\ 17 \overline{) 5351} \\ \underline{5338} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 19 = 281 \text{ remainder } 12$$

$$\begin{array}{r} 281 \\ 19 \overline{) 5351} \\ \underline{5339} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 23 = 232 \text{ remainder } 15$$

$$\begin{array}{r} 232 \\ 23 \overline{) 5351} \\ \underline{5336} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 29 = 184 \text{ remainder } 15$$

$$\begin{array}{r} 184 \\ 29 \overline{) 5351} \\ \underline{5336} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 31 = 172 \text{ remainder } 19$$

$$\begin{array}{r} 172 \\ 31 \overline{) 5351} \end{array}$$

$$\begin{array}{r} 5332 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5351 \div 37 = 144 \text{ remainder } 23$$

$$\begin{array}{r} 144 \\ 37 \overline{) 5351} \\ \underline{5328} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5351 \div 41 = 130 \text{ remainder } 21$$

$$\begin{array}{r} 130 \\ 41 \overline{) 5351} \\ \underline{5330} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$5351 \div 43 = 124 \text{ remainder } 19$$

$$\begin{array}{r} 124 \\ 43 \overline{) 5351} \\ \underline{5332} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5351 \div 47 = 113 \text{ remainder } 40$$

$$\begin{array}{r} 113 \\ 47 \overline{) 5351} \\ \underline{5311} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$5351 \div 53 = 100 \text{ remainder } 51$$

$$\begin{array}{r} 100 \\ 53 \overline{) 5351} \\ \underline{5300} \\ \text{----} \\ 51 \leftarrow \text{remainder} \end{array}$$



$$5351 \div 59 = 90 \text{ remainder } 41$$

$$\begin{array}{r} 90 \\ 59 \overline{) 5351} \\ \underline{5310} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 61 = 87 \text{ remainder } 44$$

$$\begin{array}{r} 87 \\ 61 \overline{) 5351} \\ \underline{5307} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 67 = 79 \text{ remainder } 58$$

$$\begin{array}{r} 79 \\ 67 \overline{) 5351} \\ \underline{5293} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 71 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 71 \overline{) 5351} \\ \underline{5325} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5351 \div 73 = 73 \text{ remainder } 22$$

$$\begin{array}{r} 73 \\ 73 \overline{) 5351} \\ \underline{5329} \\ 22 \end{array} \leftarrow \text{remainder}$$

## **P<sub>709</sub> 5381**

$$5381 \div 2 = 2690 \text{ remainder } 1$$

$$\begin{array}{r} 2690 \\ 2 \overline{) 5381} \\ \underline{5380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 3 = 1793 \text{ remainder } 2$$

$$\begin{array}{r} 1793 \\ 3 \overline{) 5381} \\ \underline{5379} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 5 = 1076 \text{ remainder } 1$$

$$\begin{array}{r} 1076 \\ 5 \overline{) 5381} \\ \underline{5380} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 7 = 768 \text{ remainder } 5$$

$$\begin{array}{r} 768 \\ 7 \overline{) 5381} \\ \underline{5376} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 11 = 489 \text{ remainder } 2$$

$$\begin{array}{r} 489 \\ 11 \overline{) 5381} \\ \underline{5379} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 13 = 413 \text{ remainder } 12$$

$$\begin{array}{r} 413 \\ 13 \overline{) 5381} \\ \underline{5369} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 17 = 316 \text{ remainder } 9$$

$$\begin{array}{r} 316 \\ 17 \overline{) 5381} \\ \underline{5372} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 19 = 283 \text{ remainder } 4$$

$$\begin{array}{r} 283 \\ 19 \overline{) 5381} \\ \underline{5377} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 23 = 233 \text{ remainder } 22$$

$$\begin{array}{r} 233 \\ 23 \overline{) 5381} \\ \underline{5359} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 29 = 185 \text{ remainder } 16$$

$$\begin{array}{r} 185 \\ 29 \overline{) 5381} \\ \underline{5365} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 31 = 173 \text{ remainder } 18$$

$$\begin{array}{r} 173 \\ 31 \overline{) 5381} \end{array}$$

$$\begin{array}{r} 5363 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5381 \div 37 = 145 \text{ remainder } 16$$

$$\begin{array}{r} 145 \\ 37 \overline{) 5381} \\ \underline{5365} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5381 \div 41 = 131 \text{ remainder } 10$$

$$\begin{array}{r} 131 \\ 41 \overline{) 5381} \\ \underline{5371} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$5381 \div 43 = 125 \text{ remainder } 6$$

$$\begin{array}{r} 125 \\ 43 \overline{) 5381} \\ \underline{5375} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5381 \div 47 = 114 \text{ remainder } 23$$

$$\begin{array}{r} 114 \\ 47 \overline{) 5381} \\ \underline{5358} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5381 \div 53 = 101 \text{ remainder } 28$$

$$\begin{array}{r} 101 \\ 53 \overline{) 5381} \\ \underline{5353} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5381 \div 59 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5381} \\ \underline{5369} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 61 = 88 \text{ remainder } 13$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5381} \\ \underline{5368} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 67 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5381} \\ \underline{5360} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 71 = 75 \text{ remainder } 56$$

$$\begin{array}{r} 75 \\ 71 \overline{) 5381} \\ \underline{5325} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$5381 \div 73 = 73 \text{ remainder } 52$$

$$\begin{array}{r} 73 \\ 73 \overline{) 5381} \\ \underline{5329} \\ 52 \end{array} \leftarrow \text{remainder}$$

## **P<sub>710</sub> 5387**

$$5387 \div 2 = 2693 \text{ remainder } 1$$

$$\begin{array}{r} 2693 \\ 2 \overline{) 5387} \\ \underline{5386} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 3 = 1795 \text{ remainder } 2$$

$$\begin{array}{r} 1795 \\ 3 \overline{) 5387} \\ \underline{5385} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 5 = 1077 \text{ remainder } 2$$

$$\begin{array}{r} 1077 \\ 5 \overline{) 5387} \\ \underline{5385} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 7 = 769 \text{ remainder } 4$$

$$\begin{array}{r} 769 \\ 7 \overline{) 5387} \\ \underline{5383} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 11 = 489 \text{ remainder } 8$$

$$\begin{array}{r} 489 \\ 11 \overline{) 5387} \\ \underline{5379} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 13 = 414 \text{ remainder } 5$$

$$\begin{array}{r} 414 \\ 13 \overline{) 5387} \\ \underline{5382} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 17 = 316 \text{ remainder } 15$$

$$\begin{array}{r} 316 \\ 17 \overline{) 5387} \\ \underline{5372} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 19 = 283 \text{ remainder } 10$$

$$\begin{array}{r} 283 \\ 19 \overline{) 5387} \\ \underline{5377} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 23 = 234 \text{ remainder } 5$$

$$\begin{array}{r} 234 \\ 23 \overline{) 5387} \\ \underline{5382} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 29 = 185 \text{ remainder } 22$$

$$\begin{array}{r} 185 \\ 29 \overline{) 5387} \\ \underline{5365} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 31 = 173 \text{ remainder } 24$$

$$\begin{array}{r} 173 \\ 31 \overline{) 5387} \end{array}$$

$$\begin{array}{r} 5363 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5387 \div 37 = 145 \text{ remainder } 22$$

$$\begin{array}{r} 145 \\ 37 \overline{) 5387} \\ \underline{5365} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$5387 \div 41 = 131 \text{ remainder } 16$$

$$\begin{array}{r} 131 \\ 41 \overline{) 5387} \\ \underline{5371} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5387 \div 43 = 125 \text{ remainder } 12$$

$$\begin{array}{r} 125 \\ 43 \overline{) 5387} \\ \underline{5375} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5387 \div 47 = 114 \text{ remainder } 29$$

$$\begin{array}{r} 114 \\ 47 \overline{) 5387} \\ \underline{5358} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5387 \div 53 = 101 \text{ remainder } 34$$

$$\begin{array}{r} 101 \\ 53 \overline{) 5387} \\ \underline{5353} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$



$$5387 \div 59 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5387} \\ \underline{5369} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 61 = 88 \text{ remainder } 19$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5387} \\ \underline{5368} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 67 = 80 \text{ remainder } 27$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5387} \\ \underline{5360} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 71 = 75 \text{ remainder } 62$$

$$\begin{array}{r} 75 \\ 71 \overline{) 5387} \\ \underline{5325} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$5387 \div 73 = 73 \text{ remainder } 58$$

$$\begin{array}{r} 73 \\ 73 \overline{) 5387} \\ \underline{5329} \\ 58 \end{array} \leftarrow \text{remainder}$$

## **P<sub>711</sub> 5393**

$$5393 \div 2 = 2696 \text{ remainder } 1$$

$$\begin{array}{r} 2696 \\ 2 \overline{) 5393} \\ \underline{5392} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 3 = 1797 \text{ remainder } 2$$

$$\begin{array}{r} 1797 \\ 3 \overline{) 5393} \\ \underline{5391} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 5 = 1078 \text{ remainder } 3$$

$$\begin{array}{r} 1078 \\ 5 \overline{) 5393} \\ \underline{5390} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 7 = 770 \text{ remainder } 3$$

$$\begin{array}{r} 770 \\ 7 \overline{) 5393} \\ \underline{5390} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 11 = 490 \text{ remainder } 3$$

$$\begin{array}{r} 490 \\ 11 \overline{) 5393} \\ \underline{5390} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 13 = 414 \text{ remainder } 11$$

$$\begin{array}{r} 414 \\ 13 \overline{) 5393} \\ \underline{5382} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 17 = 317 \text{ remainder } 4$$

$$\begin{array}{r} 317 \\ 17 \overline{) 5393} \\ \underline{5389} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 19 = 283 \text{ remainder } 16$$

$$\begin{array}{r} 283 \\ 19 \overline{) 5393} \\ \underline{5377} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 23 = 234 \text{ remainder } 11$$

$$\begin{array}{r} 234 \\ 23 \overline{) 5393} \\ \underline{5382} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 29 = 185 \text{ remainder } 28$$

$$\begin{array}{r} 185 \\ 29 \overline{) 5393} \\ \underline{5365} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 31 = 173 \text{ remainder } 30$$

$$\begin{array}{r} 173 \\ 31 \overline{) 5393} \end{array}$$

5363

----

30 ← remainder

$$5393 \div 37 = 145 \text{ remainder } 28$$

145  
37 | 5393  
5365

----

28 ← remainder

$$5393 \div 41 = 131 \text{ remainder } 22$$

131  
41 | 5393  
5371

----

22 ← remainder

$$5393 \div 43 = 125 \text{ remainder } 18$$

125  
43 | 5393  
5375

----

18 ← remainder

$$5393 \div 47 = 114 \text{ remainder } 35$$

114  
47 | 5393  
5358

----

35 ← remainder

$$5393 \div 53 = 101 \text{ remainder } 40$$

101  
53 | 5393  
5353

----

40 ← remainder

$$5393 \div 59 = 91 \text{ remainder } 24$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5393} \\ \underline{5369} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 61 = 88 \text{ remainder } 25$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5393} \\ \underline{5368} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 67 = 80 \text{ remainder } 33$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5393} \\ \underline{5360} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 71 = 75 \text{ remainder } 68$$

$$\begin{array}{r} 75 \\ 71 \overline{) 5393} \\ \underline{5325} \\ 68 \end{array} \leftarrow \text{remainder}$$

$$5393 \div 73 = 73 \text{ remainder } 64$$

$$\begin{array}{r} 73 \\ 73 \overline{) 5393} \\ \underline{5329} \\ 64 \end{array} \leftarrow \text{remainder}$$

## **P<sub>712</sub> 5399**

$$5399 \div 2 = 2699 \text{ remainder } 1$$

$$\begin{array}{r} 2699 \\ 2 \overline{) 5399} \\ \underline{5398} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 3 = 1799 \text{ remainder } 2$$

$$\begin{array}{r} 1799 \\ 3 \overline{) 5399} \\ \underline{5397} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 5 = 1079 \text{ remainder } 4$$

$$\begin{array}{r} 1079 \\ 5 \overline{) 5399} \\ \underline{5395} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 7 = 771 \text{ remainder } 2$$

$$\begin{array}{r} 771 \\ 7 \overline{) 5399} \\ \underline{5397} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 11 = 490 \text{ remainder } 9$$

$$\begin{array}{r} 490 \\ 11 \overline{) 5399} \\ \underline{5390} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 13 = 415 \text{ remainder } 4$$

$$\begin{array}{r} 415 \\ 13 \overline{) 5399} \\ \underline{5395} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 17 = 317 \text{ remainder } 10$$

$$\begin{array}{r} 317 \\ 17 \overline{) 5399} \\ \underline{5389} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 19 = 284 \text{ remainder } 3$$

$$\begin{array}{r} 284 \\ 19 \overline{) 5399} \\ \underline{5396} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 23 = 234 \text{ remainder } 17$$

$$\begin{array}{r} 234 \\ 23 \overline{) 5399} \\ \underline{5382} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 29 = 186 \text{ remainder } 5$$

$$\begin{array}{r} 186 \\ 29 \overline{) 5399} \\ \underline{5394} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 31 = 174 \text{ remainder } 5$$

$$\begin{array}{r} 174 \\ 31 \overline{) 5399} \end{array}$$

$$\begin{array}{r} 5394 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5399 \div 37 = 145 \text{ remainder } 34$$

$$\begin{array}{r} 145 \\ 37 \overline{) 5399} \\ \underline{5365} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$5399 \div 41 = 131 \text{ remainder } 28$$

$$\begin{array}{r} 131 \\ 41 \overline{) 5399} \\ \underline{5371} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5399 \div 43 = 125 \text{ remainder } 24$$

$$\begin{array}{r} 125 \\ 43 \overline{) 5399} \\ \underline{5375} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5399 \div 47 = 114 \text{ remainder } 41$$

$$\begin{array}{r} 114 \\ 47 \overline{) 5399} \\ \underline{5358} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$5399 \div 53 = 101 \text{ remainder } 46$$

$$\begin{array}{r} 101 \\ 53 \overline{) 5399} \\ \underline{5353} \\ 46 \leftarrow \text{remainder} \end{array}$$



$$5399 \div 59 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5399} \\ \underline{5369} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 61 = 88 \text{ remainder } 31$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5399} \\ \underline{5368} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 67 = 80 \text{ remainder } 39$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5399} \\ \underline{5360} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 71 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5399} \\ \underline{5396} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5399 \div 73 = 73 \text{ remainder } 70$$

$$\begin{array}{r} 73 \\ 73 \overline{) 5399} \\ \underline{5329} \\ 70 \end{array} \leftarrow \text{remainder}$$

## **P<sub>713</sub> 5407**

$$5407 \div 2 = 2703 \text{ remainder } 1$$

$$\begin{array}{r} 2703 \\ 2 \overline{) 5407} \\ \underline{5406} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 3 = 1802 \text{ remainder } 1$$

$$\begin{array}{r} 1802 \\ 3 \overline{) 5407} \\ \underline{5406} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 5 = 1081 \text{ remainder } 2$$

$$\begin{array}{r} 1081 \\ 5 \overline{) 5407} \\ \underline{5405} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 7 = 772 \text{ remainder } 3$$

$$\begin{array}{r} 772 \\ 7 \overline{) 5407} \\ \underline{5404} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 11 = 491 \text{ remainder } 6$$

$$\begin{array}{r} 491 \\ 11 \overline{) 5407} \\ \underline{5401} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 13 = 415 \text{ remainder } 12$$

$$\begin{array}{r} 415 \\ 13 \overline{) 5407} \\ \underline{5395} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 17 = 318 \text{ remainder } 1$$

$$\begin{array}{r} 318 \\ 17 \overline{) 5407} \\ \underline{5406} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 19 = 284 \text{ remainder } 11$$

$$\begin{array}{r} 284 \\ 19 \overline{) 5407} \\ \underline{5396} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 23 = 235 \text{ remainder } 2$$

$$\begin{array}{r} 235 \\ 23 \overline{) 5407} \\ \underline{5405} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 29 = 186 \text{ remainder } 13$$

$$\begin{array}{r} 186 \\ 29 \overline{) 5407} \\ \underline{5394} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 31 = 174 \text{ remainder } 13$$

$$\begin{array}{r} 174 \\ 31 \overline{) 5407} \end{array}$$

```

5394
----
13  ← remainder

```

$$5407 \div 37 = 146 \text{ remainder } 5$$

```

      146
37 | 5407
    5402
    ----
      5  ← remainder

```

$$5407 \div 41 = 131 \text{ remainder } 36$$

```

      131
41 | 5407
    5371
    ----
     36  ← remainder

```

$$5407 \div 43 = 125 \text{ remainder } 32$$

```

      125
43 | 5407
    5375
    ----
     32  ← remainder

```

$$5407 \div 47 = 115 \text{ remainder } 2$$

```

      115
47 | 5407
    5405
    ----
      2  ← remainder

```

$$5407 \div 53 = 102 \text{ remainder } 1$$

```

      102
53 | 5407
    5406
    ----
      1  ← remainder

```

$$5407 \div 59 = 91 \text{ remainder } 38$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5407} \\ \underline{5369} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 61 = 88 \text{ remainder } 39$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5407} \\ \underline{5368} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 67 = 80 \text{ remainder } 47$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5407} \\ \underline{5360} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 71 = 76 \text{ remainder } 11$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5407} \\ \underline{5396} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5407 \div 73 = 74 \text{ remainder } 5$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5407} \\ \underline{5402} \\ 5 \end{array} \leftarrow \text{remainder}$$

## **P<sub>714</sub> 5413**

$$5413 \div 2 = 2706 \text{ remainder } 1$$

$$\begin{array}{r} 2706 \\ 2 \overline{) 5413} \\ \underline{5412} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 3 = 1804 \text{ remainder } 1$$

$$\begin{array}{r} 1804 \\ 3 \overline{) 5413} \\ \underline{5412} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 5 = 1082 \text{ remainder } 3$$

$$\begin{array}{r} 1082 \\ 5 \overline{) 5413} \\ \underline{5410} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 7 = 773 \text{ remainder } 2$$

$$\begin{array}{r} 773 \\ 7 \overline{) 5413} \\ \underline{5411} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 11 = 492 \text{ remainder } 1$$

$$\begin{array}{r} 492 \\ 11 \overline{) 5413} \\ \underline{5412} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 13 = 416 \text{ remainder } 5$$

$$\begin{array}{r} 416 \\ 13 \overline{) 5413} \\ \underline{5408} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 17 = 318 \text{ remainder } 7$$

$$\begin{array}{r} 318 \\ 17 \overline{) 5413} \\ \underline{5406} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 19 = 284 \text{ remainder } 17$$

$$\begin{array}{r} 284 \\ 19 \overline{) 5413} \\ \underline{5396} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 23 = 235 \text{ remainder } 8$$

$$\begin{array}{r} 235 \\ 23 \overline{) 5413} \\ \underline{5405} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 29 = 186 \text{ remainder } 19$$

$$\begin{array}{r} 186 \\ 29 \overline{) 5413} \\ \underline{5394} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 31 = 174 \text{ remainder } 19$$

$$\begin{array}{r} 174 \\ 31 \overline{) 5413} \end{array}$$

$$\begin{array}{r} 5394 \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5413 \div 37 = 146 \text{ remainder } 11$$

$$\begin{array}{r} 146 \\ 37 \overline{) 5413} \\ \underline{5402} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5413 \div 41 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 41 \overline{) 5413} \\ \underline{5412} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5413 \div 43 = 125 \text{ remainder } 38$$

$$\begin{array}{r} 125 \\ 43 \overline{) 5413} \\ \underline{5375} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$5413 \div 47 = 115 \text{ remainder } 8$$

$$\begin{array}{r} 115 \\ 47 \overline{) 5413} \\ \underline{5405} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5413 \div 53 = 102 \text{ remainder } 7$$

$$\begin{array}{r} 102 \\ 53 \overline{) 5413} \\ \underline{5406} \\ 7 \leftarrow \text{remainder} \end{array}$$



$$5413 \div 59 = 91 \text{ remainder } 44$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5413} \\ \underline{5369} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 61 = 88 \text{ remainder } 45$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5413} \\ \underline{5368} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 67 = 80 \text{ remainder } 53$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5413} \\ \underline{5360} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 71 = 76 \text{ remainder } 17$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5413} \\ \underline{5396} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5413 \div 73 = 74 \text{ remainder } 11$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5413} \\ \underline{5402} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>715</sub> 5417**

$$5417 \div 2 = 2708 \text{ remainder } 1$$

$$\begin{array}{r} 2708 \\ 2 \overline{) 5417} \\ \underline{5416} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 3 = 1805 \text{ remainder } 2$$

$$\begin{array}{r} 1805 \\ 3 \overline{) 5417} \\ \underline{5415} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 5 = 1083 \text{ remainder } 2$$

$$\begin{array}{r} 1083 \\ 5 \overline{) 5417} \\ \underline{5415} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 7 = 773 \text{ remainder } 6$$

$$\begin{array}{r} 773 \\ 7 \overline{) 5417} \\ \underline{5411} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 11 = 492 \text{ remainder } 5$$

$$\begin{array}{r} 492 \\ 11 \overline{) 5417} \\ \underline{5412} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 13 = 416 \text{ remainder } 9$$

$$\begin{array}{r} 416 \\ 13 \overline{) 5417} \\ \underline{5408} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 17 = 318 \text{ remainder } 11$$

$$\begin{array}{r} 318 \\ 17 \overline{) 5417} \\ \underline{5406} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 19 = 285 \text{ remainder } 2$$

$$\begin{array}{r} 285 \\ 19 \overline{) 5417} \\ \underline{5415} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 23 = 235 \text{ remainder } 12$$

$$\begin{array}{r} 235 \\ 23 \overline{) 5417} \\ \underline{5405} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 29 = 186 \text{ remainder } 23$$

$$\begin{array}{r} 186 \\ 29 \overline{) 5417} \\ \underline{5394} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 31 = 174 \text{ remainder } 23$$

$$\begin{array}{r} 174 \\ 31 \overline{) 5417} \end{array}$$

$$\begin{array}{r} 5394 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5417 \div 37 = 146 \text{ remainder } 15$$

$$\begin{array}{r} 146 \\ 37 \overline{) 5417} \\ \underline{5402} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5417 \div 41 = 132 \text{ remainder } 5$$

$$\begin{array}{r} 132 \\ 41 \overline{) 5417} \\ \underline{5412} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5417 \div 43 = 125 \text{ remainder } 42$$

$$\begin{array}{r} 125 \\ 43 \overline{) 5417} \\ \underline{5375} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$5417 \div 47 = 115 \text{ remainder } 12$$

$$\begin{array}{r} 115 \\ 47 \overline{) 5417} \\ \underline{5405} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5417 \div 53 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 53 \overline{) 5417} \\ \underline{5406} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5417 \div 59 = 91 \text{ remainder } 48$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5417} \\ \underline{5369} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 61 = 88 \text{ remainder } 49$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5417} \\ \underline{5368} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 67 = 80 \text{ remainder } 57$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5417} \\ \underline{5360} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 71 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5417} \\ \underline{5396} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5417 \div 73 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5417} \\ \underline{5402} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>716</sub> 5419**

$$5419 \div 2 = 2709 \text{ remainder } 1$$

$$\begin{array}{r} 2709 \\ 2 \overline{) 5419} \\ \underline{5418} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 3 = 1806 \text{ remainder } 1$$

$$\begin{array}{r} 1806 \\ 3 \overline{) 5419} \\ \underline{5418} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 5 = 1083 \text{ remainder } 4$$

$$\begin{array}{r} 1083 \\ 5 \overline{) 5419} \\ \underline{5415} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 7 = 774 \text{ remainder } 1$$

$$\begin{array}{r} 774 \\ 7 \overline{) 5419} \\ \underline{5418} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 11 = 492 \text{ remainder } 7$$

$$\begin{array}{r} 492 \\ 11 \overline{) 5419} \\ \underline{5412} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 13 = 416 \text{ remainder } 11$$

$$\begin{array}{r} 416 \\ 13 \overline{) 5419} \\ \underline{5408} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 17 = 318 \text{ remainder } 13$$

$$\begin{array}{r} 318 \\ 17 \overline{) 5419} \\ \underline{5406} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 19 = 285 \text{ remainder } 4$$

$$\begin{array}{r} 285 \\ 19 \overline{) 5419} \\ \underline{5415} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 23 = 235 \text{ remainder } 14$$

$$\begin{array}{r} 235 \\ 23 \overline{) 5419} \\ \underline{5405} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 29 = 186 \text{ remainder } 25$$

$$\begin{array}{r} 186 \\ 29 \overline{) 5419} \\ \underline{5394} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 31 = 174 \text{ remainder } 25$$

$$\begin{array}{r} 174 \\ 31 \overline{) 5419} \end{array}$$

$$\begin{array}{r} 5394 \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5419 \div 37 = 146 \text{ remainder } 17$$

$$\begin{array}{r} 146 \\ 37 \overline{) 5419} \\ \underline{5402} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5419 \div 41 = 132 \text{ remainder } 7$$

$$\begin{array}{r} 132 \\ 41 \overline{) 5419} \\ \underline{5412} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5419 \div 43 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 43 \overline{) 5419} \\ \underline{5418} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5419 \div 47 = 115 \text{ remainder } 14$$

$$\begin{array}{r} 115 \\ 47 \overline{) 5419} \\ \underline{5405} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5419 \div 53 = 102 \text{ remainder } 13$$

$$\begin{array}{r} 102 \\ 53 \overline{) 5419} \\ \underline{5406} \\ 13 \leftarrow \text{remainder} \end{array}$$



$$5419 \div 59 = 91 \text{ remainder } 50$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5419} \\ \underline{5369} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 61 = 88 \text{ remainder } 51$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5419} \\ \underline{5368} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 67 = 80 \text{ remainder } 59$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5419} \\ \underline{5360} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 71 = 76 \text{ remainder } 23$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5419} \\ \underline{5396} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5419 \div 73 = 74 \text{ remainder } 17$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5419} \\ \underline{5402} \\ 17 \end{array} \leftarrow \text{remainder}$$

## **P<sub>717</sub> 5431**

$$5431 \div 2 = 2715 \text{ remainder } 1$$

$$\begin{array}{r} 2715 \\ 2 \overline{) 5431} \\ \underline{5430} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 3 = 1810 \text{ remainder } 1$$

$$\begin{array}{r} 1810 \\ 3 \overline{) 5431} \\ \underline{5430} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 5 = 1086 \text{ remainder } 1$$

$$\begin{array}{r} 1086 \\ 5 \overline{) 5431} \\ \underline{5430} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 7 = 775 \text{ remainder } 6$$

$$\begin{array}{r} 775 \\ 7 \overline{) 5431} \\ \underline{5425} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 11 = 493 \text{ remainder } 8$$

$$\begin{array}{r} 493 \\ 11 \overline{) 5431} \\ \underline{5423} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 13 = 417 \text{ remainder } 10$$

$$\begin{array}{r} 417 \\ 13 \overline{) 5431} \\ \underline{5421} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 17 = 319 \text{ remainder } 8$$

$$\begin{array}{r} 319 \\ 17 \overline{) 5431} \\ \underline{5423} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 19 = 285 \text{ remainder } 16$$

$$\begin{array}{r} 285 \\ 19 \overline{) 5431} \\ \underline{5415} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 23 = 236 \text{ remainder } 3$$

$$\begin{array}{r} 236 \\ 23 \overline{) 5431} \\ \underline{5428} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 29 = 187 \text{ remainder } 8$$

$$\begin{array}{r} 187 \\ 29 \overline{) 5431} \\ \underline{5423} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 31 = 175 \text{ remainder } 6$$

$$\begin{array}{r} 175 \\ 31 \overline{) 5431} \end{array}$$

$$\begin{array}{r} 5425 \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5431 \div 37 = 146 \text{ remainder } 29$$

$$\begin{array}{r} 146 \\ 37 \overline{) 5431} \\ \underline{5402} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5431 \div 41 = 132 \text{ remainder } 19$$

$$\begin{array}{r} 132 \\ 41 \overline{) 5431} \\ \underline{5412} \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5431 \div 43 = 126 \text{ remainder } 13$$

$$\begin{array}{r} 126 \\ 43 \overline{) 5431} \\ \underline{5418} \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5431 \div 47 = 115 \text{ remainder } 26$$

$$\begin{array}{r} 115 \\ 47 \overline{) 5431} \\ \underline{5405} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$5431 \div 53 = 102 \text{ remainder } 25$$

$$\begin{array}{r} 102 \\ 53 \overline{) 5431} \\ \underline{5406} \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5431 \div 59 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5431} \\ \underline{5428} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 61 = 89 \text{ remainder } 2$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5431} \\ \underline{5429} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 67 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5431} \\ \underline{5427} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 71 = 76 \text{ remainder } 35$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5431} \\ \underline{5396} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$5431 \div 73 = 74 \text{ remainder } 29$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5431} \\ \underline{5402} \\ 29 \end{array} \leftarrow \text{remainder}$$

## **P<sub>718</sub> 5437**

$$5437 \div 2 = 2718 \text{ remainder } 1$$

$$\begin{array}{r} 2718 \\ 2 \overline{) 5437} \\ \underline{5436} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 3 = 1812 \text{ remainder } 1$$

$$\begin{array}{r} 1812 \\ 3 \overline{) 5437} \\ \underline{5436} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 5 = 1087 \text{ remainder } 2$$

$$\begin{array}{r} 1087 \\ 5 \overline{) 5437} \\ \underline{5435} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 7 = 776 \text{ remainder } 5$$

$$\begin{array}{r} 776 \\ 7 \overline{) 5437} \\ \underline{5432} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 11 = 494 \text{ remainder } 3$$

$$\begin{array}{r} 494 \\ 11 \overline{) 5437} \\ \underline{5434} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 13 = 418 \text{ remainder } 3$$

$$\begin{array}{r} 418 \\ 13 \overline{) 5437} \\ \underline{5434} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 17 = 319 \text{ remainder } 14$$

$$\begin{array}{r} 319 \\ 17 \overline{) 5437} \\ \underline{5423} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 19 = 286 \text{ remainder } 3$$

$$\begin{array}{r} 286 \\ 19 \overline{) 5437} \\ \underline{5434} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 23 = 236 \text{ remainder } 9$$

$$\begin{array}{r} 236 \\ 23 \overline{) 5437} \\ \underline{5428} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 29 = 187 \text{ remainder } 14$$

$$\begin{array}{r} 187 \\ 29 \overline{) 5437} \\ \underline{5423} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 31 = 175 \text{ remainder } 12$$

$$\begin{array}{r} 175 \\ 31 \overline{) 5437} \end{array}$$

$$\begin{array}{r} 5425 \\ - - - - \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5437 \div 37 = 146 \text{ remainder } 35$$

$$\begin{array}{r} 146 \\ 37 \overline{) 5437} \\ \underline{5402} \phantom{00} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$5437 \div 41 = 132 \text{ remainder } 25$$

$$\begin{array}{r} 132 \\ 41 \overline{) 5437} \\ \underline{5412} \phantom{00} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5437 \div 43 = 126 \text{ remainder } 19$$

$$\begin{array}{r} 126 \\ 43 \overline{) 5437} \\ \underline{5418} \phantom{00} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5437 \div 47 = 115 \text{ remainder } 32$$

$$\begin{array}{r} 115 \\ 47 \overline{) 5437} \\ \underline{5405} \phantom{00} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$5437 \div 53 = 102 \text{ remainder } 31$$

$$\begin{array}{r} 102 \\ 53 \overline{) 5437} \\ \underline{5406} \phantom{00} \\ 31 \leftarrow \text{remainder} \end{array}$$



$$5437 \div 59 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5437} \\ \underline{5428} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 61 = 89 \text{ remainder } 8$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5437} \\ \underline{5429} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 67 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5437} \\ \underline{5427} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 71 = 76 \text{ remainder } 41$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5437} \\ \underline{5396} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$5437 \div 73 = 74 \text{ remainder } 35$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5437} \\ \underline{5402} \\ 35 \end{array} \leftarrow \text{remainder}$$

## **P<sub>719</sub> 5441**

$$5441 \div 2 = 2720 \text{ remainder } 1$$

$$\begin{array}{r} 2720 \\ 2 \overline{) 5441} \\ \underline{5440} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 3 = 1813 \text{ remainder } 2$$

$$\begin{array}{r} 1813 \\ 3 \overline{) 5441} \\ \underline{5439} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 5 = 1088 \text{ remainder } 1$$

$$\begin{array}{r} 1088 \\ 5 \overline{) 5441} \\ \underline{5440} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 7 = 777 \text{ remainder } 2$$

$$\begin{array}{r} 777 \\ 7 \overline{) 5441} \\ \underline{5439} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 11 = 494 \text{ remainder } 7$$

$$\begin{array}{r} 494 \\ 11 \overline{) 5441} \\ \underline{5434} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 13 = 418 \text{ remainder } 7$$

$$\begin{array}{r} 418 \\ 13 \overline{) 5441} \\ \underline{5434} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 17 = 320 \text{ remainder } 1$$

$$\begin{array}{r} 320 \\ 17 \overline{) 5441} \\ \underline{5440} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 19 = 286 \text{ remainder } 7$$

$$\begin{array}{r} 286 \\ 19 \overline{) 5441} \\ \underline{5434} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 23 = 236 \text{ remainder } 13$$

$$\begin{array}{r} 236 \\ 23 \overline{) 5441} \\ \underline{5428} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 29 = 187 \text{ remainder } 18$$

$$\begin{array}{r} 187 \\ 29 \overline{) 5441} \\ \underline{5423} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 31 = 175 \text{ remainder } 16$$

$$\begin{array}{r} 175 \\ 31 \overline{) 5441} \end{array}$$

5425  
 ----  
 16 ← remainder

$$5441 \div 37 = 147 \text{ remainder } 2$$

147  
 37 | 5441  
 5439  
 ----  
 2 ← remainder

$$5441 \div 41 = 132 \text{ remainder } 29$$

132  
 41 | 5441  
 5412  
 ----  
 29 ← remainder

$$5441 \div 43 = 126 \text{ remainder } 23$$

126  
 43 | 5441  
 5418  
 ----  
 23 ← remainder

$$5441 \div 47 = 115 \text{ remainder } 36$$

115  
 47 | 5441  
 5405  
 ----  
 36 ← remainder

$$5441 \div 53 = 102 \text{ remainder } 35$$

102  
 53 | 5441  
 5406  
 ----  
 35 ← remainder

$$5441 \div 59 = 92 \text{ remainder } 13$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5441} \\ \underline{5428} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 61 = 89 \text{ remainder } 12$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5441} \\ \underline{5429} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 67 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5441} \\ \underline{5427} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 71 = 76 \text{ remainder } 45$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5441} \\ \underline{5396} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5441 \div 73 = 74 \text{ remainder } 39$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5441} \\ \underline{5402} \\ 39 \end{array} \leftarrow \text{remainder}$$

## **P<sub>720</sub> 5443**

$$5443 \div 2 = 2721 \text{ remainder } 1$$

$$\begin{array}{r} 2721 \\ 2 \overline{) 5443} \\ \underline{5442} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 3 = 1814 \text{ remainder } 1$$

$$\begin{array}{r} 1814 \\ 3 \overline{) 5443} \\ \underline{5442} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 5 = 1088 \text{ remainder } 3$$

$$\begin{array}{r} 1088 \\ 5 \overline{) 5443} \\ \underline{5440} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 7 = 777 \text{ remainder } 4$$

$$\begin{array}{r} 777 \\ 7 \overline{) 5443} \\ \underline{5439} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 11 = 494 \text{ remainder } 9$$

$$\begin{array}{r} 494 \\ 11 \overline{) 5443} \\ \underline{5434} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 13 = 418 \text{ remainder } 9$$

$$\begin{array}{r} 418 \\ 13 \overline{) 5443} \\ \underline{5434} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 17 = 320 \text{ remainder } 3$$

$$\begin{array}{r} 320 \\ 17 \overline{) 5443} \\ \underline{5440} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 19 = 286 \text{ remainder } 9$$

$$\begin{array}{r} 286 \\ 19 \overline{) 5443} \\ \underline{5434} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 23 = 236 \text{ remainder } 15$$

$$\begin{array}{r} 236 \\ 23 \overline{) 5443} \\ \underline{5428} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 29 = 187 \text{ remainder } 20$$

$$\begin{array}{r} 187 \\ 29 \overline{) 5443} \\ \underline{5423} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 31 = 175 \text{ remainder } 18$$

$$\begin{array}{r} 175 \\ 31 \overline{) 5443} \end{array}$$

5425  
 ----  
 18 ← remainder

$$5443 \div 37 = 147 \text{ remainder } 4$$

147  
 37 | 5443  
 5439  
 ----  
 4 ← remainder

$$5443 \div 41 = 132 \text{ remainder } 31$$

132  
 41 | 5443  
 5412  
 ----  
 31 ← remainder

$$5443 \div 43 = 126 \text{ remainder } 25$$

126  
 43 | 5443  
 5418  
 ----  
 25 ← remainder

$$5443 \div 47 = 115 \text{ remainder } 38$$

115  
 47 | 5443  
 5405  
 ----  
 38 ← remainder

$$5443 \div 53 = 102 \text{ remainder } 37$$

102  
 53 | 5443  
 5406  
 ----  
 37 ← remainder



$$5443 \div 59 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5443} \\ \underline{5428} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 61 = 89 \text{ remainder } 14$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5443} \\ \underline{5429} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 67 = 81 \text{ remainder } 16$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5443} \\ \underline{5427} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 71 = 76 \text{ remainder } 47$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5443} \\ \underline{5396} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$5443 \div 73 = 74 \text{ remainder } 41$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5443} \\ \underline{5402} \\ 41 \end{array} \leftarrow \text{remainder}$$

## **P<sub>721</sub> 5449**

$$5449 \div 2 = 2724 \text{ remainder } 1$$

$$\begin{array}{r} 2724 \text{ ---} \\ 2 \mid \overline{5449} \\ \underline{5448} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 3 = 1816 \text{ remainder } 1$$

$$\begin{array}{r} 1816 \text{ ---} \\ 3 \mid \overline{5449} \\ \underline{5448} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 5 = 1089 \text{ remainder } 4$$

$$\begin{array}{r} 1089 \text{ ---} \\ 5 \mid \overline{5449} \\ \underline{5445} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 7 = 778 \text{ remainder } 3$$

$$\begin{array}{r} 778 \text{ ---} \\ 7 \mid \overline{5449} \\ \underline{5446} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 11 = 495 \text{ remainder } 4$$

$$\begin{array}{r} 495 \text{ ---} \\ 11 \mid \overline{5449} \\ \underline{5445} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 13 = 419 \text{ remainder } 2$$

$$\begin{array}{r} 419 \\ 13 \overline{) 5449} \\ \underline{5447} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 17 = 320 \text{ remainder } 9$$

$$\begin{array}{r} 320 \\ 17 \overline{) 5449} \\ \underline{5440} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 19 = 286 \text{ remainder } 15$$

$$\begin{array}{r} 286 \\ 19 \overline{) 5449} \\ \underline{5434} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 23 = 236 \text{ remainder } 21$$

$$\begin{array}{r} 236 \\ 23 \overline{) 5449} \\ \underline{5428} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 29 = 187 \text{ remainder } 26$$

$$\begin{array}{r} 187 \\ 29 \overline{) 5449} \\ \underline{5423} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 31 = 175 \text{ remainder } 24$$

$$\begin{array}{r} 175 \\ 31 \overline{) 5449} \end{array}$$

$$\begin{array}{r} 5425 \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5449 \div 37 = 147 \text{ remainder } 10$$

$$\begin{array}{r} 147 \\ 37 \overline{) 5449} \\ \underline{5439} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$5449 \div 41 = 132 \text{ remainder } 37$$

$$\begin{array}{r} 132 \\ 41 \overline{) 5449} \\ \underline{5412} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$5449 \div 43 = 126 \text{ remainder } 31$$

$$\begin{array}{r} 126 \\ 43 \overline{) 5449} \\ \underline{5418} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$5449 \div 47 = 115 \text{ remainder } 44$$

$$\begin{array}{r} 115 \\ 47 \overline{) 5449} \\ \underline{5405} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$5449 \div 53 = 102 \text{ remainder } 43$$

$$\begin{array}{r} 102 \\ 53 \overline{) 5449} \\ \underline{5406} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$5449 \div 59 = 92 \text{ remainder } 21$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5449} \\ \underline{5428} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 61 = 89 \text{ remainder } 20$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5449} \\ \underline{5429} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 67 = 81 \text{ remainder } 22$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5449} \\ \underline{5427} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 71 = 76 \text{ remainder } 53$$

$$\begin{array}{r} 76 \\ 71 \overline{) 5449} \\ \underline{5396} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$5449 \div 73 = 74 \text{ remainder } 47$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5449} \\ \underline{5402} \\ 47 \end{array} \leftarrow \text{remainder}$$

## **P<sub>722</sub> 5471**

$$5471 \div 2 = 2735 \text{ remainder } 1$$

$$\begin{array}{r} 2735 \\ 2 \overline{) 5471} \\ \underline{5470} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 3 = 1823 \text{ remainder } 2$$

$$\begin{array}{r} 1823 \\ 3 \overline{) 5471} \\ \underline{5469} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 5 = 1094 \text{ remainder } 1$$

$$\begin{array}{r} 1094 \\ 5 \overline{) 5471} \\ \underline{5470} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 7 = 781 \text{ remainder } 4$$

$$\begin{array}{r} 781 \\ 7 \overline{) 5471} \\ \underline{5467} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 11 = 497 \text{ remainder } 4$$

$$\begin{array}{r} 497 \\ 11 \overline{) 5471} \\ \underline{5467} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 13 = 420 \text{ remainder } 11$$

$$\begin{array}{r} 420 \\ 13 \overline{) 5471} \\ \underline{5460} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 17 = 321 \text{ remainder } 14$$

$$\begin{array}{r} 321 \\ 17 \overline{) 5471} \\ \underline{5457} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 19 = 287 \text{ remainder } 18$$

$$\begin{array}{r} 287 \\ 19 \overline{) 5471} \\ \underline{5453} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 23 = 237 \text{ remainder } 20$$

$$\begin{array}{r} 237 \\ 23 \overline{) 5471} \\ \underline{5451} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 29 = 188 \text{ remainder } 19$$

$$\begin{array}{r} 188 \\ 29 \overline{) 5471} \\ \underline{5452} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 31 = 176 \text{ remainder } 15$$

$$\begin{array}{r} 176 \\ 31 \overline{) 5471} \end{array}$$

5456  
 ----  
 15 ← remainder

$$5471 \div 37 = 147 \text{ remainder } 32$$

147  
 37 | 5471  
 5439  
 ----  
 32 ← remainder

$$5471 \div 41 = 133 \text{ remainder } 18$$

133  
 41 | 5471  
 5453  
 ----  
 18 ← remainder

$$5471 \div 43 = 127 \text{ remainder } 10$$

127  
 43 | 5471  
 5461  
 ----  
 10 ← remainder

$$5471 \div 47 = 116 \text{ remainder } 19$$

116  
 47 | 5471  
 5452  
 ----  
 19 ← remainder

$$5471 \div 53 = 103 \text{ remainder } 12$$

103  
 53 | 5471  
 5459  
 ----  
 12 ← remainder



$$5471 \div 59 = 92 \text{ remainder } 43$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5471} \\ \underline{5428} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 61 = 89 \text{ remainder } 42$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5471} \\ \underline{5429} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 67 = 81 \text{ remainder } 44$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5471} \\ \underline{5427} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 71 = 77 \text{ remainder } 4$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5471} \\ \underline{5467} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5471 \div 73 = 74 \text{ remainder } 69$$

$$\begin{array}{r} 74 \\ 73 \overline{) 5471} \\ \underline{5402} \\ 69 \end{array} \leftarrow \text{remainder}$$

## **P<sub>723</sub> 5477**

$$5477 \div 2 = 2738 \text{ remainder } 1$$

$$\begin{array}{r} 2738 \\ 2 \overline{) 5477} \\ \underline{5476} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 3 = 1825 \text{ remainder } 2$$

$$\begin{array}{r} 1825 \\ 3 \overline{) 5477} \\ \underline{5475} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 5 = 1095 \text{ remainder } 2$$

$$\begin{array}{r} 1095 \\ 5 \overline{) 5477} \\ \underline{5475} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 7 = 782 \text{ remainder } 3$$

$$\begin{array}{r} 782 \\ 7 \overline{) 5477} \\ \underline{5474} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 11 = 497 \text{ remainder } 10$$

$$\begin{array}{r} 497 \\ 11 \overline{) 5477} \\ \underline{5467} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 13 = 421 \text{ remainder } 4$$

$$\begin{array}{r} 421 \\ 13 \overline{) 5477} \\ \underline{5473} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 17 = 322 \text{ remainder } 3$$

$$\begin{array}{r} 322 \\ 17 \overline{) 5477} \\ \underline{5474} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 19 = 288 \text{ remainder } 5$$

$$\begin{array}{r} 288 \\ 19 \overline{) 5477} \\ \underline{5472} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 23 = 238 \text{ remainder } 3$$

$$\begin{array}{r} 238 \\ 23 \overline{) 5477} \\ \underline{5474} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 29 = 188 \text{ remainder } 25$$

$$\begin{array}{r} 188 \\ 29 \overline{) 5477} \\ \underline{5452} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 31 = 176 \text{ remainder } 21$$

$$\begin{array}{r} 176 \\ 31 \overline{) 5477} \end{array}$$

$$\begin{array}{r} 5456 \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$5477 \div 37 = 148 \text{ remainder } 1$$

$$\begin{array}{r} 148 \\ 37 \overline{) 5477} \\ \underline{5476} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5477 \div 41 = 133 \text{ remainder } 24$$

$$\begin{array}{r} 133 \\ 41 \overline{) 5477} \\ \underline{5453} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5477 \div 43 = 127 \text{ remainder } 16$$

$$\begin{array}{r} 127 \\ 43 \overline{) 5477} \\ \underline{5461} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5477 \div 47 = 116 \text{ remainder } 25$$

$$\begin{array}{r} 116 \\ 47 \overline{) 5477} \\ \underline{5452} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5477 \div 53 = 103 \text{ remainder } 18$$

$$\begin{array}{r} 103 \\ 53 \overline{) 5477} \\ \underline{5459} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5477 \div 59 = 92 \text{ remainder } 49$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5477} \\ \underline{5428} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 61 = 89 \text{ remainder } 48$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5477} \\ \underline{5429} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 67 = 81 \text{ remainder } 50$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5477} \\ \underline{5427} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 71 = 77 \text{ remainder } 10$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5477} \\ \underline{5467} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5477 \div 73 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5477} \\ \underline{5475} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>724</sub> 5479**

$$5479 \div 2 = 2739 \text{ remainder } 1$$

$$\begin{array}{r} 2739 \\ 2 \overline{) 5479} \\ \underline{5478} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 3 = 1826 \text{ remainder } 1$$

$$\begin{array}{r} 1826 \\ 3 \overline{) 5479} \\ \underline{5478} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 5 = 1095 \text{ remainder } 4$$

$$\begin{array}{r} 1095 \\ 5 \overline{) 5479} \\ \underline{5475} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 7 = 782 \text{ remainder } 5$$

$$\begin{array}{r} 782 \\ 7 \overline{) 5479} \\ \underline{5474} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 11 = 498 \text{ remainder } 1$$

$$\begin{array}{r} 498 \\ 11 \overline{) 5479} \\ \underline{5478} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 13 = 421 \text{ remainder } 6$$

$$\begin{array}{r} 421 \\ 13 \overline{) 5479} \\ \underline{5473} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 17 = 322 \text{ remainder } 5$$

$$\begin{array}{r} 322 \\ 17 \overline{) 5479} \\ \underline{5474} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 19 = 288 \text{ remainder } 7$$

$$\begin{array}{r} 288 \\ 19 \overline{) 5479} \\ \underline{5472} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 23 = 238 \text{ remainder } 5$$

$$\begin{array}{r} 238 \\ 23 \overline{) 5479} \\ \underline{5474} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 29 = 188 \text{ remainder } 27$$

$$\begin{array}{r} 188 \\ 29 \overline{) 5479} \\ \underline{5452} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 31 = 176 \text{ remainder } 23$$

$$\begin{array}{r} 176 \\ 31 \overline{) 5479} \end{array}$$

$$\begin{array}{r} 5456 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5479 \div 37 = 148 \text{ remainder } 3$$

$$\begin{array}{r} 148 \\ 37 \overline{) 5479} \\ \underline{5476} \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5479 \div 41 = 133 \text{ remainder } 26$$

$$\begin{array}{r} 133 \\ 41 \overline{) 5479} \\ \underline{5453} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$5479 \div 43 = 127 \text{ remainder } 18$$

$$\begin{array}{r} 127 \\ 43 \overline{) 5479} \\ \underline{5461} \\ - - - - \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5479 \div 47 = 116 \text{ remainder } 27$$

$$\begin{array}{r} 116 \\ 47 \overline{) 5479} \\ \underline{5452} \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5479 \div 53 = 103 \text{ remainder } 20$$

$$\begin{array}{r} 103 \\ 53 \overline{) 5479} \\ \underline{5459} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$



$$5479 \div 59 = 92 \text{ remainder } 51$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5479} \\ \underline{5428} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 61 = 89 \text{ remainder } 50$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5479} \\ \underline{5429} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 67 = 81 \text{ remainder } 52$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5479} \\ \underline{5427} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 71 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5479} \\ \underline{5467} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5479 \div 73 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5479} \\ \underline{5475} \\ 4 \end{array} \leftarrow \text{remainder}$$

## **P<sub>725</sub> 5483**

$$5483 \div 2 = 2741 \text{ remainder } 1$$

$$\begin{array}{r} 2741 \text{ ---} \\ 2 \mid \overline{5483} \\ \underline{5482} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 3 = 1827 \text{ remainder } 2$$

$$\begin{array}{r} 1827 \text{ ---} \\ 3 \mid \overline{5483} \\ \underline{5481} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 5 = 1096 \text{ remainder } 3$$

$$\begin{array}{r} 1096 \text{ ---} \\ 5 \mid \overline{5483} \\ \underline{5480} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 7 = 783 \text{ remainder } 2$$

$$\begin{array}{r} 783 \text{ ---} \\ 7 \mid \overline{5483} \\ \underline{5481} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 11 = 498 \text{ remainder } 5$$

$$\begin{array}{r} 498 \text{ ---} \\ 11 \mid \overline{5483} \\ \underline{5478} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 13 = 421 \text{ remainder } 10$$

$$\begin{array}{r} 421 \\ 13 \overline{) 5483} \\ \underline{5473} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 17 = 322 \text{ remainder } 9$$

$$\begin{array}{r} 322 \\ 17 \overline{) 5483} \\ \underline{5474} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 19 = 288 \text{ remainder } 11$$

$$\begin{array}{r} 288 \\ 19 \overline{) 5483} \\ \underline{5472} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 23 = 238 \text{ remainder } 9$$

$$\begin{array}{r} 238 \\ 23 \overline{) 5483} \\ \underline{5474} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 29 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 29 \overline{) 5483} \\ \underline{5481} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 31 = 176 \text{ remainder } 27$$

$$\begin{array}{r} 176 \\ 31 \overline{) 5483} \end{array}$$

$$\begin{array}{r} 5456 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 37 = 148 \text{ remainder } 7$$

$$\begin{array}{r} 148 \\ 37 \overline{) 5483} \\ \underline{5476} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 41 = 133 \text{ remainder } 30$$

$$\begin{array}{r} 133 \\ 41 \overline{) 5483} \\ \underline{5453} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 43 = 127 \text{ remainder } 22$$

$$\begin{array}{r} 127 \\ 43 \overline{) 5483} \\ \underline{5461} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 47 = 116 \text{ remainder } 31$$

$$\begin{array}{r} 116 \\ 47 \overline{) 5483} \\ \underline{5452} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 53 = 103 \text{ remainder } 24$$

$$\begin{array}{r} 103 \\ 53 \overline{) 5483} \\ \underline{5459} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 59 = 92 \text{ remainder } 55$$

$$\begin{array}{r} 92 \\ 59 \overline{) 5483} \\ \underline{5428} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 61 = 89 \text{ remainder } 54$$

$$\begin{array}{r} 89 \\ 61 \overline{) 5483} \\ \underline{5429} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 67 = 81 \text{ remainder } 56$$

$$\begin{array}{r} 81 \\ 67 \overline{) 5483} \\ \underline{5427} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 71 = 77 \text{ remainder } 16$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5483} \\ \underline{5467} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5483 \div 73 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5483} \\ \underline{5475} \\ 8 \end{array} \leftarrow \text{remainder}$$

## **P<sub>726</sub> 5501**

$$5501 \div 2 = 2750 \text{ remainder } 1$$

$$\begin{array}{r} 2750 \\ 2 \overline{) 5501} \\ \underline{5500} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 3 = 1833 \text{ remainder } 2$$

$$\begin{array}{r} 1833 \\ 3 \overline{) 5501} \\ \underline{5499} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 5 = 1100 \text{ remainder } 1$$

$$\begin{array}{r} 1100 \\ 5 \overline{) 5501} \\ \underline{5500} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 7 = 785 \text{ remainder } 6$$

$$\begin{array}{r} 785 \\ 7 \overline{) 5501} \\ \underline{5495} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 11 = 500 \text{ remainder } 1$$

$$\begin{array}{r} 500 \\ 11 \overline{) 5501} \\ \underline{5500} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 13 = 423 \text{ remainder } 2$$

$$\begin{array}{r} 423 \\ 13 \overline{) 5501} \\ \underline{5499} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 17 = 323 \text{ remainder } 10$$

$$\begin{array}{r} 323 \\ 17 \overline{) 5501} \\ \underline{5491} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 19 = 289 \text{ remainder } 10$$

$$\begin{array}{r} 289 \\ 19 \overline{) 5501} \\ \underline{5491} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 23 = 239 \text{ remainder } 4$$

$$\begin{array}{r} 239 \\ 23 \overline{) 5501} \\ \underline{5497} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 29 = 189 \text{ remainder } 20$$

$$\begin{array}{r} 189 \\ 29 \overline{) 5501} \\ \underline{5481} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 31 = 177 \text{ remainder } 14$$

$$\begin{array}{r} 177 \\ 31 \overline{) 5501} \end{array}$$

$$\begin{array}{r} 5487 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5501 \div 37 = 148 \text{ remainder } 25$$

$$\begin{array}{r} 148 \\ 37 \mid \overline{5501} \\ \underline{5476} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5501 \div 41 = 134 \text{ remainder } 7$$

$$\begin{array}{r} 134 \\ 41 \mid \overline{5501} \\ \underline{5494} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5501 \div 43 = 127 \text{ remainder } 40$$

$$\begin{array}{r} 127 \\ 43 \mid \overline{5501} \\ \underline{5461} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$5501 \div 47 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 47 \mid \overline{5501} \\ \underline{5499} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5501 \div 53 = 103 \text{ remainder } 42$$

$$\begin{array}{r} 103 \\ 53 \mid \overline{5501} \\ \underline{5459} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$



$$5501 \div 59 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 59 \overline{) 5501} \\ \underline{5487} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 61 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 61 \overline{) 5501} \\ \underline{5490} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 67 = 82 \text{ remainder } 7$$

$$\begin{array}{r} 82 \\ 67 \overline{) 5501} \\ \underline{5494} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 71 = 77 \text{ remainder } 34$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5501} \\ \underline{5467} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$5501 \div 73 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5501} \\ \underline{5475} \\ 26 \end{array} \leftarrow \text{remainder}$$

## **P<sub>727</sub> 5503**

$$5503 \div 2 = 2751 \text{ remainder } 1$$

$$\begin{array}{r} 2751 \text{ ---} \\ 2 \mid 5503 \\ \underline{5502} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 3 = 1834 \text{ remainder } 1$$

$$\begin{array}{r} 1834 \text{ ---} \\ 3 \mid 5503 \\ \underline{5502} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 5 = 1100 \text{ remainder } 3$$

$$\begin{array}{r} 1100 \text{ ---} \\ 5 \mid 5503 \\ \underline{5500} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 7 = 786 \text{ remainder } 1$$

$$\begin{array}{r} 786 \text{ ---} \\ 7 \mid 5503 \\ \underline{5502} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 11 = 500 \text{ remainder } 3$$

$$\begin{array}{r} 500 \text{ ---} \\ 11 \mid 5503 \\ \underline{5500} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 13 = 423 \text{ remainder } 4$$

$$\begin{array}{r} 423 \\ 13 \overline{) 5503} \\ \underline{5499} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 17 = 323 \text{ remainder } 12$$

$$\begin{array}{r} 323 \\ 17 \overline{) 5503} \\ \underline{5491} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 19 = 289 \text{ remainder } 12$$

$$\begin{array}{r} 289 \\ 19 \overline{) 5503} \\ \underline{5491} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 23 = 239 \text{ remainder } 6$$

$$\begin{array}{r} 239 \\ 23 \overline{) 5503} \\ \underline{5497} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 29 = 189 \text{ remainder } 22$$

$$\begin{array}{r} 189 \\ 29 \overline{) 5503} \\ \underline{5481} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 31 = 177 \text{ remainder } 16$$

$$\begin{array}{r} 177 \\ 31 \overline{) 5503} \end{array}$$

$$\begin{array}{r} 5487 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 37 = 148 \text{ remainder } 27$$

$$\begin{array}{r} 148 \\ 37 \overline{) 5503} \\ \underline{5476} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 41 = 134 \text{ remainder } 9$$

$$\begin{array}{r} 134 \\ 41 \overline{) 5503} \\ \underline{5494} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 43 = 127 \text{ remainder } 42$$

$$\begin{array}{r} 127 \\ 43 \overline{) 5503} \\ \underline{5461} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 47 = 117 \text{ remainder } 4$$

$$\begin{array}{r} 117 \\ 47 \overline{) 5503} \\ \underline{5499} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 53 = 103 \text{ remainder } 44$$

$$\begin{array}{r} 103 \\ 53 \overline{) 5503} \\ \underline{5459} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 59 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 59 \overline{) 5503} \\ \underline{5487} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 61 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 61 \overline{) 5503} \\ \underline{5490} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 67 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 67 \overline{) 5503} \\ \underline{5494} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 71 = 77 \text{ remainder } 36$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5503} \\ \underline{5467} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$5503 \div 73 = 75 \text{ remainder } 28$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5503} \\ \underline{5475} \\ 28 \end{array} \leftarrow \text{remainder}$$

## **P<sub>728</sub> 5507**

$$5507 \div 2 = 2753 \text{ remainder } 1$$

$$\begin{array}{r} 2753 \\ 2 \overline{) 5507} \\ \underline{5506} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 3 = 1835 \text{ remainder } 2$$

$$\begin{array}{r} 1835 \\ 3 \overline{) 5507} \\ \underline{5505} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 5 = 1101 \text{ remainder } 2$$

$$\begin{array}{r} 1101 \\ 5 \overline{) 5507} \\ \underline{5505} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 7 = 786 \text{ remainder } 5$$

$$\begin{array}{r} 786 \\ 7 \overline{) 5507} \\ \underline{5502} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 11 = 500 \text{ remainder } 7$$

$$\begin{array}{r} 500 \\ 11 \overline{) 5507} \\ \underline{5500} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 13 = 423 \text{ remainder } 8$$

$$\begin{array}{r} 423 \\ 13 \overline{) 5507} \\ \underline{5499} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 17 = 323 \text{ remainder } 16$$

$$\begin{array}{r} 323 \\ 17 \overline{) 5507} \\ \underline{5491} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 19 = 289 \text{ remainder } 16$$

$$\begin{array}{r} 289 \\ 19 \overline{) 5507} \\ \underline{5491} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 23 = 239 \text{ remainder } 10$$

$$\begin{array}{r} 239 \\ 23 \overline{) 5507} \\ \underline{5497} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 29 = 189 \text{ remainder } 26$$

$$\begin{array}{r} 189 \\ 29 \overline{) 5507} \\ \underline{5481} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 31 = 177 \text{ remainder } 20$$

$$\begin{array}{r} 177 \\ 31 \overline{) 5507} \end{array}$$

$$\begin{array}{r} 5487 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$5507 \div 37 = 148 \text{ remainder } 31$$

$$\begin{array}{r} 148 \\ 37 \mid \overline{5507} \\ \underline{5476} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$5507 \div 41 = 134 \text{ remainder } 13$$

$$\begin{array}{r} 134 \\ 41 \mid \overline{5507} \\ \underline{5494} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5507 \div 43 = 128 \text{ remainder } 3$$

$$\begin{array}{r} 128 \\ 43 \mid \overline{5507} \\ \underline{5504} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5507 \div 47 = 117 \text{ remainder } 8$$

$$\begin{array}{r} 117 \\ 47 \mid \overline{5507} \\ \underline{5499} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5507 \div 53 = 103 \text{ remainder } 48$$

$$\begin{array}{r} 103 \\ 53 \mid \overline{5507} \\ \underline{5459} \\ \text{----} \\ 48 \leftarrow \text{remainder} \end{array}$$



$$5507 \div 59 = 93 \text{ remainder } 20$$

$$\begin{array}{r} 93 \\ 59 \overline{) 5507} \\ \underline{5487} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 61 = 90 \text{ remainder } 17$$

$$\begin{array}{r} 90 \\ 61 \overline{) 5507} \\ \underline{5490} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 67 = 82 \text{ remainder } 13$$

$$\begin{array}{r} 82 \\ 67 \overline{) 5507} \\ \underline{5494} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 71 = 77 \text{ remainder } 40$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5507} \\ \underline{5467} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$5507 \div 73 = 75 \text{ remainder } 32$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5507} \\ \underline{5475} \\ 32 \end{array} \leftarrow \text{remainder}$$

## **P<sub>729</sub> 5519**

$$5519 \div 2 = 2759 \text{ remainder } 1$$

$$\begin{array}{r} 2759 \\ 2 \overline{) 5519} \\ \underline{5518} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 3 = 1839 \text{ remainder } 2$$

$$\begin{array}{r} 1839 \\ 3 \overline{) 5519} \\ \underline{5517} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 5 = 1103 \text{ remainder } 4$$

$$\begin{array}{r} 1103 \\ 5 \overline{) 5519} \\ \underline{5515} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 7 = 788 \text{ remainder } 3$$

$$\begin{array}{r} 788 \\ 7 \overline{) 5519} \\ \underline{5516} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 11 = 501 \text{ remainder } 8$$

$$\begin{array}{r} 501 \\ 11 \overline{) 5519} \\ \underline{5511} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 13 = 424 \text{ remainder } 7$$

$$\begin{array}{r} 424 \\ 13 \overline{) 5519} \\ \underline{5512} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 17 = 324 \text{ remainder } 11$$

$$\begin{array}{r} 324 \\ 17 \overline{) 5519} \\ \underline{5508} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 19 = 290 \text{ remainder } 9$$

$$\begin{array}{r} 290 \\ 19 \overline{) 5519} \\ \underline{5510} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 23 = 239 \text{ remainder } 22$$

$$\begin{array}{r} 239 \\ 23 \overline{) 5519} \\ \underline{5497} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 29 = 190 \text{ remainder } 9$$

$$\begin{array}{r} 190 \\ 29 \overline{) 5519} \\ \underline{5510} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 31 = 178 \text{ remainder } 1$$

$$\begin{array}{r} 178 \\ 31 \overline{) 5519} \end{array}$$

5518

----

1 ← remainder

$$5519 \div 37 = 149 \text{ remainder } 6$$

$$\begin{array}{r} 149 \\ 37 \overline{) 5519} \\ \underline{5513} \end{array}$$

----

6 ← remainder

$$5519 \div 41 = 134 \text{ remainder } 25$$

$$\begin{array}{r} 134 \\ 41 \overline{) 5519} \\ \underline{5494} \end{array}$$

----

25 ← remainder

$$5519 \div 43 = 128 \text{ remainder } 15$$

$$\begin{array}{r} 128 \\ 43 \overline{) 5519} \\ \underline{5504} \end{array}$$

----

15 ← remainder

$$5519 \div 47 = 117 \text{ remainder } 20$$

$$\begin{array}{r} 117 \\ 47 \overline{) 5519} \\ \underline{5499} \end{array}$$

----

20 ← remainder

$$5519 \div 53 = 104 \text{ remainder } 7$$

$$\begin{array}{r} 104 \\ 53 \overline{) 5519} \\ \underline{5512} \end{array}$$

----

7 ← remainder

$$5519 \div 59 = 93 \text{ remainder } 32$$

$$\begin{array}{r} 93 \\ 59 \overline{) 5519} \\ \underline{5487} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 61 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 61 \overline{) 5519} \\ \underline{5490} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 67 = 82 \text{ remainder } 25$$

$$\begin{array}{r} 82 \\ 67 \overline{) 5519} \\ \underline{5494} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 71 = 77 \text{ remainder } 52$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5519} \\ \underline{5467} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$5519 \div 73 = 75 \text{ remainder } 44$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5519} \\ \underline{5475} \\ 44 \end{array} \leftarrow \text{remainder}$$

## **P<sub>730</sub> 5521**

$$5521 \div 2 = 2760 \text{ remainder } 1$$

$$\begin{array}{r} 2760 \\ 2 \overline{) 5521} \\ \underline{5520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 3 = 1840 \text{ remainder } 1$$

$$\begin{array}{r} 1840 \\ 3 \overline{) 5521} \\ \underline{5520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 5 = 1104 \text{ remainder } 1$$

$$\begin{array}{r} 1104 \\ 5 \overline{) 5521} \\ \underline{5520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 7 = 788 \text{ remainder } 5$$

$$\begin{array}{r} 788 \\ 7 \overline{) 5521} \\ \underline{5516} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 11 = 501 \text{ remainder } 10$$

$$\begin{array}{r} 501 \\ 11 \overline{) 5521} \\ \underline{5511} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 13 = 424 \text{ remainder } 9$$

$$\begin{array}{r} 424 \\ 13 \overline{) 5521} \\ \underline{5512} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 17 = 324 \text{ remainder } 13$$

$$\begin{array}{r} 324 \\ 17 \overline{) 5521} \\ \underline{5508} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 19 = 290 \text{ remainder } 11$$

$$\begin{array}{r} 290 \\ 19 \overline{) 5521} \\ \underline{5510} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 23 = 240 \text{ remainder } 1$$

$$\begin{array}{r} 240 \\ 23 \overline{) 5521} \\ \underline{5520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 29 = 190 \text{ remainder } 11$$

$$\begin{array}{r} 190 \\ 29 \overline{) 5521} \\ \underline{5510} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 31 = 178 \text{ remainder } 3$$

$$\begin{array}{r} 178 \\ 31 \overline{) 5521} \end{array}$$

$$\begin{array}{r} 5518 \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5521 \div 37 = 149 \text{ remainder } 8$$

$$\begin{array}{r} 149 \\ 37 \overline{) 5521} \\ \underline{5513} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5521 \div 41 = 134 \text{ remainder } 27$$

$$\begin{array}{r} 134 \\ 41 \overline{) 5521} \\ \underline{5494} \phantom{00} \\ 27 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5521 \div 43 = 128 \text{ remainder } 17$$

$$\begin{array}{r} 128 \\ 43 \overline{) 5521} \\ \underline{5504} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5521 \div 47 = 117 \text{ remainder } 22$$

$$\begin{array}{r} 117 \\ 47 \overline{) 5521} \\ \underline{5499} \phantom{00} \\ 22 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5521 \div 53 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 53 \overline{) 5521} \\ \underline{5512} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$



$$5521 \div 59 = 93 \text{ remainder } 34$$

$$\begin{array}{r} 93 \\ 59 \overline{) 5521} \\ \underline{5487} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 61 = 90 \text{ remainder } 31$$

$$\begin{array}{r} 90 \\ 61 \overline{) 5521} \\ \underline{5490} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 67 = 82 \text{ remainder } 27$$

$$\begin{array}{r} 82 \\ 67 \overline{) 5521} \\ \underline{5494} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 71 = 77 \text{ remainder } 54$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5521} \\ \underline{5467} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$5521 \div 73 = 75 \text{ remainder } 46$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5521} \\ \underline{5475} \\ 46 \end{array} \leftarrow \text{remainder}$$

## **P<sub>731</sub> 5527**

$$5527 \div 2 = 2763 \text{ remainder } 1$$

$$\begin{array}{r} 2763 \\ 2 \overline{) 5527} \\ \underline{5526} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 3 = 1842 \text{ remainder } 1$$

$$\begin{array}{r} 1842 \\ 3 \overline{) 5527} \\ \underline{5526} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 5 = 1105 \text{ remainder } 2$$

$$\begin{array}{r} 1105 \\ 5 \overline{) 5527} \\ \underline{5525} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 7 = 789 \text{ remainder } 4$$

$$\begin{array}{r} 789 \\ 7 \overline{) 5527} \\ \underline{5523} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 11 = 502 \text{ remainder } 5$$

$$\begin{array}{r} 502 \\ 11 \overline{) 5527} \\ \underline{5522} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 13 = 425 \text{ remainder } 2$$

$$\begin{array}{r} 425 \\ 13 \overline{) 5527} \\ \underline{5525} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 17 = 325 \text{ remainder } 2$$

$$\begin{array}{r} 325 \\ 17 \overline{) 5527} \\ \underline{5525} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 19 = 290 \text{ remainder } 17$$

$$\begin{array}{r} 290 \\ 19 \overline{) 5527} \\ \underline{5510} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 23 = 240 \text{ remainder } 7$$

$$\begin{array}{r} 240 \\ 23 \overline{) 5527} \\ \underline{5520} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 29 = 190 \text{ remainder } 17$$

$$\begin{array}{r} 190 \\ 29 \overline{) 5527} \\ \underline{5510} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 31 = 178 \text{ remainder } 9$$

$$\begin{array}{r} 178 \\ 31 \overline{) 5527} \end{array}$$

$$\begin{array}{r} 5518 \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$5527 \div 37 = 149 \text{ remainder } 14$$

$$\begin{array}{r} 149 \\ 37 \overline{) 5527} \\ \underline{5513} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5527 \div 41 = 134 \text{ remainder } 33$$

$$\begin{array}{r} 134 \\ 41 \overline{) 5527} \\ \underline{5494} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$5527 \div 43 = 128 \text{ remainder } 23$$

$$\begin{array}{r} 128 \\ 43 \overline{) 5527} \\ \underline{5504} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5527 \div 47 = 117 \text{ remainder } 28$$

$$\begin{array}{r} 117 \\ 47 \overline{) 5527} \\ \underline{5499} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5527 \div 53 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 53 \overline{) 5527} \\ \underline{5512} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5527 \div 59 = 93 \text{ remainder } 40$$

$$\begin{array}{r} 93 \\ 59 \overline{) 5527} \\ \underline{5487} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 61 = 90 \text{ remainder } 37$$

$$\begin{array}{r} 90 \\ 61 \overline{) 5527} \\ \underline{5490} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 67 = 82 \text{ remainder } 33$$

$$\begin{array}{r} 82 \\ 67 \overline{) 5527} \\ \underline{5494} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 71 = 77 \text{ remainder } 60$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5527} \\ \underline{5467} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$5527 \div 73 = 75 \text{ remainder } 52$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5527} \\ \underline{5475} \\ 52 \end{array} \leftarrow \text{remainder}$$

## **P<sub>732</sub> 5531**

$$5531 \div 2 = 2765 \text{ remainder } 1$$

$$\begin{array}{r} 2765 \\ 2 \overline{) 5531} \\ \underline{5530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 3 = 1843 \text{ remainder } 2$$

$$\begin{array}{r} 1843 \\ 3 \overline{) 5531} \\ \underline{5529} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 5 = 1106 \text{ remainder } 1$$

$$\begin{array}{r} 1106 \\ 5 \overline{) 5531} \\ \underline{5530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 7 = 790 \text{ remainder } 1$$

$$\begin{array}{r} 790 \\ 7 \overline{) 5531} \\ \underline{5530} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 11 = 502 \text{ remainder } 9$$

$$\begin{array}{r} 502 \\ 11 \overline{) 5531} \\ \underline{5522} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 13 = 425 \text{ remainder } 6$$

$$\begin{array}{r} 425 \\ 13 \overline{) 5531} \\ \underline{5525} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 17 = 325 \text{ remainder } 6$$

$$\begin{array}{r} 325 \\ 17 \overline{) 5531} \\ \underline{5525} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 19 = 291 \text{ remainder } 2$$

$$\begin{array}{r} 291 \\ 19 \overline{) 5531} \\ \underline{5529} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 23 = 240 \text{ remainder } 11$$

$$\begin{array}{r} 240 \\ 23 \overline{) 5531} \\ \underline{5520} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 29 = 190 \text{ remainder } 21$$

$$\begin{array}{r} 190 \\ 29 \overline{) 5531} \\ \underline{5510} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 31 = 178 \text{ remainder } 13$$

$$\begin{array}{r} 178 \\ 31 \overline{) 5531} \end{array}$$

$$\begin{array}{r} 5518 \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5531 \div 37 = 149 \text{ remainder } 18$$

$$\begin{array}{r} 149 \\ 37 \overline{) 5531} \\ \underline{5513} \phantom{00} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5531 \div 41 = 134 \text{ remainder } 37$$

$$\begin{array}{r} 134 \\ 41 \overline{) 5531} \\ \underline{5494} \phantom{00} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$5531 \div 43 = 128 \text{ remainder } 27$$

$$\begin{array}{r} 128 \\ 43 \overline{) 5531} \\ \underline{5504} \phantom{00} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5531 \div 47 = 117 \text{ remainder } 32$$

$$\begin{array}{r} 117 \\ 47 \overline{) 5531} \\ \underline{5499} \phantom{00} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$5531 \div 53 = 104 \text{ remainder } 19$$

$$\begin{array}{r} 104 \\ 53 \overline{) 5531} \\ \underline{5512} \phantom{00} \\ 19 \leftarrow \text{remainder} \end{array}$$



$$5531 \div 59 = 93 \text{ remainder } 44$$

$$\begin{array}{r} 93 \\ 59 \overline{) 5531} \\ \underline{5487} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 61 = 90 \text{ remainder } 41$$

$$\begin{array}{r} 90 \\ 61 \overline{) 5531} \\ \underline{5490} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 67 = 82 \text{ remainder } 37$$

$$\begin{array}{r} 82 \\ 67 \overline{) 5531} \\ \underline{5494} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 71 = 77 \text{ remainder } 64$$

$$\begin{array}{r} 77 \\ 71 \overline{) 5531} \\ \underline{5467} \\ 64 \end{array} \leftarrow \text{remainder}$$

$$5531 \div 73 = 75 \text{ remainder } 56$$

$$\begin{array}{r} 75 \\ 73 \overline{) 5531} \\ \underline{5475} \\ 56 \end{array} \leftarrow \text{remainder}$$

## **P<sub>733</sub> 5557**

$$5557 \div 2 = 2778 \text{ remainder } 1$$

$$\begin{array}{r} 2778 \\ 2 \overline{) 5557} \\ \underline{5556} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 3 = 1852 \text{ remainder } 1$$

$$\begin{array}{r} 1852 \\ 3 \overline{) 5557} \\ \underline{5556} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 5 = 1111 \text{ remainder } 2$$

$$\begin{array}{r} 1111 \\ 5 \overline{) 5557} \\ \underline{5555} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 7 = 793 \text{ remainder } 6$$

$$\begin{array}{r} 793 \\ 7 \overline{) 5557} \\ \underline{5551} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 11 = 505 \text{ remainder } 2$$

$$\begin{array}{r} 505 \\ 11 \overline{) 5557} \\ \underline{5555} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 13 = 427 \text{ remainder } 6$$

$$\begin{array}{r} 427 \\ 13 \overline{) 5557} \\ \underline{5551} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 17 = 326 \text{ remainder } 15$$

$$\begin{array}{r} 326 \\ 17 \overline{) 5557} \\ \underline{5542} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 19 = 292 \text{ remainder } 9$$

$$\begin{array}{r} 292 \\ 19 \overline{) 5557} \\ \underline{5548} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 23 = 241 \text{ remainder } 14$$

$$\begin{array}{r} 241 \\ 23 \overline{) 5557} \\ \underline{5543} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 29 = 191 \text{ remainder } 18$$

$$\begin{array}{r} 191 \\ 29 \overline{) 5557} \\ \underline{5539} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 31 = 179 \text{ remainder } 8$$

$$\begin{array}{r} 179 \\ 31 \overline{) 5557} \end{array}$$

5549

----

8 ← remainder

$$5557 \div 37 = 150 \text{ remainder } 7$$

$$\begin{array}{r} 150 \\ 37 \overline{) 5557} \\ \underline{5550} \end{array}$$

----

7 ← remainder

$$5557 \div 41 = 135 \text{ remainder } 22$$

$$\begin{array}{r} 135 \\ 41 \overline{) 5557} \\ \underline{5535} \end{array}$$

----

22 ← remainder

$$5557 \div 43 = 129 \text{ remainder } 10$$

$$\begin{array}{r} 129 \\ 43 \overline{) 5557} \\ \underline{5547} \end{array}$$

----

10 ← remainder

$$5557 \div 47 = 118 \text{ remainder } 11$$

$$\begin{array}{r} 118 \\ 47 \overline{) 5557} \\ \underline{5546} \end{array}$$

----

11 ← remainder

$$5557 \div 53 = 104 \text{ remainder } 45$$

$$\begin{array}{r} 104 \\ 53 \overline{) 5557} \\ \underline{5512} \end{array}$$

----

45 ← remainder

$$5557 \div 59 = 94 \text{ remainder } 11$$

$$\begin{array}{r} 94 \\ 59 \overline{) 5557} \\ \underline{5546} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 61 = 91 \text{ remainder } 6$$

$$\begin{array}{r} 91 \\ 61 \overline{) 5557} \\ \underline{5551} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 67 = 82 \text{ remainder } 63$$

$$\begin{array}{r} 82 \\ 67 \overline{) 5557} \\ \underline{5494} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 71 = 78 \text{ remainder } 19$$

$$\begin{array}{r} 78 \\ 71 \overline{) 5557} \\ \underline{5538} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5557 \div 73 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 73 \overline{) 5557} \\ \underline{5548} \\ 9 \end{array} \leftarrow \text{remainder}$$

## **P<sub>734</sub> 5563**

$$5563 \div 2 = 2781 \text{ remainder } 1$$

$$\begin{array}{r} 2781 \\ 2 \overline{) 5563} \\ \underline{5562} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 3 = 1854 \text{ remainder } 1$$

$$\begin{array}{r} 1854 \\ 3 \overline{) 5563} \\ \underline{5562} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 5 = 1112 \text{ remainder } 3$$

$$\begin{array}{r} 1112 \\ 5 \overline{) 5563} \\ \underline{5560} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 7 = 794 \text{ remainder } 5$$

$$\begin{array}{r} 794 \\ 7 \overline{) 5563} \\ \underline{5558} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 11 = 505 \text{ remainder } 8$$

$$\begin{array}{r} 505 \\ 11 \overline{) 5563} \\ \underline{5555} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 13 = 427 \text{ remainder } 12$$

$$\begin{array}{r} 427 \\ 13 \overline{) 5563} \\ \underline{5551} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 17 = 327 \text{ remainder } 4$$

$$\begin{array}{r} 327 \\ 17 \overline{) 5563} \\ \underline{5559} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 19 = 292 \text{ remainder } 15$$

$$\begin{array}{r} 292 \\ 19 \overline{) 5563} \\ \underline{5548} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 23 = 241 \text{ remainder } 20$$

$$\begin{array}{r} 241 \\ 23 \overline{) 5563} \\ \underline{5543} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 29 = 191 \text{ remainder } 24$$

$$\begin{array}{r} 191 \\ 29 \overline{) 5563} \\ \underline{5539} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 31 = 179 \text{ remainder } 14$$

$$\begin{array}{r} 179 \\ 31 \overline{) 5563} \end{array}$$

$$\begin{array}{r} 5549 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5563 \div 37 = 150 \text{ remainder } 13$$

$$\begin{array}{r} 150 \\ 37 \mid \overline{5563} \\ \underline{5550} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5563 \div 41 = 135 \text{ remainder } 28$$

$$\begin{array}{r} 135 \\ 41 \mid \overline{5563} \\ \underline{5535} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5563 \div 43 = 129 \text{ remainder } 16$$

$$\begin{array}{r} 129 \\ 43 \mid \overline{5563} \\ \underline{5547} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5563 \div 47 = 118 \text{ remainder } 17$$

$$\begin{array}{r} 118 \\ 47 \mid \overline{5563} \\ \underline{5546} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5563 \div 53 = 104 \text{ remainder } 51$$

$$\begin{array}{r} 104 \\ 53 \mid \overline{5563} \\ \underline{5512} \\ \text{----} \\ 51 \leftarrow \text{remainder} \end{array}$$



$$5563 \div 59 = 94 \text{ remainder } 17$$

$$\begin{array}{r} 94 \\ 59 \overline{) 5563} \\ \underline{5546} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 61 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 61 \overline{) 5563} \\ \underline{5551} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 67 = 83 \text{ remainder } 2$$

$$\begin{array}{r} 83 \\ 67 \overline{) 5563} \\ \underline{5561} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 71 = 78 \text{ remainder } 25$$

$$\begin{array}{r} 78 \\ 71 \overline{) 5563} \\ \underline{5538} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5563 \div 73 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 73 \overline{) 5563} \\ \underline{5548} \\ 15 \end{array} \leftarrow \text{remainder}$$

## **P<sub>735</sub> 5569**

$$5569 \div 2 = 2784 \text{ remainder } 1$$

$$\begin{array}{r} 2784 \text{ ---} \\ 2 \mid 5569 \\ \underline{5568} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5569 \div 3 = 1856 \text{ remainder } 1$$

$$\begin{array}{r} 1856 \text{ ---} \\ 3 \mid 5569 \\ \underline{5568} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5569 \div 5 = 1113 \text{ remainder } 4$$

$$\begin{array}{r} 1113 \text{ ---} \\ 5 \mid 5569 \\ \underline{5565} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$5569 \div 7 = 795 \text{ remainder } 4$$

$$\begin{array}{r} 795 \text{ ---} \\ 7 \mid 5569 \\ \underline{5565} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$5569 \div 11 = 506 \text{ remainder } 3$$

$$\begin{array}{r} 506 \text{ ---} \\ 11 \mid 5569 \\ \underline{5566} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5569 \div 13 = 428 \text{ remainder } 5$$

$$\begin{array}{r} 428 \\ 13 \overline{) 5569} \\ \underline{5564} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 17 = 327 \text{ remainder } 10$$

$$\begin{array}{r} 327 \\ 17 \overline{) 5569} \\ \underline{5559} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 19 = 293 \text{ remainder } 2$$

$$\begin{array}{r} 293 \\ 19 \overline{) 5569} \\ \underline{5567} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 23 = 242 \text{ remainder } 3$$

$$\begin{array}{r} 242 \\ 23 \overline{) 5569} \\ \underline{5566} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 29 = 192 \text{ remainder } 1$$

$$\begin{array}{r} 192 \\ 29 \overline{) 5569} \\ \underline{5568} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 31 = 179 \text{ remainder } 20$$

$$\begin{array}{r} 179 \\ 31 \overline{) 5569} \end{array}$$

5549  
 ----  
 20 ← remainder

$$5569 \div 37 = 150 \text{ remainder } 19$$

37 |  $\overline{) 5569}$   
 150  
 5550  
 ----  
 19 ← remainder

$$5569 \div 41 = 135 \text{ remainder } 34$$

41 |  $\overline{) 5569}$   
 135  
 5535  
 ----  
 34 ← remainder

$$5569 \div 43 = 129 \text{ remainder } 22$$

43 |  $\overline{) 5569}$   
 129  
 5547  
 ----  
 22 ← remainder

$$5569 \div 47 = 118 \text{ remainder } 23$$

47 |  $\overline{) 5569}$   
 118  
 5546  
 ----  
 23 ← remainder

$$5569 \div 53 = 105 \text{ remainder } 4$$

53 |  $\overline{) 5569}$   
 105  
 5565  
 ----  
 4 ← remainder

$$5569 \div 59 = 94 \text{ remainder } 23$$

$$\begin{array}{r} 94 \\ 59 \overline{) 5569} \\ \underline{5546} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 61 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 61 \overline{) 5569} \\ \underline{5551} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 67 = 83 \text{ remainder } 8$$

$$\begin{array}{r} 83 \\ 67 \overline{) 5569} \\ \underline{5561} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 71 = 78 \text{ remainder } 31$$

$$\begin{array}{r} 78 \\ 71 \overline{) 5569} \\ \underline{5538} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$5569 \div 73 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 73 \overline{) 5569} \\ \underline{5548} \\ 21 \end{array} \leftarrow \text{remainder}$$

## **P<sub>736</sub> 5573**

$$5573 \div 2 = 2786 \text{ remainder } 1$$

$$\begin{array}{r} 2786 \text{ ---} \\ 2 \mid 5573 \\ \underline{5572} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 3 = 1857 \text{ remainder } 2$$

$$\begin{array}{r} 1857 \text{ ---} \\ 3 \mid 5573 \\ \underline{5571} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 5 = 1114 \text{ remainder } 3$$

$$\begin{array}{r} 1114 \text{ ---} \\ 5 \mid 5573 \\ \underline{5570} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 7 = 796 \text{ remainder } 1$$

$$\begin{array}{r} 796 \text{ ---} \\ 7 \mid 5573 \\ \underline{5572} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 11 = 506 \text{ remainder } 7$$

$$\begin{array}{r} 506 \text{ ---} \\ 11 \mid 5573 \\ \underline{5566} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 13 = 428 \text{ remainder } 9$$

$$\begin{array}{r} 428 \\ 13 \overline{) 5573} \\ \underline{5564} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 17 = 327 \text{ remainder } 14$$

$$\begin{array}{r} 327 \\ 17 \overline{) 5573} \\ \underline{5559} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 19 = 293 \text{ remainder } 6$$

$$\begin{array}{r} 293 \\ 19 \overline{) 5573} \\ \underline{5567} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 23 = 242 \text{ remainder } 7$$

$$\begin{array}{r} 242 \\ 23 \overline{) 5573} \\ \underline{5566} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 29 = 192 \text{ remainder } 5$$

$$\begin{array}{r} 192 \\ 29 \overline{) 5573} \\ \underline{5568} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 31 = 179 \text{ remainder } 24$$

$$\begin{array}{r} 179 \\ 31 \overline{) 5573} \end{array}$$

$$\begin{array}{r} 5549 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 37 = 150 \text{ remainder } 23$$

$$\begin{array}{r} 150 \\ 37 \overline{) 5573} \\ \underline{5550} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 41 = 135 \text{ remainder } 38$$

$$\begin{array}{r} 135 \\ 41 \overline{) 5573} \\ \underline{5535} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 43 = 129 \text{ remainder } 26$$

$$\begin{array}{r} 129 \\ 43 \overline{) 5573} \\ \underline{5547} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 47 = 118 \text{ remainder } 27$$

$$\begin{array}{r} 118 \\ 47 \overline{) 5573} \\ \underline{5546} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 53 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 53 \overline{) 5573} \\ \underline{5565} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$



$$5573 \div 59 = 94 \text{ remainder } 27$$

$$\begin{array}{r} 94 \\ 59 \overline{) 5573} \\ \underline{5546} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 61 = 91 \text{ remainder } 22$$

$$\begin{array}{r} 91 \\ 61 \overline{) 5573} \\ \underline{5551} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 67 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 67 \overline{) 5573} \\ \underline{5561} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 71 = 78 \text{ remainder } 35$$

$$\begin{array}{r} 78 \\ 71 \overline{) 5573} \\ \underline{5538} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$5573 \div 73 = 76 \text{ remainder } 25$$

$$\begin{array}{r} 76 \\ 73 \overline{) 5573} \\ \underline{5548} \\ 25 \end{array} \leftarrow \text{remainder}$$

## **P<sub>737</sub> 5581**

$$5581 \div 2 = 2790 \text{ remainder } 1$$

$$\begin{array}{r} 2790 \\ 2 \overline{) 5581} \\ \underline{5580} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 3 = 1860 \text{ remainder } 1$$

$$\begin{array}{r} 1860 \\ 3 \overline{) 5581} \\ \underline{5580} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 5 = 1116 \text{ remainder } 1$$

$$\begin{array}{r} 1116 \\ 5 \overline{) 5581} \\ \underline{5580} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 7 = 797 \text{ remainder } 2$$

$$\begin{array}{r} 797 \\ 7 \overline{) 5581} \\ \underline{5579} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 11 = 507 \text{ remainder } 4$$

$$\begin{array}{r} 507 \\ 11 \overline{) 5581} \\ \underline{5577} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 13 = 429 \text{ remainder } 4$$

$$\begin{array}{r} 429 \\ 13 \overline{) 5581} \\ \underline{5577} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 17 = 328 \text{ remainder } 5$$

$$\begin{array}{r} 328 \\ 17 \overline{) 5581} \\ \underline{5576} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 19 = 293 \text{ remainder } 14$$

$$\begin{array}{r} 293 \\ 19 \overline{) 5581} \\ \underline{5567} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 23 = 242 \text{ remainder } 15$$

$$\begin{array}{r} 242 \\ 23 \overline{) 5581} \\ \underline{5566} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 29 = 192 \text{ remainder } 13$$

$$\begin{array}{r} 192 \\ 29 \overline{) 5581} \\ \underline{5568} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 31 = 180 \text{ remainder } 1$$

$$\begin{array}{r} 180 \\ 31 \overline{) 5581} \end{array}$$

5580

----

1 ← remainder

$$5581 \div 37 = 150 \text{ remainder } 31$$

$$\begin{array}{r} 150 \\ 37 \overline{) 5581} \\ \underline{5550} \end{array}$$

----

31 ← remainder

$$5581 \div 41 = 136 \text{ remainder } 5$$

$$\begin{array}{r} 136 \\ 41 \overline{) 5581} \\ \underline{5576} \end{array}$$

----

5 ← remainder

$$5581 \div 43 = 129 \text{ remainder } 34$$

$$\begin{array}{r} 129 \\ 43 \overline{) 5581} \\ \underline{5547} \end{array}$$

----

34 ← remainder

$$5581 \div 47 = 118 \text{ remainder } 35$$

$$\begin{array}{r} 118 \\ 47 \overline{) 5581} \\ \underline{5546} \end{array}$$

----

35 ← remainder

$$5581 \div 53 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 53 \overline{) 5581} \\ \underline{5565} \end{array}$$

----

16 ← remainder

$$5581 \div 59 = 94 \text{ remainder } 35$$

$$\begin{array}{r} 94 \\ 59 \overline{) 5581} \\ \underline{5546} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 61 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 61 \overline{) 5581} \\ \underline{5551} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 67 = 83 \text{ remainder } 20$$

$$\begin{array}{r} 83 \\ 67 \overline{) 5581} \\ \underline{5561} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 71 = 78 \text{ remainder } 43$$

$$\begin{array}{r} 78 \\ 71 \overline{) 5581} \\ \underline{5538} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$5581 \div 73 = 76 \text{ remainder } 33$$

$$\begin{array}{r} 76 \\ 73 \overline{) 5581} \\ \underline{5548} \\ 33 \end{array} \leftarrow \text{remainder}$$

## **P<sub>738</sub> 5591**

$$5591 \div 2 = 2795 \text{ remainder } 1$$

$$\begin{array}{r} 2795 \\ 2 \overline{) 5591} \\ \underline{5590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 3 = 1863 \text{ remainder } 2$$

$$\begin{array}{r} 1863 \\ 3 \overline{) 5591} \\ \underline{5589} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 5 = 1118 \text{ remainder } 1$$

$$\begin{array}{r} 1118 \\ 5 \overline{) 5591} \\ \underline{5590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 7 = 798 \text{ remainder } 5$$

$$\begin{array}{r} 798 \\ 7 \overline{) 5591} \\ \underline{5586} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 11 = 508 \text{ remainder } 3$$

$$\begin{array}{r} 508 \\ 11 \overline{) 5591} \\ \underline{5588} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 13 = 430 \text{ remainder } 1$$

$$\begin{array}{r} 430 \\ 13 \overline{) 5591} \\ \underline{5590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 17 = 328 \text{ remainder } 15$$

$$\begin{array}{r} 328 \\ 17 \overline{) 5591} \\ \underline{5576} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 19 = 294 \text{ remainder } 5$$

$$\begin{array}{r} 294 \\ 19 \overline{) 5591} \\ \underline{5586} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 23 = 243 \text{ remainder } 2$$

$$\begin{array}{r} 243 \\ 23 \overline{) 5591} \\ \underline{5589} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 29 = 192 \text{ remainder } 23$$

$$\begin{array}{r} 192 \\ 29 \overline{) 5591} \\ \underline{5568} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 31 = 180 \text{ remainder } 11$$

$$\begin{array}{r} 180 \\ 31 \overline{) 5591} \end{array}$$

```

5580
----
11 ← remainder

```

$$5591 \div 37 = 151 \text{ remainder } 4$$

```

      151
37 | 5591
    5587
    ----
      4 ← remainder

```

$$5591 \div 41 = 136 \text{ remainder } 15$$

```

      136
41 | 5591
    5576
    ----
     15 ← remainder

```

$$5591 \div 43 = 130 \text{ remainder } 1$$

```

      130
43 | 5591
    5590
    ----
      1 ← remainder

```

$$5591 \div 47 = 118 \text{ remainder } 45$$

```

      118
47 | 5591
    5546
    ----
     45 ← remainder

```

$$5591 \div 53 = 105 \text{ remainder } 26$$

```

      105
53 | 5591
    5565
    ----
     26 ← remainder

```



$$5591 \div 59 = 94 \text{ remainder } 45$$

$$\begin{array}{r} 94 \\ 59 \overline{) 5591} \\ \underline{5546} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 61 = 91 \text{ remainder } 40$$

$$\begin{array}{r} 91 \\ 61 \overline{) 5591} \\ \underline{5551} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 67 = 83 \text{ remainder } 30$$

$$\begin{array}{r} 83 \\ 67 \overline{) 5591} \\ \underline{5561} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 71 = 78 \text{ remainder } 53$$

$$\begin{array}{r} 78 \\ 71 \overline{) 5591} \\ \underline{5538} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$5591 \div 73 = 76 \text{ remainder } 43$$

$$\begin{array}{r} 76 \\ 73 \overline{) 5591} \\ \underline{5548} \\ 43 \end{array} \leftarrow \text{remainder}$$

## **P<sub>739</sub> 5623**

$$5623 \div 2 = 2811 \text{ remainder } 1$$

$$\begin{array}{r} 2811 \\ 2 \overline{) 5623} \\ \underline{5622} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 3 = 1874 \text{ remainder } 1$$

$$\begin{array}{r} 1874 \\ 3 \overline{) 5623} \\ \underline{5622} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 5 = 1124 \text{ remainder } 3$$

$$\begin{array}{r} 1124 \\ 5 \overline{) 5623} \\ \underline{5620} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 7 = 803 \text{ remainder } 2$$

$$\begin{array}{r} 803 \\ 7 \overline{) 5623} \\ \underline{5621} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 11 = 511 \text{ remainder } 2$$

$$\begin{array}{r} 511 \\ 11 \overline{) 5623} \\ \underline{5621} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 13 = 432 \text{ remainder } 7$$

$$\begin{array}{r} 432 \\ 13 \overline{) 5623} \\ \underline{5616} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 17 = 330 \text{ remainder } 13$$

$$\begin{array}{r} 330 \\ 17 \overline{) 5623} \\ \underline{5610} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 19 = 295 \text{ remainder } 18$$

$$\begin{array}{r} 295 \\ 19 \overline{) 5623} \\ \underline{5605} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 23 = 244 \text{ remainder } 11$$

$$\begin{array}{r} 244 \\ 23 \overline{) 5623} \\ \underline{5612} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 29 = 193 \text{ remainder } 26$$

$$\begin{array}{r} 193 \\ 29 \overline{) 5623} \\ \underline{5597} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 31 = 181 \text{ remainder } 12$$

$$\begin{array}{r} 181 \\ 31 \overline{) 5623} \end{array}$$

$$\begin{array}{r} 5611 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5623 \div 37 = 151 \text{ remainder } 36$$

$$\begin{array}{r} 151 \\ 37 \overline{) 5623} \\ \underline{5587} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$5623 \div 41 = 137 \text{ remainder } 6$$

$$\begin{array}{r} 137 \\ 41 \overline{) 5623} \\ \underline{5617} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5623 \div 43 = 130 \text{ remainder } 33$$

$$\begin{array}{r} 130 \\ 43 \overline{) 5623} \\ \underline{5590} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$5623 \div 47 = 119 \text{ remainder } 30$$

$$\begin{array}{r} 119 \\ 47 \overline{) 5623} \\ \underline{5593} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5623 \div 53 = 106 \text{ remainder } 5$$

$$\begin{array}{r} 106 \\ 53 \overline{) 5623} \\ \underline{5618} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5623 \div 59 = 95 \text{ remainder } 18$$

$$\begin{array}{r} 95 \\ 59 \overline{) 5623} \\ \underline{5605} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 61 = 92 \text{ remainder } 11$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5623} \\ \underline{5612} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 67 = 83 \text{ remainder } 62$$

$$\begin{array}{r} 83 \\ 67 \overline{) 5623} \\ \underline{5561} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 71 = 79 \text{ remainder } 14$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5623} \\ \underline{5609} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5623 \div 73 = 77 \text{ remainder } 2$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5623} \\ \underline{5621} \\ 2 \end{array} \leftarrow \text{remainder}$$

## **P<sub>740</sub> 5639**

$$5639 \div 2 = 2819 \text{ remainder } 1$$

$$\begin{array}{r} 2819 \\ 2 \overline{) 5639} \\ \underline{5638} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 3 = 1879 \text{ remainder } 2$$

$$\begin{array}{r} 1879 \\ 3 \overline{) 5639} \\ \underline{5637} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 5 = 1127 \text{ remainder } 4$$

$$\begin{array}{r} 1127 \\ 5 \overline{) 5639} \\ \underline{5635} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 7 = 805 \text{ remainder } 4$$

$$\begin{array}{r} 805 \\ 7 \overline{) 5639} \\ \underline{5635} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 11 = 512 \text{ remainder } 7$$

$$\begin{array}{r} 512 \\ 11 \overline{) 5639} \\ \underline{5632} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 13 = 433 \text{ remainder } 10$$

$$\begin{array}{r} 433 \\ 13 \overline{) 5639} \\ \underline{5629} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 17 = 331 \text{ remainder } 12$$

$$\begin{array}{r} 331 \\ 17 \overline{) 5639} \\ \underline{5627} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 19 = 296 \text{ remainder } 15$$

$$\begin{array}{r} 296 \\ 19 \overline{) 5639} \\ \underline{5624} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 23 = 245 \text{ remainder } 4$$

$$\begin{array}{r} 245 \\ 23 \overline{) 5639} \\ \underline{5635} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 29 = 194 \text{ remainder } 13$$

$$\begin{array}{r} 194 \\ 29 \overline{) 5639} \\ \underline{5626} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 31 = 181 \text{ remainder } 28$$

$$\begin{array}{r} 181 \\ 31 \overline{) 5639} \end{array}$$

$$\begin{array}{r} 5611 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5639 \div 37 = 152 \text{ remainder } 15$$

$$\begin{array}{r} 152 \\ 37 \overline{) 5639} \\ \underline{5624} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5639 \div 41 = 137 \text{ remainder } 22$$

$$\begin{array}{r} 137 \\ 41 \overline{) 5639} \\ \underline{5617} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$5639 \div 43 = 131 \text{ remainder } 6$$

$$\begin{array}{r} 131 \\ 43 \overline{) 5639} \\ \underline{5633} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5639 \div 47 = 119 \text{ remainder } 46$$

$$\begin{array}{r} 119 \\ 47 \overline{) 5639} \\ \underline{5593} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$5639 \div 53 = 106 \text{ remainder } 21$$

$$\begin{array}{r} 106 \\ 53 \overline{) 5639} \\ \underline{5618} \\ 21 \leftarrow \text{remainder} \end{array}$$



$$5639 \div 59 = 95 \text{ remainder } 34$$

$$\begin{array}{r} 95 \\ 59 \overline{) 5639} \\ \underline{5605} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 61 = 92 \text{ remainder } 27$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5639} \\ \underline{5612} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 67 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5639} \\ \underline{5628} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 71 = 79 \text{ remainder } 30$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5639} \\ \underline{5609} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$5639 \div 73 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5639} \\ \underline{5621} \\ 18 \end{array} \leftarrow \text{remainder}$$

## **P<sub>741</sub> 5641**

$$5641 \div 2 = 2820 \text{ remainder } 1$$

$$\begin{array}{r} 2820 \\ 2 \overline{) 5641} \\ \underline{5640} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 3 = 1880 \text{ remainder } 1$$

$$\begin{array}{r} 1880 \\ 3 \overline{) 5641} \\ \underline{5640} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 5 = 1128 \text{ remainder } 1$$

$$\begin{array}{r} 1128 \\ 5 \overline{) 5641} \\ \underline{5640} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 7 = 805 \text{ remainder } 6$$

$$\begin{array}{r} 805 \\ 7 \overline{) 5641} \\ \underline{5635} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 11 = 512 \text{ remainder } 9$$

$$\begin{array}{r} 512 \\ 11 \overline{) 5641} \\ \underline{5632} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 13 = 433 \text{ remainder } 12$$

$$\begin{array}{r} 433 \\ 13 \overline{) 5641} \\ \underline{5629} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 17 = 331 \text{ remainder } 14$$

$$\begin{array}{r} 331 \\ 17 \overline{) 5641} \\ \underline{5627} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 19 = 296 \text{ remainder } 17$$

$$\begin{array}{r} 296 \\ 19 \overline{) 5641} \\ \underline{5624} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 23 = 245 \text{ remainder } 6$$

$$\begin{array}{r} 245 \\ 23 \overline{) 5641} \\ \underline{5635} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 29 = 194 \text{ remainder } 15$$

$$\begin{array}{r} 194 \\ 29 \overline{) 5641} \\ \underline{5626} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 31 = 181 \text{ remainder } 30$$

$$\begin{array}{r} 181 \\ 31 \overline{) 5641} \end{array}$$

$$\begin{array}{r} 5611 \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5641 \div 37 = 152 \text{ remainder } 17$$

$$\begin{array}{r} 152 \\ 37 \overline{) 5641} \\ \underline{5624} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5641 \div 41 = 137 \text{ remainder } 24$$

$$\begin{array}{r} 137 \\ 41 \overline{) 5641} \\ \underline{5617} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5641 \div 43 = 131 \text{ remainder } 8$$

$$\begin{array}{r} 131 \\ 43 \overline{) 5641} \\ \underline{5633} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5641 \div 47 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 47 \overline{) 5641} \\ \underline{5640} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5641 \div 53 = 106 \text{ remainder } 23$$

$$\begin{array}{r} 106 \\ 53 \overline{) 5641} \\ \underline{5618} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5641 \div 59 = 95 \text{ remainder } 36$$

$$\begin{array}{r} 95 \\ 59 \overline{) 5641} \\ \underline{5605} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 61 = 92 \text{ remainder } 29$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5641} \\ \underline{5612} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 67 = 84 \text{ remainder } 13$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5641} \\ \underline{5628} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 71 = 79 \text{ remainder } 32$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5641} \\ \underline{5609} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$5641 \div 73 = 77 \text{ remainder } 20$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5641} \\ \underline{5621} \\ 20 \end{array} \leftarrow \text{remainder}$$

## **P<sub>742</sub> 5647**

$$5647 \div 2 = 2823 \text{ remainder } 1$$

$$\begin{array}{r} 2823 \\ 2 \overline{) 5647} \\ \underline{5646} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 3 = 1882 \text{ remainder } 1$$

$$\begin{array}{r} 1882 \\ 3 \overline{) 5647} \\ \underline{5646} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 5 = 1129 \text{ remainder } 2$$

$$\begin{array}{r} 1129 \\ 5 \overline{) 5647} \\ \underline{5645} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 7 = 806 \text{ remainder } 5$$

$$\begin{array}{r} 806 \\ 7 \overline{) 5647} \\ \underline{5642} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 11 = 513 \text{ remainder } 4$$

$$\begin{array}{r} 513 \\ 11 \overline{) 5647} \\ \underline{5643} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 13 = 434 \text{ remainder } 5$$

$$\begin{array}{r} 434 \\ 13 \overline{) 5647} \\ \underline{5642} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 17 = 332 \text{ remainder } 3$$

$$\begin{array}{r} 332 \\ 17 \overline{) 5647} \\ \underline{5644} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 19 = 297 \text{ remainder } 4$$

$$\begin{array}{r} 297 \\ 19 \overline{) 5647} \\ \underline{5643} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 23 = 245 \text{ remainder } 12$$

$$\begin{array}{r} 245 \\ 23 \overline{) 5647} \\ \underline{5635} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 29 = 194 \text{ remainder } 21$$

$$\begin{array}{r} 194 \\ 29 \overline{) 5647} \\ \underline{5626} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 31 = 182 \text{ remainder } 5$$

$$\begin{array}{r} 182 \\ 31 \overline{) 5647} \end{array}$$

$$\begin{array}{r} 5642 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5647 \div 37 = 152 \text{ remainder } 23$$

$$\begin{array}{r} 152 \\ 37 \overline{) 5647} \\ \underline{5624} \phantom{00} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5647 \div 41 = 137 \text{ remainder } 30$$

$$\begin{array}{r} 137 \\ 41 \overline{) 5647} \\ \underline{5617} \phantom{00} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5647 \div 43 = 131 \text{ remainder } 14$$

$$\begin{array}{r} 131 \\ 43 \overline{) 5647} \\ \underline{5633} \phantom{00} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5647 \div 47 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 47 \overline{) 5647} \\ \underline{5640} \phantom{00} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5647 \div 53 = 106 \text{ remainder } 29$$

$$\begin{array}{r} 106 \\ 53 \overline{) 5647} \\ \underline{5618} \phantom{00} \\ 29 \leftarrow \text{remainder} \end{array}$$



$$5647 \div 59 = 95 \text{ remainder } 42$$

$$\begin{array}{r} 95 \\ 59 \overline{) 5647} \\ \underline{5605} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 61 = 92 \text{ remainder } 35$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5647} \\ \underline{5612} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 67 = 84 \text{ remainder } 19$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5647} \\ \underline{5628} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 71 = 79 \text{ remainder } 38$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5647} \\ \underline{5609} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$5647 \div 73 = 77 \text{ remainder } 26$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5647} \\ \underline{5621} \\ 26 \end{array} \leftarrow \text{remainder}$$

## **P<sub>743</sub> 5651**

$$5651 \div 2 = 2825 \text{ remainder } 1$$

$$\begin{array}{r} 2825 \\ 2 \overline{) 5651} \\ \underline{5650} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 3 = 1883 \text{ remainder } 2$$

$$\begin{array}{r} 1883 \\ 3 \overline{) 5651} \\ \underline{5649} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 5 = 1130 \text{ remainder } 1$$

$$\begin{array}{r} 1130 \\ 5 \overline{) 5651} \\ \underline{5650} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 7 = 807 \text{ remainder } 2$$

$$\begin{array}{r} 807 \\ 7 \overline{) 5651} \\ \underline{5649} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 11 = 513 \text{ remainder } 8$$

$$\begin{array}{r} 513 \\ 11 \overline{) 5651} \\ \underline{5643} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 13 = 434 \text{ remainder } 9$$

$$\begin{array}{r} 434 \\ 13 \overline{) 5651} \\ \underline{5642} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 17 = 332 \text{ remainder } 7$$

$$\begin{array}{r} 332 \\ 17 \overline{) 5651} \\ \underline{5644} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 19 = 297 \text{ remainder } 8$$

$$\begin{array}{r} 297 \\ 19 \overline{) 5651} \\ \underline{5643} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 23 = 245 \text{ remainder } 16$$

$$\begin{array}{r} 245 \\ 23 \overline{) 5651} \\ \underline{5635} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 29 = 194 \text{ remainder } 25$$

$$\begin{array}{r} 194 \\ 29 \overline{) 5651} \\ \underline{5626} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 31 = 182 \text{ remainder } 9$$

$$\begin{array}{r} 182 \\ 31 \overline{) 5651} \end{array}$$

5642

----

9 ← remainder

$$5651 \div 37 = 152 \text{ remainder } 27$$

$$\begin{array}{r} 152 \\ 37 \overline{) 5651} \\ \underline{5624} \end{array}$$

----

27 ← remainder

$$5651 \div 41 = 137 \text{ remainder } 34$$

$$\begin{array}{r} 137 \\ 41 \overline{) 5651} \\ \underline{5617} \end{array}$$

----

34 ← remainder

$$5651 \div 43 = 131 \text{ remainder } 18$$

$$\begin{array}{r} 131 \\ 43 \overline{) 5651} \\ \underline{5633} \end{array}$$

----

18 ← remainder

$$5651 \div 47 = 120 \text{ remainder } 11$$

$$\begin{array}{r} 120 \\ 47 \overline{) 5651} \\ \underline{5640} \end{array}$$

----

11 ← remainder

$$5651 \div 53 = 106 \text{ remainder } 33$$

$$\begin{array}{r} 106 \\ 53 \overline{) 5651} \\ \underline{5618} \end{array}$$

----

33 ← remainder

$$5651 \div 59 = 95 \text{ remainder } 46$$

$$\begin{array}{r} 95 \\ 59 \overline{) 5651} \\ \underline{5605} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 61 = 92 \text{ remainder } 39$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5651} \\ \underline{5612} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 67 = 84 \text{ remainder } 23$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5651} \\ \underline{5628} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 71 = 79 \text{ remainder } 42$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5651} \\ \underline{5609} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$5651 \div 73 = 77 \text{ remainder } 30$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5651} \\ \underline{5621} \\ 30 \end{array} \leftarrow \text{remainder}$$

## **P<sub>744</sub> 5653**

$$5653 \div 2 = 2826 \text{ remainder } 1$$

$$\begin{array}{r} 2826 \\ 2 \overline{) 5653} \\ \underline{5652} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 3 = 1884 \text{ remainder } 1$$

$$\begin{array}{r} 1884 \\ 3 \overline{) 5653} \\ \underline{5652} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 5 = 1130 \text{ remainder } 3$$

$$\begin{array}{r} 1130 \\ 5 \overline{) 5653} \\ \underline{5650} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 7 = 807 \text{ remainder } 4$$

$$\begin{array}{r} 807 \\ 7 \overline{) 5653} \\ \underline{5649} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 11 = 513 \text{ remainder } 10$$

$$\begin{array}{r} 513 \\ 11 \overline{) 5653} \\ \underline{5643} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 13 = 434 \text{ remainder } 11$$

$$\begin{array}{r} 434 \\ 13 \overline{) 5653} \\ \underline{5642} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 17 = 332 \text{ remainder } 9$$

$$\begin{array}{r} 332 \\ 17 \overline{) 5653} \\ \underline{5644} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 19 = 297 \text{ remainder } 10$$

$$\begin{array}{r} 297 \\ 19 \overline{) 5653} \\ \underline{5643} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 23 = 245 \text{ remainder } 18$$

$$\begin{array}{r} 245 \\ 23 \overline{) 5653} \\ \underline{5635} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 29 = 194 \text{ remainder } 27$$

$$\begin{array}{r} 194 \\ 29 \overline{) 5653} \\ \underline{5626} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 31 = 182 \text{ remainder } 11$$

$$\begin{array}{r} 182 \\ 31 \overline{) 5653} \end{array}$$

5642

----

11 ← remainder

$5653 \div 37 = 152 \text{ remainder } 29$

152  
37 | 5653  
5624

----

29 ← remainder

$5653 \div 41 = 137 \text{ remainder } 36$

137  
41 | 5653  
5617

----

36 ← remainder

$5653 \div 43 = 131 \text{ remainder } 20$

131  
43 | 5653  
5633

----

20 ← remainder

$5653 \div 47 = 120 \text{ remainder } 13$

120  
47 | 5653  
5640

----

13 ← remainder

$5653 \div 53 = 106 \text{ remainder } 35$

106  
53 | 5653  
5618

----

35 ← remainder



$$5653 \div 59 = 95 \text{ remainder } 48$$

$$\begin{array}{r} 95 \\ 59 \overline{) 5653} \\ \underline{5605} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 61 = 92 \text{ remainder } 41$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5653} \\ \underline{5612} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 67 = 84 \text{ remainder } 25$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5653} \\ \underline{5628} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 71 = 79 \text{ remainder } 44$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5653} \\ \underline{5609} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5653 \div 73 = 77 \text{ remainder } 32$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5653} \\ \underline{5621} \\ 32 \end{array} \leftarrow \text{remainder}$$

## **P<sub>745</sub> 5657**

$$5657 \div 2 = 2828 \text{ remainder } 1$$

$$\begin{array}{r} 2828 \\ 2 \overline{) 5657} \\ \underline{5656} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 3 = 1885 \text{ remainder } 2$$

$$\begin{array}{r} 1885 \\ 3 \overline{) 5657} \\ \underline{5655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 5 = 1131 \text{ remainder } 2$$

$$\begin{array}{r} 1131 \\ 5 \overline{) 5657} \\ \underline{5655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 7 = 808 \text{ remainder } 1$$

$$\begin{array}{r} 808 \\ 7 \overline{) 5657} \\ \underline{5656} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 11 = 514 \text{ remainder } 3$$

$$\begin{array}{r} 514 \\ 11 \overline{) 5657} \\ \underline{5654} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 13 = 435 \text{ remainder } 2$$

$$\begin{array}{r} 435 \\ 13 \overline{) 5657} \\ \underline{5655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 17 = 332 \text{ remainder } 13$$

$$\begin{array}{r} 332 \\ 17 \overline{) 5657} \\ \underline{5644} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 19 = 297 \text{ remainder } 14$$

$$\begin{array}{r} 297 \\ 19 \overline{) 5657} \\ \underline{5643} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 23 = 245 \text{ remainder } 22$$

$$\begin{array}{r} 245 \\ 23 \overline{) 5657} \\ \underline{5635} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 29 = 195 \text{ remainder } 2$$

$$\begin{array}{r} 195 \\ 29 \overline{) 5657} \\ \underline{5655} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 31 = 182 \text{ remainder } 15$$

$$\begin{array}{r} 182 \\ 31 \overline{) 5657} \end{array}$$

$$\begin{array}{r} 5642 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5657 \div 37 = 152 \text{ remainder } 33$$

$$\begin{array}{r} 152 \\ 37 \overline{) 5657} \\ \underline{5624} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$5657 \div 41 = 137 \text{ remainder } 40$$

$$\begin{array}{r} 137 \\ 41 \overline{) 5657} \\ \underline{5617} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$5657 \div 43 = 131 \text{ remainder } 24$$

$$\begin{array}{r} 131 \\ 43 \overline{) 5657} \\ \underline{5633} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5657 \div 47 = 120 \text{ remainder } 17$$

$$\begin{array}{r} 120 \\ 47 \overline{) 5657} \\ \underline{5640} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5657 \div 53 = 106 \text{ remainder } 39$$

$$\begin{array}{r} 106 \\ 53 \overline{) 5657} \\ \underline{5618} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$5657 \div 59 = 95 \text{ remainder } 52$$

$$\begin{array}{r} 95 \\ 59 \overline{) 5657} \\ \underline{5605} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 61 = 92 \text{ remainder } 45$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5657} \\ \underline{5612} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 67 = 84 \text{ remainder } 29$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5657} \\ \underline{5628} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 71 = 79 \text{ remainder } 48$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5657} \\ \underline{5609} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$5657 \div 73 = 77 \text{ remainder } 36$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5657} \\ \underline{5621} \\ 36 \end{array} \leftarrow \text{remainder}$$

## **P<sub>746</sub> 5659**

$$5659 \div 2 = 2829 \text{ remainder } 1$$

$$\begin{array}{r} 2829 \\ 2 \overline{) 5659} \\ \underline{5658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 3 = 1886 \text{ remainder } 1$$

$$\begin{array}{r} 1886 \\ 3 \overline{) 5659} \\ \underline{5658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 5 = 1131 \text{ remainder } 4$$

$$\begin{array}{r} 1131 \\ 5 \overline{) 5659} \\ \underline{5655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 7 = 808 \text{ remainder } 3$$

$$\begin{array}{r} 808 \\ 7 \overline{) 5659} \\ \underline{5656} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 11 = 514 \text{ remainder } 5$$

$$\begin{array}{r} 514 \\ 11 \overline{) 5659} \\ \underline{5654} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 13 = 435 \text{ remainder } 4$$

$$\begin{array}{r} 435 \\ 13 \overline{) 5659} \\ \underline{5655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 17 = 332 \text{ remainder } 15$$

$$\begin{array}{r} 332 \\ 17 \overline{) 5659} \\ \underline{5644} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 19 = 297 \text{ remainder } 16$$

$$\begin{array}{r} 297 \\ 19 \overline{) 5659} \\ \underline{5643} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 23 = 246 \text{ remainder } 1$$

$$\begin{array}{r} 246 \\ 23 \overline{) 5659} \\ \underline{5658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 29 = 195 \text{ remainder } 4$$

$$\begin{array}{r} 195 \\ 29 \overline{) 5659} \\ \underline{5655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 31 = 182 \text{ remainder } 17$$

$$\begin{array}{r} 182 \\ 31 \overline{) 5659} \end{array}$$

$$\begin{array}{r} 5642 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5659 \div 37 = 152 \text{ remainder } 35$$

$$\begin{array}{r} 152 \\ 37 \mid \overline{5659} \\ \underline{5624} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$5659 \div 41 = 138 \text{ remainder } 1$$

$$\begin{array}{r} 138 \\ 41 \mid \overline{5659} \\ \underline{5658} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5659 \div 43 = 131 \text{ remainder } 26$$

$$\begin{array}{r} 131 \\ 43 \mid \overline{5659} \\ \underline{5633} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$5659 \div 47 = 120 \text{ remainder } 19$$

$$\begin{array}{r} 120 \\ 47 \mid \overline{5659} \\ \underline{5640} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5659 \div 53 = 106 \text{ remainder } 41$$

$$\begin{array}{r} 106 \\ 53 \mid \overline{5659} \\ \underline{5618} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$



$$5659 \div 59 = 95 \text{ remainder } 54$$

$$\begin{array}{r} 95 \\ 59 \overline{) 5659} \\ \underline{5605} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 61 = 92 \text{ remainder } 47$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5659} \\ \underline{5612} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 67 = 84 \text{ remainder } 31$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5659} \\ \underline{5628} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 71 = 79 \text{ remainder } 50$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5659} \\ \underline{5609} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$5659 \div 73 = 77 \text{ remainder } 38$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5659} \\ \underline{5621} \\ 38 \end{array} \leftarrow \text{remainder}$$

## **P<sub>747</sub> 5669**

$$5669 \div 2 = 2834 \text{ remainder } 1$$

$$\begin{array}{r} 2834 \\ 2 \overline{) 5669} \\ \underline{5668} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 3 = 1889 \text{ remainder } 2$$

$$\begin{array}{r} 1889 \\ 3 \overline{) 5669} \\ \underline{5667} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 5 = 1133 \text{ remainder } 4$$

$$\begin{array}{r} 1133 \\ 5 \overline{) 5669} \\ \underline{5665} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 7 = 809 \text{ remainder } 6$$

$$\begin{array}{r} 809 \\ 7 \overline{) 5669} \\ \underline{5663} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 11 = 515 \text{ remainder } 4$$

$$\begin{array}{r} 515 \\ 11 \overline{) 5669} \\ \underline{5665} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 13 = 436 \text{ remainder } 1$$

$$\begin{array}{r} 436 \\ 13 \overline{) 5669} \\ \underline{5668} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 17 = 333 \text{ remainder } 8$$

$$\begin{array}{r} 333 \\ 17 \overline{) 5669} \\ \underline{5661} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 19 = 298 \text{ remainder } 7$$

$$\begin{array}{r} 298 \\ 19 \overline{) 5669} \\ \underline{5662} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 23 = 246 \text{ remainder } 11$$

$$\begin{array}{r} 246 \\ 23 \overline{) 5669} \\ \underline{5658} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 29 = 195 \text{ remainder } 14$$

$$\begin{array}{r} 195 \\ 29 \overline{) 5669} \\ \underline{5655} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 31 = 182 \text{ remainder } 27$$

$$\begin{array}{r} 182 \\ 31 \overline{) 5669} \end{array}$$

$$\begin{array}{r} 5642 \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$5669 \div 37 = 153 \text{ remainder } 8$$

$$\begin{array}{r} 153 \\ 37 \overline{) 5669} \\ \underline{5661} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5669 \div 41 = 138 \text{ remainder } 11$$

$$\begin{array}{r} 138 \\ 41 \overline{) 5669} \\ \underline{5658} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5669 \div 43 = 131 \text{ remainder } 36$$

$$\begin{array}{r} 131 \\ 43 \overline{) 5669} \\ \underline{5633} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$5669 \div 47 = 120 \text{ remainder } 29$$

$$\begin{array}{r} 120 \\ 47 \overline{) 5669} \\ \underline{5640} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5669 \div 53 = 106 \text{ remainder } 51$$

$$\begin{array}{r} 106 \\ 53 \overline{) 5669} \\ \underline{5618} \\ \text{----} \\ 51 \leftarrow \text{remainder} \end{array}$$

$$5669 \div 59 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 59 \overline{) 5669} \\ \underline{5664} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 61 = 92 \text{ remainder } 57$$

$$\begin{array}{r} 92 \\ 61 \overline{) 5669} \\ \underline{5612} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 67 = 84 \text{ remainder } 41$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5669} \\ \underline{5628} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 71 = 79 \text{ remainder } 60$$

$$\begin{array}{r} 79 \\ 71 \overline{) 5669} \\ \underline{5609} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$5669 \div 73 = 77 \text{ remainder } 48$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5669} \\ \underline{5621} \\ 48 \end{array} \leftarrow \text{remainder}$$

## **P<sub>748</sub> 5683**

$$5683 \div 2 = 2841 \text{ remainder } 1$$

$$\begin{array}{r} 2841 \\ 2 \overline{) 5683} \\ \underline{5682} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 3 = 1894 \text{ remainder } 1$$

$$\begin{array}{r} 1894 \\ 3 \overline{) 5683} \\ \underline{5682} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 5 = 1136 \text{ remainder } 3$$

$$\begin{array}{r} 1136 \\ 5 \overline{) 5683} \\ \underline{5680} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 7 = 811 \text{ remainder } 6$$

$$\begin{array}{r} 811 \\ 7 \overline{) 5683} \\ \underline{5677} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 11 = 516 \text{ remainder } 7$$

$$\begin{array}{r} 516 \\ 11 \overline{) 5683} \\ \underline{5676} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 13 = 437 \text{ remainder } 2$$

$$\begin{array}{r} 437 \\ 13 \overline{) 5683} \\ \underline{5681} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 17 = 334 \text{ remainder } 5$$

$$\begin{array}{r} 334 \\ 17 \overline{) 5683} \\ \underline{5678} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 19 = 299 \text{ remainder } 2$$

$$\begin{array}{r} 299 \\ 19 \overline{) 5683} \\ \underline{5681} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 23 = 247 \text{ remainder } 2$$

$$\begin{array}{r} 247 \\ 23 \overline{) 5683} \\ \underline{5681} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 29 = 195 \text{ remainder } 28$$

$$\begin{array}{r} 195 \\ 29 \overline{) 5683} \\ \underline{5655} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 31 = 183 \text{ remainder } 10$$

$$\begin{array}{r} 183 \\ 31 \overline{) 5683} \end{array}$$

5673

----

10 ← remainder

$$5683 \div 37 = 153 \text{ remainder } 22$$

$$\begin{array}{r} 153 \\ 37 \overline{) 5683} \\ \underline{5661} \end{array}$$

----

22 ← remainder

$$5683 \div 41 = 138 \text{ remainder } 25$$

$$\begin{array}{r} 138 \\ 41 \overline{) 5683} \\ \underline{5658} \end{array}$$

----

25 ← remainder

$$5683 \div 43 = 132 \text{ remainder } 7$$

$$\begin{array}{r} 132 \\ 43 \overline{) 5683} \\ \underline{5676} \end{array}$$

----

7 ← remainder

$$5683 \div 47 = 120 \text{ remainder } 43$$

$$\begin{array}{r} 120 \\ 47 \overline{) 5683} \\ \underline{5640} \end{array}$$

----

43 ← remainder

$$5683 \div 53 = 107 \text{ remainder } 12$$

$$\begin{array}{r} 107 \\ 53 \overline{) 5683} \\ \underline{5671} \end{array}$$

----

12 ← remainder



$$5683 \div 59 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 59 \overline{) 5683} \\ \underline{5664} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 61 = 93 \text{ remainder } 10$$

$$\begin{array}{r} 93 \\ 61 \overline{) 5683} \\ \underline{5673} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 67 = 84 \text{ remainder } 55$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5683} \\ \underline{5628} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 71 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5683} \\ \underline{5680} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5683 \div 73 = 77 \text{ remainder } 62$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5683} \\ \underline{5621} \\ 62 \end{array} \leftarrow \text{remainder}$$

## **P<sub>749</sub> 5689**

$$5689 \div 2 = 2844 \text{ remainder } 1$$

$$\begin{array}{r} 2844 \\ 2 \overline{) 5689} \\ \underline{5688} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 3 = 1896 \text{ remainder } 1$$

$$\begin{array}{r} 1896 \\ 3 \overline{) 5689} \\ \underline{5688} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 5 = 1137 \text{ remainder } 4$$

$$\begin{array}{r} 1137 \\ 5 \overline{) 5689} \\ \underline{5685} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 7 = 812 \text{ remainder } 5$$

$$\begin{array}{r} 812 \\ 7 \overline{) 5689} \\ \underline{5684} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 11 = 517 \text{ remainder } 2$$

$$\begin{array}{r} 517 \\ 11 \overline{) 5689} \\ \underline{5687} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 13 = 437 \text{ remainder } 8$$

$$\begin{array}{r} 437 \\ 13 \overline{) 5689} \\ \underline{5681} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 17 = 334 \text{ remainder } 11$$

$$\begin{array}{r} 334 \\ 17 \overline{) 5689} \\ \underline{5678} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 19 = 299 \text{ remainder } 8$$

$$\begin{array}{r} 299 \\ 19 \overline{) 5689} \\ \underline{5681} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 23 = 247 \text{ remainder } 8$$

$$\begin{array}{r} 247 \\ 23 \overline{) 5689} \\ \underline{5681} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 29 = 196 \text{ remainder } 5$$

$$\begin{array}{r} 196 \\ 29 \overline{) 5689} \\ \underline{5684} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 31 = 183 \text{ remainder } 16$$

$$\begin{array}{r} 183 \\ 31 \overline{) 5689} \end{array}$$

$$\begin{array}{r} 5673 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5689 \div 37 = 153 \text{ remainder } 28$$

$$\begin{array}{r} 153 \\ 37 \overline{) 5689} \\ \underline{5661} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5689 \div 41 = 138 \text{ remainder } 31$$

$$\begin{array}{r} 138 \\ 41 \overline{) 5689} \\ \underline{5658} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$5689 \div 43 = 132 \text{ remainder } 13$$

$$\begin{array}{r} 132 \\ 43 \overline{) 5689} \\ \underline{5676} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5689 \div 47 = 121 \text{ remainder } 2$$

$$\begin{array}{r} 121 \\ 47 \overline{) 5689} \\ \underline{5687} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5689 \div 53 = 107 \text{ remainder } 18$$

$$\begin{array}{r} 107 \\ 53 \overline{) 5689} \\ \underline{5671} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5689 \div 59 = 96 \text{ remainder } 25$$

$$\begin{array}{r} 96 \\ 59 \overline{) 5689} \\ \underline{5664} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 61 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 61 \overline{) 5689} \\ \underline{5673} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 67 = 84 \text{ remainder } 61$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5689} \\ \underline{5628} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 71 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5689} \\ \underline{5680} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5689 \div 73 = 77 \text{ remainder } 68$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5689} \\ \underline{5621} \\ 68 \end{array} \leftarrow \text{remainder}$$

## **P<sub>750</sub> 5693**

$$5693 \div 2 = 2846 \text{ remainder } 1$$

$$\begin{array}{r} 2846 \text{ ---} \\ 2 \mid 5693 \\ \underline{5692} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5693 \div 3 = 1897 \text{ remainder } 2$$

$$\begin{array}{r} 1897 \text{ ---} \\ 3 \mid 5693 \\ \underline{5691} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5693 \div 5 = 1138 \text{ remainder } 3$$

$$\begin{array}{r} 1138 \text{ ---} \\ 5 \mid 5693 \\ \underline{5690} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5693 \div 7 = 813 \text{ remainder } 2$$

$$\begin{array}{r} 813 \text{ ---} \\ 7 \mid 5693 \\ \underline{5691} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5693 \div 11 = 517 \text{ remainder } 6$$

$$\begin{array}{r} 517 \text{ ---} \\ 11 \mid 5693 \\ \underline{5687} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5693 \div 13 = 437 \text{ remainder } 12$$

$$\begin{array}{r} 437 \\ 13 \overline{) 5693} \\ \underline{5681} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 17 = 334 \text{ remainder } 15$$

$$\begin{array}{r} 334 \\ 17 \overline{) 5693} \\ \underline{5678} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 19 = 299 \text{ remainder } 12$$

$$\begin{array}{r} 299 \\ 19 \overline{) 5693} \\ \underline{5681} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 23 = 247 \text{ remainder } 12$$

$$\begin{array}{r} 247 \\ 23 \overline{) 5693} \\ \underline{5681} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 29 = 196 \text{ remainder } 9$$

$$\begin{array}{r} 196 \\ 29 \overline{) 5693} \\ \underline{5684} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 31 = 183 \text{ remainder } 20$$

$$\begin{array}{r} 183 \\ 31 \overline{) 5693} \end{array}$$

5673

----

20 ← remainder

$$5693 \div 37 = 153 \text{ remainder } 32$$

153  
37 | 5693  
5661  
----

32 ← remainder

$$5693 \div 41 = 138 \text{ remainder } 35$$

138  
41 | 5693  
5658  
----

35 ← remainder

$$5693 \div 43 = 132 \text{ remainder } 17$$

132  
43 | 5693  
5676  
----

17 ← remainder

$$5693 \div 47 = 121 \text{ remainder } 6$$

121  
47 | 5693  
5687  
----

6 ← remainder

$$5693 \div 53 = 107 \text{ remainder } 22$$

107  
53 | 5693  
5671  
----

22 ← remainder



$$5693 \div 59 = 96 \text{ remainder } 29$$

$$\begin{array}{r} 96 \\ 59 \overline{) 5693} \\ \underline{5664} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 61 = 93 \text{ remainder } 20$$

$$\begin{array}{r} 93 \\ 61 \overline{) 5693} \\ \underline{5673} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 67 = 84 \text{ remainder } 65$$

$$\begin{array}{r} 84 \\ 67 \overline{) 5693} \\ \underline{5628} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 71 = 80 \text{ remainder } 13$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5693} \\ \underline{5680} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5693 \div 73 = 77 \text{ remainder } 72$$

$$\begin{array}{r} 77 \\ 73 \overline{) 5693} \\ \underline{5621} \\ 72 \end{array} \leftarrow \text{remainder}$$

## **P<sub>751</sub> 5701**

$$5701 \div 2 = 2850 \text{ remainder } 1$$

$$\begin{array}{r} 2850 \\ 2 \overline{) 5701} \\ \underline{5700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 3 = 1900 \text{ remainder } 1$$

$$\begin{array}{r} 1900 \\ 3 \overline{) 5701} \\ \underline{5700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 5 = 1140 \text{ remainder } 1$$

$$\begin{array}{r} 1140 \\ 5 \overline{) 5701} \\ \underline{5700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 7 = 814 \text{ remainder } 3$$

$$\begin{array}{r} 814 \\ 7 \overline{) 5701} \\ \underline{5698} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 11 = 518 \text{ remainder } 3$$

$$\begin{array}{r} 518 \\ 11 \overline{) 5701} \\ \underline{5698} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 13 = 438 \text{ remainder } 7$$

$$\begin{array}{r} 438 \\ 13 \overline{) 5701} \\ \underline{5694} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 17 = 335 \text{ remainder } 6$$

$$\begin{array}{r} 335 \\ 17 \overline{) 5701} \\ \underline{5695} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 19 = 300 \text{ remainder } 1$$

$$\begin{array}{r} 300 \\ 19 \overline{) 5701} \\ \underline{5700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 23 = 247 \text{ remainder } 20$$

$$\begin{array}{r} 247 \\ 23 \overline{) 5701} \\ \underline{5681} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 29 = 196 \text{ remainder } 17$$

$$\begin{array}{r} 196 \\ 29 \overline{) 5701} \\ \underline{5684} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 31 = 183 \text{ remainder } 28$$

$$\begin{array}{r} 183 \\ 31 \overline{) 5701} \end{array}$$

$$\begin{array}{r} 5673 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5701 \div 37 = 154 \text{ remainder } 3$$

$$\begin{array}{r} 154 \\ 37 \overline{) 5701} \\ \underline{5698} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5701 \div 41 = 139 \text{ remainder } 2$$

$$\begin{array}{r} 139 \\ 41 \overline{) 5701} \\ \underline{5699} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5701 \div 43 = 132 \text{ remainder } 25$$

$$\begin{array}{r} 132 \\ 43 \overline{) 5701} \\ \underline{5676} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5701 \div 47 = 121 \text{ remainder } 14$$

$$\begin{array}{r} 121 \\ 47 \overline{) 5701} \\ \underline{5687} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5701 \div 53 = 107 \text{ remainder } 30$$

$$\begin{array}{r} 107 \\ 53 \overline{) 5701} \\ \underline{5671} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5701 \div 59 = 96 \text{ remainder } 37$$

$$\begin{array}{r} 96 \\ 59 \overline{) 5701} \\ \underline{5664} \phantom{00} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 61 = 93 \text{ remainder } 28$$

$$\begin{array}{r} 93 \\ 61 \overline{) 5701} \\ \underline{5673} \phantom{00} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 67 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 67 \overline{) 5701} \\ \underline{5695} \phantom{00} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 71 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5701} \\ \underline{5680} \phantom{00} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5701 \div 73 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 73 \overline{) 5701} \\ \underline{5694} \phantom{00} \\ 7 \end{array} \leftarrow \text{remainder}$$

## **P<sub>752</sub> 5711**

$$5711 \div 2 = 2855 \text{ remainder } 1$$

$$\begin{array}{r} 2855 \\ 2 \overline{) 5711} \\ \underline{5710} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 3 = 1903 \text{ remainder } 2$$

$$\begin{array}{r} 1903 \\ 3 \overline{) 5711} \\ \underline{5709} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 5 = 1142 \text{ remainder } 1$$

$$\begin{array}{r} 1142 \\ 5 \overline{) 5711} \\ \underline{5710} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 7 = 815 \text{ remainder } 6$$

$$\begin{array}{r} 815 \\ 7 \overline{) 5711} \\ \underline{5705} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 11 = 519 \text{ remainder } 2$$

$$\begin{array}{r} 519 \\ 11 \overline{) 5711} \\ \underline{5709} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 13 = 439 \text{ remainder } 4$$

$$\begin{array}{r} 439 \\ 13 \overline{) 5711} \\ \underline{5707} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 17 = 335 \text{ remainder } 16$$

$$\begin{array}{r} 335 \\ 17 \overline{) 5711} \\ \underline{5695} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 19 = 300 \text{ remainder } 11$$

$$\begin{array}{r} 300 \\ 19 \overline{) 5711} \\ \underline{5700} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 23 = 248 \text{ remainder } 7$$

$$\begin{array}{r} 248 \\ 23 \overline{) 5711} \\ \underline{5704} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 29 = 196 \text{ remainder } 27$$

$$\begin{array}{r} 196 \\ 29 \overline{) 5711} \\ \underline{5684} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5711 \div 31 = 184 \text{ remainder } 7$$

$$\begin{array}{r} 184 \\ 31 \overline{) 5711} \end{array}$$

$$\begin{array}{r} 5704 \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5711 \div 37 = 154 \text{ remainder } 13$$

$$\begin{array}{r} 154 \\ 37 \overline{) 5711} \\ \underline{5698} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5711 \div 41 = 139 \text{ remainder } 12$$

$$\begin{array}{r} 139 \\ 41 \overline{) 5711} \\ \underline{5699} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5711 \div 43 = 132 \text{ remainder } 35$$

$$\begin{array}{r} 132 \\ 43 \overline{) 5711} \\ \underline{5676} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$5711 \div 47 = 121 \text{ remainder } 24$$

$$\begin{array}{r} 121 \\ 47 \overline{) 5711} \\ \underline{5687} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5711 \div 53 = 107 \text{ remainder } 40$$

$$\begin{array}{r} 107 \\ 53 \overline{) 5711} \\ \underline{5671} \\ 40 \leftarrow \text{remainder} \end{array}$$



$$5711 \div 59 = 96 \text{ remainder } 47$$

$$\begin{array}{r} 96 \\ 59 \overline{) 5711} \\ \underline{5664} \phantom{00} \\ 47 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5711 \div 61 = 93 \text{ remainder } 38$$

$$\begin{array}{r} 93 \\ 61 \overline{) 5711} \\ \underline{5673} \phantom{00} \\ 38 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5711 \div 67 = 85 \text{ remainder } 16$$

$$\begin{array}{r} 85 \\ 67 \overline{) 5711} \\ \underline{5695} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5711 \div 71 = 80 \text{ remainder } 31$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5711} \\ \underline{5680} \phantom{00} \\ 31 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5711 \div 73 = 78 \text{ remainder } 17$$

$$\begin{array}{r} 78 \\ 73 \overline{) 5711} \\ \underline{5694} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>753</sub> 5717**

$$5717 \div 2 = 2858 \text{ remainder } 1$$

$$\begin{array}{r} 2858 \\ 2 \overline{) 5717} \\ \underline{5716} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 3 = 1905 \text{ remainder } 2$$

$$\begin{array}{r} 1905 \\ 3 \overline{) 5717} \\ \underline{5715} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 5 = 1143 \text{ remainder } 2$$

$$\begin{array}{r} 1143 \\ 5 \overline{) 5717} \\ \underline{5715} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 7 = 816 \text{ remainder } 5$$

$$\begin{array}{r} 816 \\ 7 \overline{) 5717} \\ \underline{5712} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 11 = 519 \text{ remainder } 8$$

$$\begin{array}{r} 519 \\ 11 \overline{) 5717} \\ \underline{5709} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 13 = 439 \text{ remainder } 10$$

$$\begin{array}{r} 439 \\ 13 \overline{) 5717} \\ \underline{5707} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 17 = 336 \text{ remainder } 5$$

$$\begin{array}{r} 336 \\ 17 \overline{) 5717} \\ \underline{5712} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 19 = 300 \text{ remainder } 17$$

$$\begin{array}{r} 300 \\ 19 \overline{) 5717} \\ \underline{5700} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 23 = 248 \text{ remainder } 13$$

$$\begin{array}{r} 248 \\ 23 \overline{) 5717} \\ \underline{5704} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 29 = 197 \text{ remainder } 4$$

$$\begin{array}{r} 197 \\ 29 \overline{) 5717} \\ \underline{5713} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 31 = 184 \text{ remainder } 13$$

$$\begin{array}{r} 184 \\ 31 \overline{) 5717} \end{array}$$

5704

----

13 ← remainder

$$5717 \div 37 = 154 \text{ remainder } 19$$

$$\begin{array}{r} 154 \\ 37 \overline{) 5717} \\ \underline{5698} \end{array}$$

----

19 ← remainder

$$5717 \div 41 = 139 \text{ remainder } 18$$

$$\begin{array}{r} 139 \\ 41 \overline{) 5717} \\ \underline{5699} \end{array}$$

----

18 ← remainder

$$5717 \div 43 = 132 \text{ remainder } 41$$

$$\begin{array}{r} 132 \\ 43 \overline{) 5717} \\ \underline{5676} \end{array}$$

----

41 ← remainder

$$5717 \div 47 = 121 \text{ remainder } 30$$

$$\begin{array}{r} 121 \\ 47 \overline{) 5717} \\ \underline{5687} \end{array}$$

----

30 ← remainder

$$5717 \div 53 = 107 \text{ remainder } 46$$

$$\begin{array}{r} 107 \\ 53 \overline{) 5717} \\ \underline{5671} \end{array}$$

----

46 ← remainder

$$5717 \div 59 = 96 \text{ remainder } 53$$

$$\begin{array}{r} 96 \\ 59 \overline{) 5717} \\ \underline{5664} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 61 = 93 \text{ remainder } 44$$

$$\begin{array}{r} 93 \\ 61 \overline{) 5717} \\ \underline{5673} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 67 = 85 \text{ remainder } 22$$

$$\begin{array}{r} 85 \\ 67 \overline{) 5717} \\ \underline{5695} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 71 = 80 \text{ remainder } 37$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5717} \\ \underline{5680} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$5717 \div 73 = 78 \text{ remainder } 23$$

$$\begin{array}{r} 78 \\ 73 \overline{) 5717} \\ \underline{5694} \\ 23 \end{array} \leftarrow \text{remainder}$$

## **P<sub>754</sub> 5737**

$$5737 \div 2 = 2868 \text{ remainder } 1$$

$$\begin{array}{r} 2868 \\ 2 \overline{) 5737} \\ \underline{5736} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 3 = 1912 \text{ remainder } 1$$

$$\begin{array}{r} 1912 \\ 3 \overline{) 5737} \\ \underline{5736} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 5 = 1147 \text{ remainder } 2$$

$$\begin{array}{r} 1147 \\ 5 \overline{) 5737} \\ \underline{5735} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 7 = 819 \text{ remainder } 4$$

$$\begin{array}{r} 819 \\ 7 \overline{) 5737} \\ \underline{5733} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 11 = 521 \text{ remainder } 6$$

$$\begin{array}{r} 521 \\ 11 \overline{) 5737} \\ \underline{5731} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 13 = 441 \text{ remainder } 4$$

$$\begin{array}{r} 441 \\ 13 \overline{) 5737} \\ \underline{5733} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 17 = 337 \text{ remainder } 8$$

$$\begin{array}{r} 337 \\ 17 \overline{) 5737} \\ \underline{5729} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 19 = 301 \text{ remainder } 18$$

$$\begin{array}{r} 301 \\ 19 \overline{) 5737} \\ \underline{5719} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 23 = 249 \text{ remainder } 10$$

$$\begin{array}{r} 249 \\ 23 \overline{) 5737} \\ \underline{5727} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 29 = 197 \text{ remainder } 24$$

$$\begin{array}{r} 197 \\ 29 \overline{) 5737} \\ \underline{5713} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 31 = 185 \text{ remainder } 2$$

$$\begin{array}{r} 185 \\ 31 \overline{) 5737} \end{array}$$

$$\begin{array}{r} 5735 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5737 \div 37 = 155 \text{ remainder } 2$$

$$\begin{array}{r} 155 \\ 37 \overline{) 5737} \\ \underline{5735} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5737 \div 41 = 139 \text{ remainder } 38$$

$$\begin{array}{r} 139 \\ 41 \overline{) 5737} \\ \underline{5699} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$5737 \div 43 = 133 \text{ remainder } 18$$

$$\begin{array}{r} 133 \\ 43 \overline{) 5737} \\ \underline{5719} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5737 \div 47 = 122 \text{ remainder } 3$$

$$\begin{array}{r} 122 \\ 47 \overline{) 5737} \\ \underline{5734} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5737 \div 53 = 108 \text{ remainder } 13$$

$$\begin{array}{r} 108 \\ 53 \overline{) 5737} \\ \underline{5724} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$



$$5737 \div 59 = 97 \text{ remainder } 14$$

$$\begin{array}{r} 97 \\ 59 \overline{) 5737} \\ \underline{5723} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 61 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 61 \overline{) 5737} \\ \underline{5734} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 67 = 85 \text{ remainder } 42$$

$$\begin{array}{r} 85 \\ 67 \overline{) 5737} \\ \underline{5695} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 71 = 80 \text{ remainder } 57$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5737} \\ \underline{5680} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$5737 \div 73 = 78 \text{ remainder } 43$$

$$\begin{array}{r} 78 \\ 73 \overline{) 5737} \\ \underline{5694} \\ 43 \end{array} \leftarrow \text{remainder}$$

## **P<sub>755</sub> 5741**

$$5741 \div 2 = 2870 \text{ remainder } 1$$

$$\begin{array}{r} 2870 \\ 2 \overline{) 5741} \\ \underline{5740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 3 = 1913 \text{ remainder } 2$$

$$\begin{array}{r} 1913 \\ 3 \overline{) 5741} \\ \underline{5739} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 5 = 1148 \text{ remainder } 1$$

$$\begin{array}{r} 1148 \\ 5 \overline{) 5741} \\ \underline{5740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 7 = 820 \text{ remainder } 1$$

$$\begin{array}{r} 820 \\ 7 \overline{) 5741} \\ \underline{5740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 11 = 521 \text{ remainder } 10$$

$$\begin{array}{r} 521 \\ 11 \overline{) 5741} \\ \underline{5731} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 13 = 441 \text{ remainder } 8$$

$$\begin{array}{r} 441 \\ 13 \overline{) 5741} \\ \underline{5733} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 17 = 337 \text{ remainder } 12$$

$$\begin{array}{r} 337 \\ 17 \overline{) 5741} \\ \underline{5729} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 19 = 302 \text{ remainder } 3$$

$$\begin{array}{r} 302 \\ 19 \overline{) 5741} \\ \underline{5738} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 23 = 249 \text{ remainder } 14$$

$$\begin{array}{r} 249 \\ 23 \overline{) 5741} \\ \underline{5727} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 29 = 197 \text{ remainder } 28$$

$$\begin{array}{r} 197 \\ 29 \overline{) 5741} \\ \underline{5713} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 31 = 185 \text{ remainder } 6$$

$$\begin{array}{r} 185 \\ 31 \overline{) 5741} \end{array}$$

$$\begin{array}{r} 5735 \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5741 \div 37 = 155 \text{ remainder } 6$$

$$\begin{array}{r} 155 \\ 37 \overline{) 5741} \\ \underline{5735} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5741 \div 41 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 41 \overline{) 5741} \\ \underline{5740} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5741 \div 43 = 133 \text{ remainder } 22$$

$$\begin{array}{r} 133 \\ 43 \overline{) 5741} \\ \underline{5719} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$5741 \div 47 = 122 \text{ remainder } 7$$

$$\begin{array}{r} 122 \\ 47 \overline{) 5741} \\ \underline{5734} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5741 \div 53 = 108 \text{ remainder } 17$$

$$\begin{array}{r} 108 \\ 53 \overline{) 5741} \\ \underline{5724} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5741 \div 59 = 97 \text{ remainder } 18$$

$$\begin{array}{r} 97 \\ 59 \overline{) 5741} \\ \underline{5723} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 61 = 94 \text{ remainder } 7$$

$$\begin{array}{r} 94 \\ 61 \overline{) 5741} \\ \underline{5734} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 67 = 85 \text{ remainder } 46$$

$$\begin{array}{r} 85 \\ 67 \overline{) 5741} \\ \underline{5695} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 71 = 80 \text{ remainder } 61$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5741} \\ \underline{5680} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$5741 \div 73 = 78 \text{ remainder } 47$$

$$\begin{array}{r} 78 \\ 73 \overline{) 5741} \\ \underline{5694} \\ 47 \end{array} \leftarrow \text{remainder}$$

## **P<sub>756</sub> 5743**

$$5743 \div 2 = 2871 \text{ remainder } 1$$

$$\begin{array}{r} 2871 \\ 2 \overline{) 5743} \\ \underline{5742} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 3 = 1914 \text{ remainder } 1$$

$$\begin{array}{r} 1914 \\ 3 \overline{) 5743} \\ \underline{5742} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 5 = 1148 \text{ remainder } 3$$

$$\begin{array}{r} 1148 \\ 5 \overline{) 5743} \\ \underline{5740} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 7 = 820 \text{ remainder } 3$$

$$\begin{array}{r} 820 \\ 7 \overline{) 5743} \\ \underline{5740} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 11 = 522 \text{ remainder } 1$$

$$\begin{array}{r} 522 \\ 11 \overline{) 5743} \\ \underline{5742} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 13 = 441 \text{ remainder } 10$$

$$\begin{array}{r} 441 \\ 13 \overline{) 5743} \\ \underline{5733} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 17 = 337 \text{ remainder } 14$$

$$\begin{array}{r} 337 \\ 17 \overline{) 5743} \\ \underline{5729} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 19 = 302 \text{ remainder } 5$$

$$\begin{array}{r} 302 \\ 19 \overline{) 5743} \\ \underline{5738} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 23 = 249 \text{ remainder } 16$$

$$\begin{array}{r} 249 \\ 23 \overline{) 5743} \\ \underline{5727} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 29 = 198 \text{ remainder } 1$$

$$\begin{array}{r} 198 \\ 29 \overline{) 5743} \\ \underline{5742} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 31 = 185 \text{ remainder } 8$$

$$\begin{array}{r} 185 \\ 31 \overline{) 5743} \end{array}$$

5735

----

8 ← remainder

$$5743 \div 37 = 155 \text{ remainder } 8$$

$$\begin{array}{r} 155 \\ 37 \overline{) 5743} \\ \underline{5735} \end{array}$$

----

8 ← remainder

$$5743 \div 41 = 140 \text{ remainder } 3$$

$$\begin{array}{r} 140 \\ 41 \overline{) 5743} \\ \underline{5740} \end{array}$$

----

3 ← remainder

$$5743 \div 43 = 133 \text{ remainder } 24$$

$$\begin{array}{r} 133 \\ 43 \overline{) 5743} \\ \underline{5719} \end{array}$$

----

24 ← remainder

$$5743 \div 47 = 122 \text{ remainder } 9$$

$$\begin{array}{r} 122 \\ 47 \overline{) 5743} \\ \underline{5734} \end{array}$$

----

9 ← remainder

$$5743 \div 53 = 108 \text{ remainder } 19$$

$$\begin{array}{r} 108 \\ 53 \overline{) 5743} \\ \underline{5724} \end{array}$$

----

19 ← remainder



$$5743 \div 59 = 97 \text{ remainder } 20$$

$$\begin{array}{r} 97 \\ 59 \overline{) 5743} \\ \underline{5723} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 61 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 61 \overline{) 5743} \\ \underline{5734} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 67 = 85 \text{ remainder } 48$$

$$\begin{array}{r} 85 \\ 67 \overline{) 5743} \\ \underline{5695} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 71 = 80 \text{ remainder } 63$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5743} \\ \underline{5680} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$5743 \div 73 = 78 \text{ remainder } 49$$

$$\begin{array}{r} 78 \\ 73 \overline{) 5743} \\ \underline{5694} \\ 49 \end{array} \leftarrow \text{remainder}$$

## **P<sub>757</sub> 5749**

$$5749 \div 2 = 2874 \text{ remainder } 1$$

$$\begin{array}{r} 2874 \\ 2 \overline{) 5749} \\ \underline{5748} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 3 = 1916 \text{ remainder } 1$$

$$\begin{array}{r} 1916 \\ 3 \overline{) 5749} \\ \underline{5748} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 5 = 1149 \text{ remainder } 4$$

$$\begin{array}{r} 1149 \\ 5 \overline{) 5749} \\ \underline{5745} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 7 = 821 \text{ remainder } 2$$

$$\begin{array}{r} 821 \\ 7 \overline{) 5749} \\ \underline{5747} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 11 = 522 \text{ remainder } 7$$

$$\begin{array}{r} 522 \\ 11 \overline{) 5749} \\ \underline{5742} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 13 = 442 \text{ remainder } 3$$

$$\begin{array}{r} 442 \\ 13 \overline{) 5749} \\ \underline{5746} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 17 = 338 \text{ remainder } 3$$

$$\begin{array}{r} 338 \\ 17 \overline{) 5749} \\ \underline{5746} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 19 = 302 \text{ remainder } 11$$

$$\begin{array}{r} 302 \\ 19 \overline{) 5749} \\ \underline{5738} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 23 = 249 \text{ remainder } 22$$

$$\begin{array}{r} 249 \\ 23 \overline{) 5749} \\ \underline{5727} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 29 = 198 \text{ remainder } 7$$

$$\begin{array}{r} 198 \\ 29 \overline{) 5749} \\ \underline{5742} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 31 = 185 \text{ remainder } 14$$

$$\begin{array}{r} 185 \\ 31 \overline{) 5749} \end{array}$$

$$\begin{array}{r} 5735 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5749 \div 37 = 155 \text{ remainder } 14$$

$$\begin{array}{r} 155 \\ 37 \mid \overline{5749} \\ \underline{5735} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5749 \div 41 = 140 \text{ remainder } 9$$

$$\begin{array}{r} 140 \\ 41 \mid \overline{5749} \\ \underline{5740} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$5749 \div 43 = 133 \text{ remainder } 30$$

$$\begin{array}{r} 133 \\ 43 \mid \overline{5749} \\ \underline{5719} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5749 \div 47 = 122 \text{ remainder } 15$$

$$\begin{array}{r} 122 \\ 47 \mid \overline{5749} \\ \underline{5734} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5749 \div 53 = 108 \text{ remainder } 25$$

$$\begin{array}{r} 108 \\ 53 \mid \overline{5749} \\ \underline{5724} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$5749 \div 59 = 97 \text{ remainder } 26$$

$$\begin{array}{r} 97 \\ 59 \overline{) 5749} \\ \underline{5723} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 61 = 94 \text{ remainder } 15$$

$$\begin{array}{r} 94 \\ 61 \overline{) 5749} \\ \underline{5734} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 67 = 85 \text{ remainder } 54$$

$$\begin{array}{r} 85 \\ 67 \overline{) 5749} \\ \underline{5695} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 71 = 80 \text{ remainder } 69$$

$$\begin{array}{r} 80 \\ 71 \overline{) 5749} \\ \underline{5680} \\ 69 \end{array} \leftarrow \text{remainder}$$

$$5749 \div 73 = 78 \text{ remainder } 55$$

$$\begin{array}{r} 78 \\ 73 \overline{) 5749} \\ \underline{5694} \\ 55 \end{array} \leftarrow \text{remainder}$$

## **P<sub>758</sub> 5779**

$$5779 \div 2 = 2889 \text{ remainder } 1$$

$$\begin{array}{r} 2889 \\ 2 \overline{) 5779} \\ \underline{5778} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 3 = 1926 \text{ remainder } 1$$

$$\begin{array}{r} 1926 \\ 3 \overline{) 5779} \\ \underline{5778} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 5 = 1155 \text{ remainder } 4$$

$$\begin{array}{r} 1155 \\ 5 \overline{) 5779} \\ \underline{5775} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 7 = 825 \text{ remainder } 4$$

$$\begin{array}{r} 825 \\ 7 \overline{) 5779} \\ \underline{5775} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 11 = 525 \text{ remainder } 4$$

$$\begin{array}{r} 525 \\ 11 \overline{) 5779} \\ \underline{5775} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 13 = 444 \text{ remainder } 7$$

$$\begin{array}{r} 444 \\ 13 \overline{) 5779} \\ \underline{5772} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 17 = 339 \text{ remainder } 16$$

$$\begin{array}{r} 339 \\ 17 \overline{) 5779} \\ \underline{5763} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 19 = 304 \text{ remainder } 3$$

$$\begin{array}{r} 304 \\ 19 \overline{) 5779} \\ \underline{5776} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 23 = 251 \text{ remainder } 6$$

$$\begin{array}{r} 251 \\ 23 \overline{) 5779} \\ \underline{5773} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 29 = 199 \text{ remainder } 8$$

$$\begin{array}{r} 199 \\ 29 \overline{) 5779} \\ \underline{5771} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 31 = 186 \text{ remainder } 13$$

$$\begin{array}{r} 186 \\ 31 \overline{) 5779} \end{array}$$

5766  
 ----  
 13 ← remainder

$$5779 \div 37 = 156 \text{ remainder } 7$$

37 |  $\overline{156}$   
 $\overline{5779}$   
 5772  
 ----  
 7 ← remainder

$$5779 \div 41 = 140 \text{ remainder } 39$$

41 |  $\overline{140}$   
 $\overline{5779}$   
 5740  
 ----  
 39 ← remainder

$$5779 \div 43 = 134 \text{ remainder } 17$$

43 |  $\overline{134}$   
 $\overline{5779}$   
 5762  
 ----  
 17 ← remainder

$$5779 \div 47 = 122 \text{ remainder } 45$$

47 |  $\overline{122}$   
 $\overline{5779}$   
 5734  
 ----  
 45 ← remainder

$$5779 \div 53 = 109 \text{ remainder } 2$$

53 |  $\overline{109}$   
 $\overline{5779}$   
 5777  
 ----  
 2 ← remainder



$$5779 \div 59 = 97 \text{ remainder } 56$$

$$\begin{array}{r} 97 \\ 59 \overline{) 5779} \\ \underline{5723} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 61 = 94 \text{ remainder } 45$$

$$\begin{array}{r} 94 \\ 61 \overline{) 5779} \\ \underline{5734} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 67 = 86 \text{ remainder } 17$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5779} \\ \underline{5762} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 71 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 71 \overline{) 5779} \\ \underline{5751} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5779 \div 73 = 79 \text{ remainder } 12$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5779} \\ \underline{5767} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>759</sub> 5783**

$$5783 \div 2 = 2891 \text{ remainder } 1$$

$$\begin{array}{r} 2891 \text{ ---} \\ 2 \mid \overline{5783} \\ \underline{5782} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 3 = 1927 \text{ remainder } 2$$

$$\begin{array}{r} 1927 \text{ ---} \\ 3 \mid \overline{5783} \\ \underline{5781} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 5 = 1156 \text{ remainder } 3$$

$$\begin{array}{r} 1156 \text{ ---} \\ 5 \mid \overline{5783} \\ \underline{5780} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 7 = 826 \text{ remainder } 1$$

$$\begin{array}{r} 826 \text{ ---} \\ 7 \mid \overline{5783} \\ \underline{5782} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 11 = 525 \text{ remainder } 8$$

$$\begin{array}{r} 525 \text{ ---} \\ 11 \mid \overline{5783} \\ \underline{5775} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 13 = 444 \text{ remainder } 11$$

$$\begin{array}{r} 444 \\ 13 \overline{) 5783} \\ \underline{5772} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 17 = 340 \text{ remainder } 3$$

$$\begin{array}{r} 340 \\ 17 \overline{) 5783} \\ \underline{5780} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 19 = 304 \text{ remainder } 7$$

$$\begin{array}{r} 304 \\ 19 \overline{) 5783} \\ \underline{5776} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 23 = 251 \text{ remainder } 10$$

$$\begin{array}{r} 251 \\ 23 \overline{) 5783} \\ \underline{5773} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 29 = 199 \text{ remainder } 12$$

$$\begin{array}{r} 199 \\ 29 \overline{) 5783} \\ \underline{5771} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 31 = 186 \text{ remainder } 17$$

$$\begin{array}{r} 186 \\ 31 \overline{) 5783} \end{array}$$

$$\begin{array}{r} 5766 \\ ---- \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 37 = 156 \text{ remainder } 11$$

$$\begin{array}{r} 156 \\ 37 \overline{) 5783} \\ \underline{5772} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 41 = 141 \text{ remainder } 2$$

$$\begin{array}{r} 141 \\ 41 \overline{) 5783} \\ \underline{5781} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 43 = 134 \text{ remainder } 21$$

$$\begin{array}{r} 134 \\ 43 \overline{) 5783} \\ \underline{5762} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 47 = 123 \text{ remainder } 2$$

$$\begin{array}{r} 123 \\ 47 \overline{) 5783} \\ \underline{5781} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 53 = 109 \text{ remainder } 6$$

$$\begin{array}{r} 109 \\ 53 \overline{) 5783} \\ \underline{5777} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 59 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5783} \\ \underline{5782} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 61 = 94 \text{ remainder } 49$$

$$\begin{array}{r} 94 \\ 61 \overline{) 5783} \\ \underline{5734} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 67 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5783} \\ \underline{5762} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 71 = 81 \text{ remainder } 32$$

$$\begin{array}{r} 81 \\ 71 \overline{) 5783} \\ \underline{5751} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$5783 \div 73 = 79 \text{ remainder } 16$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5783} \\ \underline{5767} \\ 16 \end{array} \leftarrow \text{remainder}$$

## **P<sub>760</sub> 5791**

$$5791 \div 2 = 2895 \text{ remainder } 1$$

$$\begin{array}{r} 2895 \\ 2 \overline{) 5791} \\ \underline{5790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 3 = 1930 \text{ remainder } 1$$

$$\begin{array}{r} 1930 \\ 3 \overline{) 5791} \\ \underline{5790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 5 = 1158 \text{ remainder } 1$$

$$\begin{array}{r} 1158 \\ 5 \overline{) 5791} \\ \underline{5790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 7 = 827 \text{ remainder } 2$$

$$\begin{array}{r} 827 \\ 7 \overline{) 5791} \\ \underline{5789} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 11 = 526 \text{ remainder } 5$$

$$\begin{array}{r} 526 \\ 11 \overline{) 5791} \\ \underline{5786} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 13 = 445 \text{ remainder } 6$$

$$\begin{array}{r} 445 \\ 13 \overline{) 5791} \\ \underline{5785} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 17 = 340 \text{ remainder } 11$$

$$\begin{array}{r} 340 \\ 17 \overline{) 5791} \\ \underline{5780} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 19 = 304 \text{ remainder } 15$$

$$\begin{array}{r} 304 \\ 19 \overline{) 5791} \\ \underline{5776} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 23 = 251 \text{ remainder } 18$$

$$\begin{array}{r} 251 \\ 23 \overline{) 5791} \\ \underline{5773} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 29 = 199 \text{ remainder } 20$$

$$\begin{array}{r} 199 \\ 29 \overline{) 5791} \\ \underline{5771} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5791 \div 31 = 186 \text{ remainder } 25$$

$$\begin{array}{r} 186 \\ 31 \overline{) 5791} \end{array}$$

5766  
 ----  
 25 ← remainder

$$5791 \div 37 = 156 \text{ remainder } 19$$

156  
 37 | 5791  
 5772  
 ----  
 19 ← remainder

$$5791 \div 41 = 141 \text{ remainder } 10$$

141  
 41 | 5791  
 5781  
 ----  
 10 ← remainder

$$5791 \div 43 = 134 \text{ remainder } 29$$

134  
 43 | 5791  
 5762  
 ----  
 29 ← remainder

$$5791 \div 47 = 123 \text{ remainder } 10$$

123  
 47 | 5791  
 5781  
 ----  
 10 ← remainder

$$5791 \div 53 = 109 \text{ remainder } 14$$

109  
 53 | 5791  
 5777  
 ----  
 14 ← remainder



$$5791 \div 59 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5791} \\ \underline{5782} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5791 \div 61 = 94 \text{ remainder } 57$$

$$\begin{array}{r} 94 \\ 61 \overline{) 5791} \\ \underline{5734} \phantom{00} \\ 57 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5791 \div 67 = 86 \text{ remainder } 29$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5791} \\ \underline{5762} \phantom{00} \\ 29 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5791 \div 71 = 81 \text{ remainder } 40$$

$$\begin{array}{r} 81 \\ 71 \overline{) 5791} \\ \underline{5751} \phantom{00} \\ 40 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5791 \div 73 = 79 \text{ remainder } 24$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5791} \\ \underline{5767} \phantom{00} \\ 24 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>761</sub> 5801**

$$5801 \div 2 = 2900 \text{ remainder } 1$$

$$\begin{array}{r} 2900 \\ 2 \overline{) 5801} \\ \underline{5800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 3 = 1933 \text{ remainder } 2$$

$$\begin{array}{r} 1933 \\ 3 \overline{) 5801} \\ \underline{5799} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 5 = 1160 \text{ remainder } 1$$

$$\begin{array}{r} 1160 \\ 5 \overline{) 5801} \\ \underline{5800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 7 = 828 \text{ remainder } 5$$

$$\begin{array}{r} 828 \\ 7 \overline{) 5801} \\ \underline{5796} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 11 = 527 \text{ remainder } 4$$

$$\begin{array}{r} 527 \\ 11 \overline{) 5801} \\ \underline{5797} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 13 = 446 \text{ remainder } 3$$

$$\begin{array}{r} 446 \\ 13 \overline{) 5801} \\ \underline{5798} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 17 = 341 \text{ remainder } 4$$

$$\begin{array}{r} 341 \\ 17 \overline{) 5801} \\ \underline{5797} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 19 = 305 \text{ remainder } 6$$

$$\begin{array}{r} 305 \\ 19 \overline{) 5801} \\ \underline{5795} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 23 = 252 \text{ remainder } 5$$

$$\begin{array}{r} 252 \\ 23 \overline{) 5801} \\ \underline{5796} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 29 = 200 \text{ remainder } 1$$

$$\begin{array}{r} 200 \\ 29 \overline{) 5801} \\ \underline{5800} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 31 = 187 \text{ remainder } 4$$

$$\begin{array}{r} 187 \\ 31 \overline{) 5801} \end{array}$$

5797

----

4 ← remainder

$5801 \div 37 = 156 \text{ remainder } 29$

156  
37 | 5801  
5772

----

29 ← remainder

$5801 \div 41 = 141 \text{ remainder } 20$

141  
41 | 5801  
5781

----

20 ← remainder

$5801 \div 43 = 134 \text{ remainder } 39$

134  
43 | 5801  
5762

----

39 ← remainder

$5801 \div 47 = 123 \text{ remainder } 20$

123  
47 | 5801  
5781

----

20 ← remainder

$5801 \div 53 = 109 \text{ remainder } 24$

109  
53 | 5801  
5777

----

24 ← remainder

$$5801 \div 59 = 98 \text{ remainder } 19$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5801} \\ \underline{5782} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 61 = 95 \text{ remainder } 6$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5801} \\ \underline{5795} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 67 = 86 \text{ remainder } 39$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5801} \\ \underline{5762} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 71 = 81 \text{ remainder } 50$$

$$\begin{array}{r} 81 \\ 71 \overline{) 5801} \\ \underline{5751} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$5801 \div 73 = 79 \text{ remainder } 34$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5801} \\ \underline{5767} \\ 34 \end{array} \leftarrow \text{remainder}$$

## **P<sub>762</sub> 5807**

$$5807 \div 2 = 2903 \text{ remainder } 1$$

$$\begin{array}{r} 2903 \\ 2 \overline{) 5807} \\ \underline{5806} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 3 = 1935 \text{ remainder } 2$$

$$\begin{array}{r} 1935 \\ 3 \overline{) 5807} \\ \underline{5805} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 5 = 1161 \text{ remainder } 2$$

$$\begin{array}{r} 1161 \\ 5 \overline{) 5807} \\ \underline{5805} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 7 = 829 \text{ remainder } 4$$

$$\begin{array}{r} 829 \\ 7 \overline{) 5807} \\ \underline{5803} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 11 = 527 \text{ remainder } 10$$

$$\begin{array}{r} 527 \\ 11 \overline{) 5807} \\ \underline{5797} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 13 = 446 \text{ remainder } 9$$

$$\begin{array}{r} 446 \\ 13 \overline{) 5807} \\ \underline{5798} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 17 = 341 \text{ remainder } 10$$

$$\begin{array}{r} 341 \\ 17 \overline{) 5807} \\ \underline{5797} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 19 = 305 \text{ remainder } 12$$

$$\begin{array}{r} 305 \\ 19 \overline{) 5807} \\ \underline{5795} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 23 = 252 \text{ remainder } 11$$

$$\begin{array}{r} 252 \\ 23 \overline{) 5807} \\ \underline{5796} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 29 = 200 \text{ remainder } 7$$

$$\begin{array}{r} 200 \\ 29 \overline{) 5807} \\ \underline{5800} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 31 = 187 \text{ remainder } 10$$

$$\begin{array}{r} 187 \\ 31 \overline{) 5807} \end{array}$$

$$\begin{array}{r} 5797 \\ ---- \\ 10 \leftarrow \text{remainder} \end{array}$$

$$5807 \div 37 = 156 \text{ remainder } 35$$

$$\begin{array}{r} 156 \\ 37 \overline{) 5807} \\ \underline{5772} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$5807 \div 41 = 141 \text{ remainder } 26$$

$$\begin{array}{r} 141 \\ 41 \overline{) 5807} \\ \underline{5781} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$5807 \div 43 = 135 \text{ remainder } 2$$

$$\begin{array}{r} 135 \\ 43 \overline{) 5807} \\ \underline{5805} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5807 \div 47 = 123 \text{ remainder } 26$$

$$\begin{array}{r} 123 \\ 47 \overline{) 5807} \\ \underline{5781} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$5807 \div 53 = 109 \text{ remainder } 30$$

$$\begin{array}{r} 109 \\ 53 \overline{) 5807} \\ \underline{5777} \\ 30 \leftarrow \text{remainder} \end{array}$$



$$5807 \div 59 = 98 \text{ remainder } 25$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5807} \\ \underline{5782} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 61 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5807} \\ \underline{5795} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 67 = 86 \text{ remainder } 45$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5807} \\ \underline{5762} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 71 = 81 \text{ remainder } 56$$

$$\begin{array}{r} 81 \\ 71 \overline{) 5807} \\ \underline{5751} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$5807 \div 73 = 79 \text{ remainder } 40$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5807} \\ \underline{5767} \\ 40 \end{array} \leftarrow \text{remainder}$$

## **P<sub>763</sub> 5813**

$$5813 \div 2 = 2906 \text{ remainder } 1$$

$$\begin{array}{r} 2906 \\ 2 \overline{) 5813} \\ \underline{5812} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 3 = 1937 \text{ remainder } 2$$

$$\begin{array}{r} 1937 \\ 3 \overline{) 5813} \\ \underline{5811} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 5 = 1162 \text{ remainder } 3$$

$$\begin{array}{r} 1162 \\ 5 \overline{) 5813} \\ \underline{5810} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 7 = 830 \text{ remainder } 3$$

$$\begin{array}{r} 830 \\ 7 \overline{) 5813} \\ \underline{5810} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 11 = 528 \text{ remainder } 5$$

$$\begin{array}{r} 528 \\ 11 \overline{) 5813} \\ \underline{5808} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 13 = 447 \text{ remainder } 2$$

$$\begin{array}{r} 447 \\ 13 \overline{) 5813} \\ \underline{5811} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 17 = 341 \text{ remainder } 16$$

$$\begin{array}{r} 341 \\ 17 \overline{) 5813} \\ \underline{5797} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 19 = 305 \text{ remainder } 18$$

$$\begin{array}{r} 305 \\ 19 \overline{) 5813} \\ \underline{5795} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 23 = 252 \text{ remainder } 17$$

$$\begin{array}{r} 252 \\ 23 \overline{) 5813} \\ \underline{5796} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 29 = 200 \text{ remainder } 13$$

$$\begin{array}{r} 200 \\ 29 \overline{) 5813} \\ \underline{5800} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 31 = 187 \text{ remainder } 16$$

$$\begin{array}{r} 187 \\ 31 \overline{) 5813} \end{array}$$

$$\begin{array}{r} 5797 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5813 \div 37 = 157 \text{ remainder } 4$$

$$\begin{array}{r} 157 \\ 37 \overline{) 5813} \\ \underline{5809} \\ 4 \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$5813 \div 41 = 141 \text{ remainder } 32$$

$$\begin{array}{r} 141 \\ 41 \overline{) 5813} \\ \underline{5781} \\ 32 \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$5813 \div 43 = 135 \text{ remainder } 8$$

$$\begin{array}{r} 135 \\ 43 \overline{) 5813} \\ \underline{5805} \\ 8 \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5813 \div 47 = 123 \text{ remainder } 32$$

$$\begin{array}{r} 123 \\ 47 \overline{) 5813} \\ \underline{5781} \\ 32 \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$5813 \div 53 = 109 \text{ remainder } 36$$

$$\begin{array}{r} 109 \\ 53 \overline{) 5813} \\ \underline{5777} \\ 36 \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$5813 \div 59 = 98 \text{ remainder } 31$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5813} \\ \underline{5782} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 61 = 95 \text{ remainder } 18$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5813} \\ \underline{5795} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 67 = 86 \text{ remainder } 51$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5813} \\ \underline{5762} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 71 = 81 \text{ remainder } 62$$

$$\begin{array}{r} 81 \\ 71 \overline{) 5813} \\ \underline{5751} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$5813 \div 73 = 79 \text{ remainder } 46$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5813} \\ \underline{5767} \\ 46 \end{array} \leftarrow \text{remainder}$$

## **P<sub>764</sub> 5821**

$$5821 \div 2 = 2910 \text{ remainder } 1$$

$$\begin{array}{r} 2910 \\ 2 \overline{) 5821} \\ \underline{5820} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 3 = 1940 \text{ remainder } 1$$

$$\begin{array}{r} 1940 \\ 3 \overline{) 5821} \\ \underline{5820} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 5 = 1164 \text{ remainder } 1$$

$$\begin{array}{r} 1164 \\ 5 \overline{) 5821} \\ \underline{5820} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 7 = 831 \text{ remainder } 4$$

$$\begin{array}{r} 831 \\ 7 \overline{) 5821} \\ \underline{5817} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 11 = 529 \text{ remainder } 2$$

$$\begin{array}{r} 529 \\ 11 \overline{) 5821} \\ \underline{5819} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 13 = 447 \text{ remainder } 10$$

$$\begin{array}{r} 447 \\ 13 \overline{) 5821} \\ \underline{5811} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 17 = 342 \text{ remainder } 7$$

$$\begin{array}{r} 342 \\ 17 \overline{) 5821} \\ \underline{5814} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 19 = 306 \text{ remainder } 7$$

$$\begin{array}{r} 306 \\ 19 \overline{) 5821} \\ \underline{5814} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 23 = 253 \text{ remainder } 2$$

$$\begin{array}{r} 253 \\ 23 \overline{) 5821} \\ \underline{5819} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 29 = 200 \text{ remainder } 21$$

$$\begin{array}{r} 200 \\ 29 \overline{) 5821} \\ \underline{5800} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 31 = 187 \text{ remainder } 24$$

$$\begin{array}{r} 187 \\ 31 \overline{) 5821} \end{array}$$

5797  
 ----  
 24 ← remainder

$$5821 \div 37 = 157 \text{ remainder } 12$$

157  
 37 | 5821  
 5809  
 ----  
 12 ← remainder

$$5821 \div 41 = 141 \text{ remainder } 40$$

141  
 41 | 5821  
 5781  
 ----  
 40 ← remainder

$$5821 \div 43 = 135 \text{ remainder } 16$$

135  
 43 | 5821  
 5805  
 ----  
 16 ← remainder

$$5821 \div 47 = 123 \text{ remainder } 40$$

123  
 47 | 5821  
 5781  
 ----  
 40 ← remainder

$$5821 \div 53 = 109 \text{ remainder } 44$$

109  
 53 | 5821  
 5777  
 ----  
 44 ← remainder



$$5821 \div 59 = 98 \text{ remainder } 39$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5821} \\ \underline{5782} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 61 = 95 \text{ remainder } 26$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5821} \\ \underline{5795} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 67 = 86 \text{ remainder } 59$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5821} \\ \underline{5762} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 71 = 81 \text{ remainder } 70$$

$$\begin{array}{r} 81 \\ 71 \overline{) 5821} \\ \underline{5751} \\ 70 \end{array} \leftarrow \text{remainder}$$

$$5821 \div 73 = 79 \text{ remainder } 54$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5821} \\ \underline{5767} \\ 54 \end{array} \leftarrow \text{remainder}$$

## **P<sub>765</sub> 5827**

$$5827 \div 2 = 2913 \text{ remainder } 1$$

$$\begin{array}{r} 2913 \\ 2 \overline{) 5827} \\ \underline{5826} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 3 = 1942 \text{ remainder } 1$$

$$\begin{array}{r} 1942 \\ 3 \overline{) 5827} \\ \underline{5826} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 5 = 1165 \text{ remainder } 2$$

$$\begin{array}{r} 1165 \\ 5 \overline{) 5827} \\ \underline{5825} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 7 = 832 \text{ remainder } 3$$

$$\begin{array}{r} 832 \\ 7 \overline{) 5827} \\ \underline{5824} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 11 = 529 \text{ remainder } 8$$

$$\begin{array}{r} 529 \\ 11 \overline{) 5827} \\ \underline{5819} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 13 = 448 \text{ remainder } 3$$

$$\begin{array}{r} 448 \\ 13 \overline{) 5827} \\ \underline{5824} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 17 = 342 \text{ remainder } 13$$

$$\begin{array}{r} 342 \\ 17 \overline{) 5827} \\ \underline{5814} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 19 = 306 \text{ remainder } 13$$

$$\begin{array}{r} 306 \\ 19 \overline{) 5827} \\ \underline{5814} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 23 = 253 \text{ remainder } 8$$

$$\begin{array}{r} 253 \\ 23 \overline{) 5827} \\ \underline{5819} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 29 = 200 \text{ remainder } 27$$

$$\begin{array}{r} 200 \\ 29 \overline{) 5827} \\ \underline{5800} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 31 = 187 \text{ remainder } 30$$

$$\begin{array}{r} 187 \\ 31 \overline{) 5827} \end{array}$$

$$\begin{array}{r} 5797 \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$5827 \div 37 = 157 \text{ remainder } 18$$

$$\begin{array}{r} 157 \\ 37 \overline{) 5827} \\ \underline{5809} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5827 \div 41 = 142 \text{ remainder } 5$$

$$\begin{array}{r} 142 \\ 41 \overline{) 5827} \\ \underline{5822} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5827 \div 43 = 135 \text{ remainder } 22$$

$$\begin{array}{r} 135 \\ 43 \overline{) 5827} \\ \underline{5805} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$5827 \div 47 = 123 \text{ remainder } 46$$

$$\begin{array}{r} 123 \\ 47 \overline{) 5827} \\ \underline{5781} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$5827 \div 53 = 109 \text{ remainder } 50$$

$$\begin{array}{r} 109 \\ 53 \overline{) 5827} \\ \underline{5777} \\ 50 \leftarrow \text{remainder} \end{array}$$

$$5827 \div 59 = 98 \text{ remainder } 45$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5827} \\ \underline{5782} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 61 = 95 \text{ remainder } 32$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5827} \\ \underline{5795} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 67 = 86 \text{ remainder } 65$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5827} \\ \underline{5762} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 71 = 82 \text{ remainder } 5$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5827} \\ \underline{5822} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5827 \div 73 = 79 \text{ remainder } 60$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5827} \\ \underline{5767} \\ 60 \end{array} \leftarrow \text{remainder}$$

## **P<sub>766</sub> 5839**

$$5839 \div 2 = 2919 \text{ remainder } 1$$

$$\begin{array}{r} 2919 \\ 2 \overline{) 5839} \\ \underline{5838} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 3 = 1946 \text{ remainder } 1$$

$$\begin{array}{r} 1946 \\ 3 \overline{) 5839} \\ \underline{5838} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 5 = 1167 \text{ remainder } 4$$

$$\begin{array}{r} 1167 \\ 5 \overline{) 5839} \\ \underline{5835} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 7 = 834 \text{ remainder } 1$$

$$\begin{array}{r} 834 \\ 7 \overline{) 5839} \\ \underline{5838} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 11 = 530 \text{ remainder } 9$$

$$\begin{array}{r} 530 \\ 11 \overline{) 5839} \\ \underline{5830} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 13 = 449 \text{ remainder } 2$$

$$\begin{array}{r} 449 \\ 13 \overline{) 5839} \\ \underline{5837} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 17 = 343 \text{ remainder } 8$$

$$\begin{array}{r} 343 \\ 17 \overline{) 5839} \\ \underline{5831} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 19 = 307 \text{ remainder } 6$$

$$\begin{array}{r} 307 \\ 19 \overline{) 5839} \\ \underline{5833} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 23 = 253 \text{ remainder } 20$$

$$\begin{array}{r} 253 \\ 23 \overline{) 5839} \\ \underline{5819} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 29 = 201 \text{ remainder } 10$$

$$\begin{array}{r} 201 \\ 29 \overline{) 5839} \\ \underline{5829} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 31 = 188 \text{ remainder } 11$$

$$\begin{array}{r} 188 \\ 31 \overline{) 5839} \end{array}$$

```

5828
----
11  ← remainder

```

$$5839 \div 37 = 157 \text{ remainder } 30$$

```

      157
37 | 5839
    5809
    ----
      30  ← remainder

```

$$5839 \div 41 = 142 \text{ remainder } 17$$

```

      142
41 | 5839
    5822
    ----
      17  ← remainder

```

$$5839 \div 43 = 135 \text{ remainder } 34$$

```

      135
43 | 5839
    5805
    ----
      34  ← remainder

```

$$5839 \div 47 = 124 \text{ remainder } 11$$

```

      124
47 | 5839
    5828
    ----
      11  ← remainder

```

$$5839 \div 53 = 110 \text{ remainder } 9$$

```

      110
53 | 5839
    5830
    ----
       9  ← remainder

```



$$5839 \div 59 = 98 \text{ remainder } 57$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5839} \\ \underline{5782} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 61 = 95 \text{ remainder } 44$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5839} \\ \underline{5795} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 67 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5839} \\ \underline{5829} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 71 = 82 \text{ remainder } 17$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5839} \\ \underline{5822} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5839 \div 73 = 79 \text{ remainder } 72$$

$$\begin{array}{r} 79 \\ 73 \overline{) 5839} \\ \underline{5767} \\ 72 \end{array} \leftarrow \text{remainder}$$

## **P<sub>767</sub> 5843**

$$5843 \div 2 = 2921 \text{ remainder } 1$$

$$\begin{array}{r} 2921 \\ 2 \overline{) 5843} \\ \underline{5842} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 3 = 1947 \text{ remainder } 2$$

$$\begin{array}{r} 1947 \\ 3 \overline{) 5843} \\ \underline{5841} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 5 = 1168 \text{ remainder } 3$$

$$\begin{array}{r} 1168 \\ 5 \overline{) 5843} \\ \underline{5840} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 7 = 834 \text{ remainder } 5$$

$$\begin{array}{r} 834 \\ 7 \overline{) 5843} \\ \underline{5838} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 11 = 531 \text{ remainder } 2$$

$$\begin{array}{r} 531 \\ 11 \overline{) 5843} \\ \underline{5841} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 13 = 449 \text{ remainder } 6$$

$$\begin{array}{r} 449 \\ 13 \overline{) 5843} \\ \underline{5837} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 17 = 343 \text{ remainder } 12$$

$$\begin{array}{r} 343 \\ 17 \overline{) 5843} \\ \underline{5831} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 19 = 307 \text{ remainder } 10$$

$$\begin{array}{r} 307 \\ 19 \overline{) 5843} \\ \underline{5833} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 23 = 254 \text{ remainder } 1$$

$$\begin{array}{r} 254 \\ 23 \overline{) 5843} \\ \underline{5842} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 29 = 201 \text{ remainder } 14$$

$$\begin{array}{r} 201 \\ 29 \overline{) 5843} \\ \underline{5829} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 31 = 188 \text{ remainder } 15$$

$$\begin{array}{r} 188 \\ 31 \overline{) 5843} \end{array}$$

5828  
 ----  
 15 ← remainder

$$5843 \div 37 = 157 \text{ remainder } 34$$

37 |  $\overline{) 5843}$   
 157  
 5809  
 ----  
 34 ← remainder

$$5843 \div 41 = 142 \text{ remainder } 21$$

41 |  $\overline{) 5843}$   
 142  
 5822  
 ----  
 21 ← remainder

$$5843 \div 43 = 135 \text{ remainder } 38$$

43 |  $\overline{) 5843}$   
 135  
 5805  
 ----  
 38 ← remainder

$$5843 \div 47 = 124 \text{ remainder } 15$$

47 |  $\overline{) 5843}$   
 124  
 5828  
 ----  
 15 ← remainder

$$5843 \div 53 = 110 \text{ remainder } 13$$

53 |  $\overline{) 5843}$   
 110  
 5830  
 ----  
 13 ← remainder

$$5843 \div 59 = 99 \text{ remainder } 2$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5843} \\ \underline{5841} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 61 = 95 \text{ remainder } 48$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5843} \\ \underline{5795} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 67 = 87 \text{ remainder } 14$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5843} \\ \underline{5829} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 71 = 82 \text{ remainder } 21$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5843} \\ \underline{5822} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5843 \div 73 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5843} \\ \underline{5840} \\ 3 \end{array} \leftarrow \text{remainder}$$

## **P<sub>768</sub> 5849**

$$5849 \div 2 = 2924 \text{ remainder } 1$$

$$\begin{array}{r} 2924 \\ 2 \overline{) 5849} \\ \underline{5848} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 3 = 1949 \text{ remainder } 2$$

$$\begin{array}{r} 1949 \\ 3 \overline{) 5849} \\ \underline{5847} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 5 = 1169 \text{ remainder } 4$$

$$\begin{array}{r} 1169 \\ 5 \overline{) 5849} \\ \underline{5845} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 7 = 835 \text{ remainder } 4$$

$$\begin{array}{r} 835 \\ 7 \overline{) 5849} \\ \underline{5845} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 11 = 531 \text{ remainder } 8$$

$$\begin{array}{r} 531 \\ 11 \overline{) 5849} \\ \underline{5841} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 13 = 449 \text{ remainder } 12$$

$$\begin{array}{r} 449 \\ 13 \overline{) 5849} \\ \underline{5837} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 17 = 344 \text{ remainder } 1$$

$$\begin{array}{r} 344 \\ 17 \overline{) 5849} \\ \underline{5848} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 19 = 307 \text{ remainder } 16$$

$$\begin{array}{r} 307 \\ 19 \overline{) 5849} \\ \underline{5833} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 23 = 254 \text{ remainder } 7$$

$$\begin{array}{r} 254 \\ 23 \overline{) 5849} \\ \underline{5842} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 29 = 201 \text{ remainder } 20$$

$$\begin{array}{r} 201 \\ 29 \overline{) 5849} \\ \underline{5829} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 31 = 188 \text{ remainder } 21$$

$$\begin{array}{r} 188 \\ 31 \overline{) 5849} \end{array}$$

5828  
 ----  
 21 ← remainder

$$5849 \div 37 = 158 \text{ remainder } 3$$

37 |  $\overline{158}$   
 5849  
 5846  
 ----  
 3 ← remainder

$$5849 \div 41 = 142 \text{ remainder } 27$$

41 |  $\overline{142}$   
 5849  
 5822  
 ----  
 27 ← remainder

$$5849 \div 43 = 136 \text{ remainder } 1$$

43 |  $\overline{136}$   
 5849  
 5848  
 ----  
 1 ← remainder

$$5849 \div 47 = 124 \text{ remainder } 21$$

47 |  $\overline{124}$   
 5849  
 5828  
 ----  
 21 ← remainder

$$5849 \div 53 = 110 \text{ remainder } 19$$

53 |  $\overline{110}$   
 5849  
 5830  
 ----  
 19 ← remainder



$$5849 \div 59 = 99 \text{ remainder } 8$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5849} \\ \underline{5841} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 61 = 95 \text{ remainder } 54$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5849} \\ \underline{5795} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 67 = 87 \text{ remainder } 20$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5849} \\ \underline{5829} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 71 = 82 \text{ remainder } 27$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5849} \\ \underline{5822} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5849 \div 73 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5849} \\ \underline{5840} \\ 9 \end{array} \leftarrow \text{remainder}$$

## **P<sub>769</sub> 5851**

$$5851 \div 2 = 2925 \text{ remainder } 1$$

$$\begin{array}{r} 2925 \\ 2 \overline{) 5851} \\ \underline{5850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 3 = 1950 \text{ remainder } 1$$

$$\begin{array}{r} 1950 \\ 3 \overline{) 5851} \\ \underline{5850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 5 = 1170 \text{ remainder } 1$$

$$\begin{array}{r} 1170 \\ 5 \overline{) 5851} \\ \underline{5850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 7 = 835 \text{ remainder } 6$$

$$\begin{array}{r} 835 \\ 7 \overline{) 5851} \\ \underline{5845} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 11 = 531 \text{ remainder } 10$$

$$\begin{array}{r} 531 \\ 11 \overline{) 5851} \\ \underline{5841} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 13 = 450 \text{ remainder } 1$$

$$\begin{array}{r} 450 \\ 13 \overline{) 5851} \\ \underline{5850} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 17 = 344 \text{ remainder } 3$$

$$\begin{array}{r} 344 \\ 17 \overline{) 5851} \\ \underline{5848} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 19 = 307 \text{ remainder } 18$$

$$\begin{array}{r} 307 \\ 19 \overline{) 5851} \\ \underline{5833} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 23 = 254 \text{ remainder } 9$$

$$\begin{array}{r} 254 \\ 23 \overline{) 5851} \\ \underline{5842} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 29 = 201 \text{ remainder } 22$$

$$\begin{array}{r} 201 \\ 29 \overline{) 5851} \\ \underline{5829} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 31 = 188 \text{ remainder } 23$$

$$\begin{array}{r} 188 \\ 31 \overline{) 5851} \end{array}$$

$$\begin{array}{r} 5828 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5851 \div 37 = 158 \text{ remainder } 5$$

$$\begin{array}{r} 158 \\ 37 \overline{) 5851} \\ \underline{5846} \\ 5 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5851 \div 41 = 142 \text{ remainder } 29$$

$$\begin{array}{r} 142 \\ 41 \overline{) 5851} \\ \underline{5822} \\ 29 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5851 \div 43 = 136 \text{ remainder } 3$$

$$\begin{array}{r} 136 \\ 43 \overline{) 5851} \\ \underline{5848} \\ 3 \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5851 \div 47 = 124 \text{ remainder } 23$$

$$\begin{array}{r} 124 \\ 47 \overline{) 5851} \\ \underline{5828} \\ 23 \\ - - - - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5851 \div 53 = 110 \text{ remainder } 21$$

$$\begin{array}{r} 110 \\ 53 \overline{) 5851} \\ \underline{5830} \\ 21 \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$5851 \div 59 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5851} \\ \underline{5841} \phantom{0} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 61 = 95 \text{ remainder } 56$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5851} \\ \underline{5795} \phantom{0} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 67 = 87 \text{ remainder } 22$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5851} \\ \underline{5829} \phantom{0} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 71 = 82 \text{ remainder } 29$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5851} \\ \underline{5822} \phantom{0} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$5851 \div 73 = 80 \text{ remainder } 11$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5851} \\ \underline{5840} \phantom{0} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>770</sub> 5857**

$$5857 \div 2 = 2928 \text{ remainder } 1$$

$$\begin{array}{r} 2928 \\ 2 \overline{) 5857} \\ \underline{5856} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 3 = 1952 \text{ remainder } 1$$

$$\begin{array}{r} 1952 \\ 3 \overline{) 5857} \\ \underline{5856} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 5 = 1171 \text{ remainder } 2$$

$$\begin{array}{r} 1171 \\ 5 \overline{) 5857} \\ \underline{5855} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 7 = 836 \text{ remainder } 5$$

$$\begin{array}{r} 836 \\ 7 \overline{) 5857} \\ \underline{5852} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 11 = 532 \text{ remainder } 5$$

$$\begin{array}{r} 532 \\ 11 \overline{) 5857} \\ \underline{5852} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 13 = 450 \text{ remainder } 7$$

$$\begin{array}{r} 450 \\ 13 \overline{) 5857} \\ \underline{5850} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 17 = 344 \text{ remainder } 9$$

$$\begin{array}{r} 344 \\ 17 \overline{) 5857} \\ \underline{5848} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 19 = 308 \text{ remainder } 5$$

$$\begin{array}{r} 308 \\ 19 \overline{) 5857} \\ \underline{5852} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 23 = 254 \text{ remainder } 15$$

$$\begin{array}{r} 254 \\ 23 \overline{) 5857} \\ \underline{5842} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 29 = 201 \text{ remainder } 28$$

$$\begin{array}{r} 201 \\ 29 \overline{) 5857} \\ \underline{5829} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 31 = 188 \text{ remainder } 29$$

$$\begin{array}{r} 188 \\ 31 \overline{) 5857} \end{array}$$

$$\begin{array}{r} 5828 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5857 \div 37 = 158 \text{ remainder } 11$$

$$\begin{array}{r} 158 \\ 37 \overline{) 5857} \\ \underline{5846} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$5857 \div 41 = 142 \text{ remainder } 35$$

$$\begin{array}{r} 142 \\ 41 \overline{) 5857} \\ \underline{5822} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$5857 \div 43 = 136 \text{ remainder } 9$$

$$\begin{array}{r} 136 \\ 43 \overline{) 5857} \\ \underline{5848} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$5857 \div 47 = 124 \text{ remainder } 29$$

$$\begin{array}{r} 124 \\ 47 \overline{) 5857} \\ \underline{5828} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5857 \div 53 = 110 \text{ remainder } 27$$

$$\begin{array}{r} 110 \\ 53 \overline{) 5857} \\ \underline{5830} \\ 27 \leftarrow \text{remainder} \end{array}$$



$$5857 \div 59 = 99 \text{ remainder } 16$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5857} \\ \underline{5841} \phantom{00} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 61 = 96 \text{ remainder } 1$$

$$\begin{array}{r} 96 \\ 61 \overline{) 5857} \\ \underline{5856} \phantom{00} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 67 = 87 \text{ remainder } 28$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5857} \\ \underline{5829} \phantom{00} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 71 = 82 \text{ remainder } 35$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5857} \\ \underline{5822} \phantom{00} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$5857 \div 73 = 80 \text{ remainder } 17$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5857} \\ \underline{5840} \phantom{00} \\ 17 \end{array} \leftarrow \text{remainder}$$

## **P<sub>771</sub> 5861**

$$5861 \div 2 = 2930 \text{ remainder } 1$$

$$\begin{array}{r} 2930 \\ 2 \overline{) 5861} \\ \underline{5860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 3 = 1953 \text{ remainder } 2$$

$$\begin{array}{r} 1953 \\ 3 \overline{) 5861} \\ \underline{5859} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 5 = 1172 \text{ remainder } 1$$

$$\begin{array}{r} 1172 \\ 5 \overline{) 5861} \\ \underline{5860} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 7 = 837 \text{ remainder } 2$$

$$\begin{array}{r} 837 \\ 7 \overline{) 5861} \\ \underline{5859} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 11 = 532 \text{ remainder } 9$$

$$\begin{array}{r} 532 \\ 11 \overline{) 5861} \\ \underline{5852} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 13 = 450 \text{ remainder } 11$$

$$\begin{array}{r} 450 \\ 13 \overline{) 5861} \\ \underline{5850} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 17 = 344 \text{ remainder } 13$$

$$\begin{array}{r} 344 \\ 17 \overline{) 5861} \\ \underline{5848} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 19 = 308 \text{ remainder } 9$$

$$\begin{array}{r} 308 \\ 19 \overline{) 5861} \\ \underline{5852} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 23 = 254 \text{ remainder } 19$$

$$\begin{array}{r} 254 \\ 23 \overline{) 5861} \\ \underline{5842} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 29 = 202 \text{ remainder } 3$$

$$\begin{array}{r} 202 \\ 29 \overline{) 5861} \\ \underline{5858} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 31 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 31 \overline{) 5861} \end{array}$$

$$\begin{array}{r} 5859 \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5861 \div 37 = 158 \text{ remainder } 15$$

$$\begin{array}{r} 158 \\ 37 \overline{) 5861} \\ \underline{5846} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$5861 \div 41 = 142 \text{ remainder } 39$$

$$\begin{array}{r} 142 \\ 41 \overline{) 5861} \\ \underline{5822} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$5861 \div 43 = 136 \text{ remainder } 13$$

$$\begin{array}{r} 136 \\ 43 \overline{) 5861} \\ \underline{5848} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5861 \div 47 = 124 \text{ remainder } 33$$

$$\begin{array}{r} 124 \\ 47 \overline{) 5861} \\ \underline{5828} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$5861 \div 53 = 110 \text{ remainder } 31$$

$$\begin{array}{r} 110 \\ 53 \overline{) 5861} \\ \underline{5830} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$5861 \div 59 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5861} \\ \underline{5841} \phantom{00} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 61 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 61 \overline{) 5861} \\ \underline{5856} \phantom{00} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 67 = 87 \text{ remainder } 32$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5861} \\ \underline{5829} \phantom{00} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 71 = 82 \text{ remainder } 39$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5861} \\ \underline{5822} \phantom{00} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5861 \div 73 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5861} \\ \underline{5840} \phantom{00} \\ 21 \end{array} \leftarrow \text{remainder}$$

## **P<sub>772</sub> 5867**

$$5867 \div 2 = 2933 \text{ remainder } 1$$

$$\begin{array}{r} 2933 \\ 2 \overline{) 5867} \\ \underline{5866} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 3 = 1955 \text{ remainder } 2$$

$$\begin{array}{r} 1955 \\ 3 \overline{) 5867} \\ \underline{5865} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 5 = 1173 \text{ remainder } 2$$

$$\begin{array}{r} 1173 \\ 5 \overline{) 5867} \\ \underline{5865} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 7 = 838 \text{ remainder } 1$$

$$\begin{array}{r} 838 \\ 7 \overline{) 5867} \\ \underline{5866} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 11 = 533 \text{ remainder } 4$$

$$\begin{array}{r} 533 \\ 11 \overline{) 5867} \\ \underline{5863} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 13 = 451 \text{ remainder } 4$$

$$\begin{array}{r} 451 \\ 13 \overline{) 5867} \\ \underline{5863} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 17 = 345 \text{ remainder } 2$$

$$\begin{array}{r} 345 \\ 17 \overline{) 5867} \\ \underline{5865} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 19 = 308 \text{ remainder } 15$$

$$\begin{array}{r} 308 \\ 19 \overline{) 5867} \\ \underline{5852} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 23 = 255 \text{ remainder } 2$$

$$\begin{array}{r} 255 \\ 23 \overline{) 5867} \\ \underline{5865} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 29 = 202 \text{ remainder } 9$$

$$\begin{array}{r} 202 \\ 29 \overline{) 5867} \\ \underline{5858} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 31 = 189 \text{ remainder } 8$$

$$\begin{array}{r} 189 \\ 31 \overline{) 5867} \end{array}$$

5859

----

8 ← remainder

$$5867 \div 37 = 158 \text{ remainder } 21$$

$$\begin{array}{r} 158 \\ 37 \overline{) 5867} \\ \underline{5846} \end{array}$$

----

21 ← remainder

$$5867 \div 41 = 143 \text{ remainder } 4$$

$$\begin{array}{r} 143 \\ 41 \overline{) 5867} \\ \underline{5863} \end{array}$$

----

4 ← remainder

$$5867 \div 43 = 136 \text{ remainder } 19$$

$$\begin{array}{r} 136 \\ 43 \overline{) 5867} \\ \underline{5848} \end{array}$$

----

19 ← remainder

$$5867 \div 47 = 124 \text{ remainder } 39$$

$$\begin{array}{r} 124 \\ 47 \overline{) 5867} \\ \underline{5828} \end{array}$$

----

39 ← remainder

$$5867 \div 53 = 110 \text{ remainder } 37$$

$$\begin{array}{r} 110 \\ 53 \overline{) 5867} \\ \underline{5830} \end{array}$$

----

37 ← remainder



$$5867 \div 59 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5867} \\ \underline{5841} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 61 = 96 \text{ remainder } 11$$

$$\begin{array}{r} 96 \\ 61 \overline{) 5867} \\ \underline{5856} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 67 = 87 \text{ remainder } 38$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5867} \\ \underline{5829} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 71 = 82 \text{ remainder } 45$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5867} \\ \underline{5822} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$5867 \div 73 = 80 \text{ remainder } 27$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5867} \\ \underline{5840} \\ 27 \end{array} \leftarrow \text{remainder}$$

## **P<sub>773</sub> 5869**

$$5869 \div 2 = 2934 \text{ remainder } 1$$

$$\begin{array}{r} 2934 \\ 2 \overline{) 5869} \\ \underline{5868} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 3 = 1956 \text{ remainder } 1$$

$$\begin{array}{r} 1956 \\ 3 \overline{) 5869} \\ \underline{5868} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 5 = 1173 \text{ remainder } 4$$

$$\begin{array}{r} 1173 \\ 5 \overline{) 5869} \\ \underline{5865} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 7 = 838 \text{ remainder } 3$$

$$\begin{array}{r} 838 \\ 7 \overline{) 5869} \\ \underline{5866} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 11 = 533 \text{ remainder } 6$$

$$\begin{array}{r} 533 \\ 11 \overline{) 5869} \\ \underline{5863} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 13 = 451 \text{ remainder } 6$$

$$\begin{array}{r} 451 \\ 13 \overline{) 5869} \\ \underline{5863} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 17 = 345 \text{ remainder } 4$$

$$\begin{array}{r} 345 \\ 17 \overline{) 5869} \\ \underline{5865} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 19 = 308 \text{ remainder } 17$$

$$\begin{array}{r} 308 \\ 19 \overline{) 5869} \\ \underline{5852} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 23 = 255 \text{ remainder } 4$$

$$\begin{array}{r} 255 \\ 23 \overline{) 5869} \\ \underline{5865} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 29 = 202 \text{ remainder } 11$$

$$\begin{array}{r} 202 \\ 29 \overline{) 5869} \\ \underline{5858} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 31 = 189 \text{ remainder } 10$$

$$\begin{array}{r} 189 \\ 31 \overline{) 5869} \end{array}$$

5859

----

10 ← remainder

$5869 \div 37 = 158 \text{ remainder } 23$

37 |  $\overline{158}$   
 $\overline{5869}$   
5846

----

23 ← remainder

$5869 \div 41 = 143 \text{ remainder } 6$

41 |  $\overline{143}$   
 $\overline{5869}$   
5863

----

6 ← remainder

$5869 \div 43 = 136 \text{ remainder } 21$

43 |  $\overline{136}$   
 $\overline{5869}$   
5848

----

21 ← remainder

$5869 \div 47 = 124 \text{ remainder } 41$

47 |  $\overline{124}$   
 $\overline{5869}$   
5828

----

41 ← remainder

$5869 \div 53 = 110 \text{ remainder } 39$

53 |  $\overline{110}$   
 $\overline{5869}$   
5830

----

39 ← remainder

$$5869 \div 59 = 99 \text{ remainder } 28$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5869} \\ \underline{5841} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 61 = 96 \text{ remainder } 13$$

$$\begin{array}{r} 96 \\ 61 \overline{) 5869} \\ \underline{5856} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 67 = 87 \text{ remainder } 40$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5869} \\ \underline{5829} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 71 = 82 \text{ remainder } 47$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5869} \\ \underline{5822} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$5869 \div 73 = 80 \text{ remainder } 29$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5869} \\ \underline{5840} \\ 29 \end{array} \leftarrow \text{remainder}$$

## **P<sub>774</sub> 5879**

$$5879 \div 2 = 2939 \text{ remainder } 1$$

$$\begin{array}{r} 2939 \\ 2 \overline{) 5879} \\ \underline{5878} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 3 = 1959 \text{ remainder } 2$$

$$\begin{array}{r} 1959 \\ 3 \overline{) 5879} \\ \underline{5877} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 5 = 1175 \text{ remainder } 4$$

$$\begin{array}{r} 1175 \\ 5 \overline{) 5879} \\ \underline{5875} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 7 = 839 \text{ remainder } 6$$

$$\begin{array}{r} 839 \\ 7 \overline{) 5879} \\ \underline{5873} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 11 = 534 \text{ remainder } 5$$

$$\begin{array}{r} 534 \\ 11 \overline{) 5879} \\ \underline{5874} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 13 = 452 \text{ remainder } 3$$

$$\begin{array}{r} 452 \\ 13 \overline{) 5879} \\ \underline{5876} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 17 = 345 \text{ remainder } 14$$

$$\begin{array}{r} 345 \\ 17 \overline{) 5879} \\ \underline{5865} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 19 = 309 \text{ remainder } 8$$

$$\begin{array}{r} 309 \\ 19 \overline{) 5879} \\ \underline{5871} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 23 = 255 \text{ remainder } 14$$

$$\begin{array}{r} 255 \\ 23 \overline{) 5879} \\ \underline{5865} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 29 = 202 \text{ remainder } 21$$

$$\begin{array}{r} 202 \\ 29 \overline{) 5879} \\ \underline{5858} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 31 = 189 \text{ remainder } 20$$

$$\begin{array}{r} 189 \\ 31 \overline{) 5879} \end{array}$$

5859  
 ----  
 20 ← remainder

$$5879 \div 37 = 158 \text{ remainder } 33$$

37 |  $\overline{158}$   
 $\overline{5879}$   
 5846  
 ----  
 33 ← remainder

$$5879 \div 41 = 143 \text{ remainder } 16$$

41 |  $\overline{143}$   
 $\overline{5879}$   
 5863  
 ----  
 16 ← remainder

$$5879 \div 43 = 136 \text{ remainder } 31$$

43 |  $\overline{136}$   
 $\overline{5879}$   
 5848  
 ----  
 31 ← remainder

$$5879 \div 47 = 125 \text{ remainder } 4$$

47 |  $\overline{125}$   
 $\overline{5879}$   
 5875  
 ----  
 4 ← remainder

$$5879 \div 53 = 110 \text{ remainder } 49$$

53 |  $\overline{110}$   
 $\overline{5879}$   
 5830  
 ----  
 49 ← remainder



$$5879 \div 59 = 99 \text{ remainder } 38$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5879} \\ \underline{5841} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 61 = 96 \text{ remainder } 23$$

$$\begin{array}{r} 96 \\ 61 \overline{) 5879} \\ \underline{5856} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 67 = 87 \text{ remainder } 50$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5879} \\ \underline{5829} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 71 = 82 \text{ remainder } 57$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5879} \\ \underline{5822} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$5879 \div 73 = 80 \text{ remainder } 39$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5879} \\ \underline{5840} \\ 39 \end{array} \leftarrow \text{remainder}$$

## **P<sub>775</sub> 5881**

$$5881 \div 2 = 2940 \text{ remainder } 1$$

$$\begin{array}{r} 2940 \\ 2 \overline{) 5881} \\ \underline{5880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 3 = 1960 \text{ remainder } 1$$

$$\begin{array}{r} 1960 \\ 3 \overline{) 5881} \\ \underline{5880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 5 = 1176 \text{ remainder } 1$$

$$\begin{array}{r} 1176 \\ 5 \overline{) 5881} \\ \underline{5880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 7 = 840 \text{ remainder } 1$$

$$\begin{array}{r} 840 \\ 7 \overline{) 5881} \\ \underline{5880} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 11 = 534 \text{ remainder } 7$$

$$\begin{array}{r} 534 \\ 11 \overline{) 5881} \\ \underline{5874} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 13 = 452 \text{ remainder } 5$$

$$\begin{array}{r} 452 \\ 13 \overline{) 5881} \\ \underline{5876} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 17 = 345 \text{ remainder } 16$$

$$\begin{array}{r} 345 \\ 17 \overline{) 5881} \\ \underline{5865} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 19 = 309 \text{ remainder } 10$$

$$\begin{array}{r} 309 \\ 19 \overline{) 5881} \\ \underline{5871} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 23 = 255 \text{ remainder } 16$$

$$\begin{array}{r} 255 \\ 23 \overline{) 5881} \\ \underline{5865} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 29 = 202 \text{ remainder } 23$$

$$\begin{array}{r} 202 \\ 29 \overline{) 5881} \\ \underline{5858} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 31 = 189 \text{ remainder } 22$$

$$\begin{array}{r} 189 \\ 31 \overline{) 5881} \end{array}$$

5859  
 ----  
 22 ← remainder

$$5881 \div 37 = 158 \text{ remainder } 35$$

158  
 37 | 5881  
 5846  
 ----  
 35 ← remainder

$$5881 \div 41 = 143 \text{ remainder } 18$$

143  
 41 | 5881  
 5863  
 ----  
 18 ← remainder

$$5881 \div 43 = 136 \text{ remainder } 33$$

136  
 43 | 5881  
 5848  
 ----  
 33 ← remainder

$$5881 \div 47 = 125 \text{ remainder } 6$$

125  
 47 | 5881  
 5875  
 ----  
 6 ← remainder

$$5881 \div 53 = 110 \text{ remainder } 51$$

110  
 53 | 5881  
 5830  
 ----  
 51 ← remainder

$$5881 \div 59 = 99 \text{ remainder } 40$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5881} \\ \underline{5841} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 61 = 96 \text{ remainder } 25$$

$$\begin{array}{r} 96 \\ 61 \overline{) 5881} \\ \underline{5856} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 67 = 87 \text{ remainder } 52$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5881} \\ \underline{5829} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 71 = 82 \text{ remainder } 59$$

$$\begin{array}{r} 82 \\ 71 \overline{) 5881} \\ \underline{5822} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$5881 \div 73 = 80 \text{ remainder } 41$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5881} \\ \underline{5840} \\ 41 \end{array} \leftarrow \text{remainder}$$

## **P<sub>776</sub> 5897**

$$5897 \div 2 = 2948 \text{ remainder } 1$$

$$\begin{array}{r} 2948 \\ 2 \overline{) 5897} \\ \underline{5896} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 3 = 1965 \text{ remainder } 2$$

$$\begin{array}{r} 1965 \\ 3 \overline{) 5897} \\ \underline{5895} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 5 = 1179 \text{ remainder } 2$$

$$\begin{array}{r} 1179 \\ 5 \overline{) 5897} \\ \underline{5895} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 7 = 842 \text{ remainder } 3$$

$$\begin{array}{r} 842 \\ 7 \overline{) 5897} \\ \underline{5894} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 11 = 536 \text{ remainder } 1$$

$$\begin{array}{r} 536 \\ 11 \overline{) 5897} \\ \underline{5896} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 13 = 453 \text{ remainder } 8$$

$$\begin{array}{r} 453 \\ 13 \overline{) 5897} \\ \underline{5889} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 17 = 346 \text{ remainder } 15$$

$$\begin{array}{r} 346 \\ 17 \overline{) 5897} \\ \underline{5882} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 19 = 310 \text{ remainder } 7$$

$$\begin{array}{r} 310 \\ 19 \overline{) 5897} \\ \underline{5890} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 23 = 256 \text{ remainder } 9$$

$$\begin{array}{r} 256 \\ 23 \overline{) 5897} \\ \underline{5888} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 29 = 203 \text{ remainder } 10$$

$$\begin{array}{r} 203 \\ 29 \overline{) 5897} \\ \underline{5887} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5897 \div 31 = 190 \text{ remainder } 7$$

$$\begin{array}{r} 190 \\ 31 \overline{) 5897} \end{array}$$

$$\begin{array}{r} 5890 \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5897 \div 37 = 159 \text{ remainder } 14$$

$$\begin{array}{r} 159 \\ 37 \overline{) 5897} \\ \underline{5883} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$5897 \div 41 = 143 \text{ remainder } 34$$

$$\begin{array}{r} 143 \\ 41 \overline{) 5897} \\ \underline{5863} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$5897 \div 43 = 137 \text{ remainder } 6$$

$$\begin{array}{r} 137 \\ 43 \overline{) 5897} \\ \underline{5891} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5897 \div 47 = 125 \text{ remainder } 22$$

$$\begin{array}{r} 125 \\ 47 \overline{) 5897} \\ \underline{5875} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$5897 \div 53 = 111 \text{ remainder } 14$$

$$\begin{array}{r} 111 \\ 53 \overline{) 5897} \\ \underline{5883} \\ 14 \leftarrow \text{remainder} \end{array}$$



$$5897 \div 59 = 99 \text{ remainder } 56$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5897} \\ \underline{5841} \phantom{00} \\ 56 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5897 \div 61 = 96 \text{ remainder } 41$$

$$\begin{array}{r} 96 \\ 61 \overline{) 5897} \\ \underline{5856} \phantom{00} \\ 41 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5897 \div 67 = 88 \text{ remainder } 1$$

$$\begin{array}{r} 88 \\ 67 \overline{) 5897} \\ \underline{5896} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5897 \div 71 = 83 \text{ remainder } 4$$

$$\begin{array}{r} 83 \\ 71 \overline{) 5897} \\ \underline{5893} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$5897 \div 73 = 80 \text{ remainder } 57$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5897} \\ \underline{5840} \phantom{00} \\ 57 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>777</sub> 5903**

$$5903 \div 2 = 2951 \text{ remainder } 1$$

$$\begin{array}{r} 2951 \text{ ---} \\ 2 \mid 5903 \\ \underline{5902} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 3 = 1967 \text{ remainder } 2$$

$$\begin{array}{r} 1967 \text{ ---} \\ 3 \mid 5903 \\ \underline{5901} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 5 = 1180 \text{ remainder } 3$$

$$\begin{array}{r} 1180 \text{ ---} \\ 5 \mid 5903 \\ \underline{5900} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 7 = 843 \text{ remainder } 2$$

$$\begin{array}{r} 843 \text{ ---} \\ 7 \mid 5903 \\ \underline{5901} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 11 = 536 \text{ remainder } 7$$

$$\begin{array}{r} 536 \text{ ---} \\ 11 \mid 5903 \\ \underline{5896} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 13 = 454 \text{ remainder } 1$$

$$\begin{array}{r} 454 \\ 13 \overline{) 5903} \\ \underline{5902} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 17 = 347 \text{ remainder } 4$$

$$\begin{array}{r} 347 \\ 17 \overline{) 5903} \\ \underline{5899} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 19 = 310 \text{ remainder } 13$$

$$\begin{array}{r} 310 \\ 19 \overline{) 5903} \\ \underline{5890} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 23 = 256 \text{ remainder } 15$$

$$\begin{array}{r} 256 \\ 23 \overline{) 5903} \\ \underline{5888} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 29 = 203 \text{ remainder } 16$$

$$\begin{array}{r} 203 \\ 29 \overline{) 5903} \\ \underline{5887} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 31 = 190 \text{ remainder } 13$$

$$\begin{array}{r} 190 \\ 31 \overline{) 5903} \end{array}$$

$$\begin{array}{r} 5890 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 37 = 159 \text{ remainder } 20$$

$$\begin{array}{r} 159 \\ 37 \overline{) 5903} \\ \underline{5883} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 41 = 143 \text{ remainder } 40$$

$$\begin{array}{r} 143 \\ 41 \overline{) 5903} \\ \underline{5863} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 43 = 137 \text{ remainder } 12$$

$$\begin{array}{r} 137 \\ 43 \overline{) 5903} \\ \underline{5891} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 47 = 125 \text{ remainder } 28$$

$$\begin{array}{r} 125 \\ 47 \overline{) 5903} \\ \underline{5875} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 53 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 53 \overline{) 5903} \\ \underline{5883} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 59 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 59 \overline{) 5903} \\ \underline{5900} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 61 = 96 \text{ remainder } 47$$

$$\begin{array}{r} 96 \\ 61 \overline{) 5903} \\ \underline{5856} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 67 = 88 \text{ remainder } 7$$

$$\begin{array}{r} 88 \\ 67 \overline{) 5903} \\ \underline{5896} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 71 = 83 \text{ remainder } 10$$

$$\begin{array}{r} 83 \\ 71 \overline{) 5903} \\ \underline{5893} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5903 \div 73 = 80 \text{ remainder } 63$$

$$\begin{array}{r} 80 \\ 73 \overline{) 5903} \\ \underline{5840} \\ 63 \end{array} \leftarrow \text{remainder}$$

## **P<sub>778</sub> 5923**

$$5923 \div 2 = 2961 \text{ remainder } 1$$

$$\begin{array}{r} 2961 \\ 2 \overline{) 5923} \\ \underline{5922} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 3 = 1974 \text{ remainder } 1$$

$$\begin{array}{r} 1974 \\ 3 \overline{) 5923} \\ \underline{5922} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 5 = 1184 \text{ remainder } 3$$

$$\begin{array}{r} 1184 \\ 5 \overline{) 5923} \\ \underline{5920} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 7 = 846 \text{ remainder } 1$$

$$\begin{array}{r} 846 \\ 7 \overline{) 5923} \\ \underline{5922} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 11 = 538 \text{ remainder } 5$$

$$\begin{array}{r} 538 \\ 11 \overline{) 5923} \\ \underline{5918} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 13 = 455 \text{ remainder } 8$$

$$\begin{array}{r} 455 \\ 13 \overline{) 5923} \\ \underline{5915} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 17 = 348 \text{ remainder } 7$$

$$\begin{array}{r} 348 \\ 17 \overline{) 5923} \\ \underline{5916} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 19 = 311 \text{ remainder } 14$$

$$\begin{array}{r} 311 \\ 19 \overline{) 5923} \\ \underline{5909} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 23 = 257 \text{ remainder } 12$$

$$\begin{array}{r} 257 \\ 23 \overline{) 5923} \\ \underline{5911} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 29 = 204 \text{ remainder } 7$$

$$\begin{array}{r} 204 \\ 29 \overline{) 5923} \\ \underline{5916} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 31 = 191 \text{ remainder } 2$$

$$\begin{array}{r} 191 \\ 31 \overline{) 5923} \end{array}$$

$$\begin{array}{r} 5921 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5923 \div 37 = 160 \text{ remainder } 3$$

$$\begin{array}{r} 160 \\ 37 \mid \overline{5923} \\ \underline{5920} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$5923 \div 41 = 144 \text{ remainder } 19$$

$$\begin{array}{r} 144 \\ 41 \mid \overline{5923} \\ \underline{5904} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5923 \div 43 = 137 \text{ remainder } 32$$

$$\begin{array}{r} 137 \\ 43 \mid \overline{5923} \\ \underline{5891} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$5923 \div 47 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 47 \mid \overline{5923} \\ \underline{5922} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5923 \div 53 = 111 \text{ remainder } 40$$

$$\begin{array}{r} 111 \\ 53 \mid \overline{5923} \\ \underline{5883} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$



$$5923 \div 59 = 100 \text{ remainder } 23$$

$$\begin{array}{r} 100 \\ 59 \overline{) 5923} \\ \underline{5900} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 61 = 97 \text{ remainder } 6$$

$$\begin{array}{r} 97 \\ 61 \overline{) 5923} \\ \underline{5917} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 67 = 88 \text{ remainder } 27$$

$$\begin{array}{r} 88 \\ 67 \overline{) 5923} \\ \underline{5896} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 71 = 83 \text{ remainder } 30$$

$$\begin{array}{r} 83 \\ 71 \overline{) 5923} \\ \underline{5893} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$5923 \div 73 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 73 \overline{) 5923} \\ \underline{5913} \\ 10 \end{array} \leftarrow \text{remainder}$$

## **P<sub>779</sub> 5927**

$$5927 \div 2 = 2963 \text{ remainder } 1$$

$$\begin{array}{r} 2963 \\ 2 \overline{) 5927} \\ \underline{5926} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 3 = 1975 \text{ remainder } 2$$

$$\begin{array}{r} 1975 \\ 3 \overline{) 5927} \\ \underline{5925} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 5 = 1185 \text{ remainder } 2$$

$$\begin{array}{r} 1185 \\ 5 \overline{) 5927} \\ \underline{5925} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 7 = 846 \text{ remainder } 5$$

$$\begin{array}{r} 846 \\ 7 \overline{) 5927} \\ \underline{5922} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 11 = 538 \text{ remainder } 9$$

$$\begin{array}{r} 538 \\ 11 \overline{) 5927} \\ \underline{5918} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 13 = 455 \text{ remainder } 12$$

$$\begin{array}{r} 455 \\ 13 \overline{) 5927} \\ \underline{5915} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 17 = 348 \text{ remainder } 11$$

$$\begin{array}{r} 348 \\ 17 \overline{) 5927} \\ \underline{5916} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 19 = 311 \text{ remainder } 18$$

$$\begin{array}{r} 311 \\ 19 \overline{) 5927} \\ \underline{5909} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 23 = 257 \text{ remainder } 16$$

$$\begin{array}{r} 257 \\ 23 \overline{) 5927} \\ \underline{5911} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 29 = 204 \text{ remainder } 11$$

$$\begin{array}{r} 204 \\ 29 \overline{) 5927} \\ \underline{5916} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 31 = 191 \text{ remainder } 6$$

$$\begin{array}{r} 191 \\ 31 \overline{) 5927} \end{array}$$

$$\begin{array}{r} 5921 \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$5927 \div 37 = 160 \text{ remainder } 7$$

$$\begin{array}{r} 160 \\ 37 \mid \overline{5927} \\ \underline{5920} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$5927 \div 41 = 144 \text{ remainder } 23$$

$$\begin{array}{r} 144 \\ 41 \mid \overline{5927} \\ \underline{5904} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5927 \div 43 = 137 \text{ remainder } 36$$

$$\begin{array}{r} 137 \\ 43 \mid \overline{5927} \\ \underline{5891} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$5927 \div 47 = 126 \text{ remainder } 5$$

$$\begin{array}{r} 126 \\ 47 \mid \overline{5927} \\ \underline{5922} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5927 \div 53 = 111 \text{ remainder } 44$$

$$\begin{array}{r} 111 \\ 53 \mid \overline{5927} \\ \underline{5883} \\ \text{----} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$5927 \div 59 = 100 \text{ remainder } 27$$

$$\begin{array}{r} 100 \\ 59 \overline{) 5927} \\ \underline{5900} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 61 = 97 \text{ remainder } 10$$

$$\begin{array}{r} 97 \\ 61 \overline{) 5927} \\ \underline{5917} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 67 = 88 \text{ remainder } 31$$

$$\begin{array}{r} 88 \\ 67 \overline{) 5927} \\ \underline{5896} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 71 = 83 \text{ remainder } 34$$

$$\begin{array}{r} 83 \\ 71 \overline{) 5927} \\ \underline{5893} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$5927 \div 73 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 73 \overline{) 5927} \\ \underline{5913} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>780</sub> 5939**

$$5939 \div 2 = 2969 \text{ remainder } 1$$

$$\begin{array}{r} 2969 \\ 2 \overline{) 5939} \\ \underline{5938} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 3 = 1979 \text{ remainder } 2$$

$$\begin{array}{r} 1979 \\ 3 \overline{) 5939} \\ \underline{5937} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 5 = 1187 \text{ remainder } 4$$

$$\begin{array}{r} 1187 \\ 5 \overline{) 5939} \\ \underline{5935} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 7 = 848 \text{ remainder } 3$$

$$\begin{array}{r} 848 \\ 7 \overline{) 5939} \\ \underline{5936} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 11 = 539 \text{ remainder } 10$$

$$\begin{array}{r} 539 \\ 11 \overline{) 5939} \\ \underline{5929} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 13 = 456 \text{ remainder } 11$$

$$\begin{array}{r} 456 \\ 13 \overline{) 5939} \\ \underline{5928} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 17 = 349 \text{ remainder } 6$$

$$\begin{array}{r} 349 \\ 17 \overline{) 5939} \\ \underline{5933} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 19 = 312 \text{ remainder } 11$$

$$\begin{array}{r} 312 \\ 19 \overline{) 5939} \\ \underline{5928} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 23 = 258 \text{ remainder } 5$$

$$\begin{array}{r} 258 \\ 23 \overline{) 5939} \\ \underline{5934} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 29 = 204 \text{ remainder } 23$$

$$\begin{array}{r} 204 \\ 29 \overline{) 5939} \\ \underline{5916} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 31 = 191 \text{ remainder } 18$$

$$\begin{array}{r} 191 \\ 31 \overline{) 5939} \end{array}$$

$$\begin{array}{r} 5921 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$5939 \div 37 = 160 \text{ remainder } 19$$

$$\begin{array}{r} 160 \\ 37 \mid \overline{5939} \\ \underline{5920} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5939 \div 41 = 144 \text{ remainder } 35$$

$$\begin{array}{r} 144 \\ 41 \mid \overline{5939} \\ \underline{5904} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$5939 \div 43 = 138 \text{ remainder } 5$$

$$\begin{array}{r} 138 \\ 43 \mid \overline{5939} \\ \underline{5934} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$5939 \div 47 = 126 \text{ remainder } 17$$

$$\begin{array}{r} 126 \\ 47 \mid \overline{5939} \\ \underline{5922} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5939 \div 53 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 53 \mid \overline{5939} \\ \underline{5936} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$



$$5939 \div 59 = 100 \text{ remainder } 39$$

$$\begin{array}{r} 100 \\ 59 \overline{) 5939} \\ \underline{5900} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 61 = 97 \text{ remainder } 22$$

$$\begin{array}{r} 97 \\ 61 \overline{) 5939} \\ \underline{5917} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 67 = 88 \text{ remainder } 43$$

$$\begin{array}{r} 88 \\ 67 \overline{) 5939} \\ \underline{5896} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 71 = 83 \text{ remainder } 46$$

$$\begin{array}{r} 83 \\ 71 \overline{) 5939} \\ \underline{5893} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$5939 \div 73 = 81 \text{ remainder } 26$$

$$\begin{array}{r} 81 \\ 73 \overline{) 5939} \\ \underline{5913} \\ 26 \end{array} \leftarrow \text{remainder}$$

## **P<sub>781</sub> 5953**

$$5953 \div 2 = 2976 \text{ remainder } 1$$

$$\begin{array}{r} 2976 \\ 2 \overline{) 5953} \\ \underline{5952} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 3 = 1984 \text{ remainder } 1$$

$$\begin{array}{r} 1984 \\ 3 \overline{) 5953} \\ \underline{5952} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 5 = 1190 \text{ remainder } 3$$

$$\begin{array}{r} 1190 \\ 5 \overline{) 5953} \\ \underline{5950} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 7 = 850 \text{ remainder } 3$$

$$\begin{array}{r} 850 \\ 7 \overline{) 5953} \\ \underline{5950} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 11 = 541 \text{ remainder } 2$$

$$\begin{array}{r} 541 \\ 11 \overline{) 5953} \\ \underline{5951} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 13 = 457 \text{ remainder } 12$$

$$\begin{array}{r} 457 \\ 13 \overline{) 5953} \\ \underline{5941} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 17 = 350 \text{ remainder } 3$$

$$\begin{array}{r} 350 \\ 17 \overline{) 5953} \\ \underline{5950} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 19 = 313 \text{ remainder } 6$$

$$\begin{array}{r} 313 \\ 19 \overline{) 5953} \\ \underline{5947} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 23 = 258 \text{ remainder } 19$$

$$\begin{array}{r} 258 \\ 23 \overline{) 5953} \\ \underline{5934} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 29 = 205 \text{ remainder } 8$$

$$\begin{array}{r} 205 \\ 29 \overline{) 5953} \\ \underline{5945} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 31 = 192 \text{ remainder } 1$$

$$\begin{array}{r} 192 \\ 31 \overline{) 5953} \end{array}$$

$$\begin{array}{r} 5952 \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5953 \div 37 = 160 \text{ remainder } 33$$

$$\begin{array}{r} 160 \\ 37 \mid \overline{5953} \\ \underline{5920} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$5953 \div 41 = 145 \text{ remainder } 8$$

$$\begin{array}{r} 145 \\ 41 \mid \overline{5953} \\ \underline{5945} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$5953 \div 43 = 138 \text{ remainder } 19$$

$$\begin{array}{r} 138 \\ 43 \mid \overline{5953} \\ \underline{5934} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$5953 \div 47 = 126 \text{ remainder } 31$$

$$\begin{array}{r} 126 \\ 47 \mid \overline{5953} \\ \underline{5922} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$5953 \div 53 = 112 \text{ remainder } 17$$

$$\begin{array}{r} 112 \\ 53 \mid \overline{5953} \\ \underline{5936} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$5953 \div 59 = 100 \text{ remainder } 53$$

$$\begin{array}{r} 100 \\ 59 \overline{) 5953} \\ \underline{5900} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 61 = 97 \text{ remainder } 36$$

$$\begin{array}{r} 97 \\ 61 \overline{) 5953} \\ \underline{5917} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 67 = 88 \text{ remainder } 57$$

$$\begin{array}{r} 88 \\ 67 \overline{) 5953} \\ \underline{5896} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 71 = 83 \text{ remainder } 60$$

$$\begin{array}{r} 83 \\ 71 \overline{) 5953} \\ \underline{5893} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$5953 \div 73 = 81 \text{ remainder } 40$$

$$\begin{array}{r} 81 \\ 73 \overline{) 5953} \\ \underline{5913} \\ 40 \end{array} \leftarrow \text{remainder}$$

## **P<sub>782</sub> 5981**

$$5981 \div 2 = 2990 \text{ remainder } 1$$

$$\begin{array}{r} 2990 \\ 2 \overline{) 5981} \\ \underline{5980} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 3 = 1993 \text{ remainder } 2$$

$$\begin{array}{r} 1993 \\ 3 \overline{) 5981} \\ \underline{5979} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 5 = 1196 \text{ remainder } 1$$

$$\begin{array}{r} 1196 \\ 5 \overline{) 5981} \\ \underline{5980} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 7 = 854 \text{ remainder } 3$$

$$\begin{array}{r} 854 \\ 7 \overline{) 5981} \\ \underline{5978} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 11 = 543 \text{ remainder } 8$$

$$\begin{array}{r} 543 \\ 11 \overline{) 5981} \\ \underline{5973} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 13 = 460 \text{ remainder } 1$$

$$\begin{array}{r} 460 \\ 13 \overline{) 5981} \\ \underline{5980} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 17 = 351 \text{ remainder } 14$$

$$\begin{array}{r} 351 \\ 17 \overline{) 5981} \\ \underline{5967} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 19 = 314 \text{ remainder } 15$$

$$\begin{array}{r} 314 \\ 19 \overline{) 5981} \\ \underline{5966} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 23 = 260 \text{ remainder } 1$$

$$\begin{array}{r} 260 \\ 23 \overline{) 5981} \\ \underline{5980} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 29 = 206 \text{ remainder } 7$$

$$\begin{array}{r} 206 \\ 29 \overline{) 5981} \\ \underline{5974} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 31 = 192 \text{ remainder } 29$$

$$\begin{array}{r} 192 \\ 31 \overline{) 5981} \end{array}$$

$$\begin{array}{r} 5952 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$5981 \div 37 = 161 \text{ remainder } 24$$

$$\begin{array}{r} 161 \\ 37 \overline{) 5981} \\ \underline{5957} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$5981 \div 41 = 145 \text{ remainder } 36$$

$$\begin{array}{r} 145 \\ 41 \overline{) 5981} \\ \underline{5945} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$5981 \div 43 = 139 \text{ remainder } 4$$

$$\begin{array}{r} 139 \\ 43 \overline{) 5981} \\ \underline{5977} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$5981 \div 47 = 127 \text{ remainder } 12$$

$$\begin{array}{r} 127 \\ 47 \overline{) 5981} \\ \underline{5969} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$5981 \div 53 = 112 \text{ remainder } 45$$

$$\begin{array}{r} 112 \\ 53 \overline{) 5981} \\ \underline{5936} \\ 45 \leftarrow \text{remainder} \end{array}$$



$$5981 \div 59 = 101 \text{ remainder } 22$$

$$\begin{array}{r} 101 \\ 59 \overline{) 5981} \\ \underline{5959} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 61 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 61 \overline{) 5981} \\ \underline{5978} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 67 = 89 \text{ remainder } 18$$

$$\begin{array}{r} 89 \\ 67 \overline{) 5981} \\ \underline{5963} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 71 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 71 \overline{) 5981} \\ \underline{5964} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$5981 \div 73 = 81 \text{ remainder } 68$$

$$\begin{array}{r} 81 \\ 73 \overline{) 5981} \\ \underline{5913} \\ 68 \end{array} \leftarrow \text{remainder}$$

## **P<sub>783</sub> 5987**

$$5987 \div 2 = 2993 \text{ remainder } 1$$

$$\begin{array}{r} 2993 \\ 2 \overline{) 5987} \\ \underline{5986} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 3 = 1995 \text{ remainder } 2$$

$$\begin{array}{r} 1995 \\ 3 \overline{) 5987} \\ \underline{5985} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 5 = 1197 \text{ remainder } 2$$

$$\begin{array}{r} 1197 \\ 5 \overline{) 5987} \\ \underline{5985} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 7 = 855 \text{ remainder } 2$$

$$\begin{array}{r} 855 \\ 7 \overline{) 5987} \\ \underline{5985} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 11 = 544 \text{ remainder } 3$$

$$\begin{array}{r} 544 \\ 11 \overline{) 5987} \\ \underline{5984} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 13 = 460 \text{ remainder } 7$$

$$\begin{array}{r} 460 \\ 13 \overline{) 5987} \\ \underline{5980} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 17 = 352 \text{ remainder } 3$$

$$\begin{array}{r} 352 \\ 17 \overline{) 5987} \\ \underline{5984} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 19 = 315 \text{ remainder } 2$$

$$\begin{array}{r} 315 \\ 19 \overline{) 5987} \\ \underline{5985} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 23 = 260 \text{ remainder } 7$$

$$\begin{array}{r} 260 \\ 23 \overline{) 5987} \\ \underline{5980} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 29 = 206 \text{ remainder } 13$$

$$\begin{array}{r} 206 \\ 29 \overline{) 5987} \\ \underline{5974} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 31 = 193 \text{ remainder } 4$$

$$\begin{array}{r} 193 \\ 31 \overline{) 5987} \end{array}$$

5983

----

4 ← remainder

$5987 \div 37 = 161 \text{ remainder } 30$

37 |  $\overline{161}$   
 $\overline{5987}$   
5957

----

30 ← remainder

$5987 \div 41 = 146 \text{ remainder } 1$

41 |  $\overline{146}$   
 $\overline{5987}$   
5986

----

1 ← remainder

$5987 \div 43 = 139 \text{ remainder } 10$

43 |  $\overline{139}$   
 $\overline{5987}$   
5977

----

10 ← remainder

$5987 \div 47 = 127 \text{ remainder } 18$

47 |  $\overline{127}$   
 $\overline{5987}$   
5969

----

18 ← remainder

$5987 \div 53 = 112 \text{ remainder } 51$

53 |  $\overline{112}$   
 $\overline{5987}$   
5936

----

51 ← remainder

$$5987 \div 59 = 101 \text{ remainder } 28$$

$$\begin{array}{r} 101 \\ 59 \overline{) 5987} \\ \underline{5959} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 61 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 61 \overline{) 5987} \\ \underline{5978} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 67 = 89 \text{ remainder } 24$$

$$\begin{array}{r} 89 \\ 67 \overline{) 5987} \\ \underline{5963} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 71 = 84 \text{ remainder } 23$$

$$\begin{array}{r} 84 \\ 71 \overline{) 5987} \\ \underline{5964} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$5987 \div 73 = 82 \text{ remainder } 1$$

$$\begin{array}{r} 82 \\ 73 \overline{) 5987} \\ \underline{5986} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>784</sub> 6007**

$$6007 \div 2 = 3003 \text{ remainder } 1$$

$$\begin{array}{r} 3003 \\ 2 \overline{) 6007} \\ \underline{6006} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 3 = 2002 \text{ remainder } 1$$

$$\begin{array}{r} 2002 \\ 3 \overline{) 6007} \\ \underline{6006} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 5 = 1201 \text{ remainder } 2$$

$$\begin{array}{r} 1201 \\ 5 \overline{) 6007} \\ \underline{6005} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 7 = 858 \text{ remainder } 1$$

$$\begin{array}{r} 858 \\ 7 \overline{) 6007} \\ \underline{6006} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 11 = 546 \text{ remainder } 1$$

$$\begin{array}{r} 546 \\ 11 \overline{) 6007} \\ \underline{6006} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 13 = 462 \text{ remainder } 1$$

$$\begin{array}{r} 462 \\ 13 \overline{) 6007} \\ \underline{6006} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 17 = 353 \text{ remainder } 6$$

$$\begin{array}{r} 353 \\ 17 \overline{) 6007} \\ \underline{6001} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 19 = 316 \text{ remainder } 3$$

$$\begin{array}{r} 316 \\ 19 \overline{) 6007} \\ \underline{6004} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 23 = 261 \text{ remainder } 4$$

$$\begin{array}{r} 261 \\ 23 \overline{) 6007} \\ \underline{6003} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 29 = 207 \text{ remainder } 4$$

$$\begin{array}{r} 207 \\ 29 \overline{) 6007} \\ \underline{6003} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 31 = 193 \text{ remainder } 24$$

$$\begin{array}{r} 193 \\ 31 \overline{) 6007} \end{array}$$

5983

----

24 ← remainder

$$6007 \div 37 = 162 \text{ remainder } 13$$

$$\begin{array}{r} 162 \\ 37 \overline{) 6007} \\ \underline{5994} \end{array}$$

----

13 ← remainder

$$6007 \div 41 = 146 \text{ remainder } 21$$

$$\begin{array}{r} 146 \\ 41 \overline{) 6007} \\ \underline{5986} \end{array}$$

----

21 ← remainder

$$6007 \div 43 = 139 \text{ remainder } 30$$

$$\begin{array}{r} 139 \\ 43 \overline{) 6007} \\ \underline{5977} \end{array}$$

----

30 ← remainder

$$6007 \div 47 = 127 \text{ remainder } 38$$

$$\begin{array}{r} 127 \\ 47 \overline{) 6007} \\ \underline{5969} \end{array}$$

----

38 ← remainder

$$6007 \div 53 = 113 \text{ remainder } 18$$

$$\begin{array}{r} 113 \\ 53 \overline{) 6007} \\ \underline{5989} \end{array}$$

----

18 ← remainder



$$6007 \div 59 = 101 \text{ remainder } 48$$

$$\begin{array}{r} 101 \\ 59 \overline{) 6007} \\ \underline{5959} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 61 = 98 \text{ remainder } 29$$

$$\begin{array}{r} 98 \\ 61 \overline{) 6007} \\ \underline{5978} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 67 = 89 \text{ remainder } 44$$

$$\begin{array}{r} 89 \\ 67 \overline{) 6007} \\ \underline{5963} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 71 = 84 \text{ remainder } 43$$

$$\begin{array}{r} 84 \\ 71 \overline{) 6007} \\ \underline{5964} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$6007 \div 73 = 82 \text{ remainder } 21$$

$$\begin{array}{r} 82 \\ 73 \overline{) 6007} \\ \underline{5986} \\ 21 \end{array} \leftarrow \text{remainder}$$

## **P<sub>785</sub> 6011**

$$6011 \div 2 = 3005 \text{ remainder } 1$$

$$\begin{array}{r} 3005 \\ 2 \overline{) 6011} \\ \underline{6010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 3 = 2003 \text{ remainder } 2$$

$$\begin{array}{r} 2003 \\ 3 \overline{) 6011} \\ \underline{6009} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 5 = 1202 \text{ remainder } 1$$

$$\begin{array}{r} 1202 \\ 5 \overline{) 6011} \\ \underline{6010} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 7 = 858 \text{ remainder } 5$$

$$\begin{array}{r} 858 \\ 7 \overline{) 6011} \\ \underline{6006} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 11 = 546 \text{ remainder } 5$$

$$\begin{array}{r} 546 \\ 11 \overline{) 6011} \\ \underline{6006} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 13 = 462 \text{ remainder } 5$$

$$\begin{array}{r} 462 \\ 13 \overline{) 6011} \\ \underline{6006} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 17 = 353 \text{ remainder } 10$$

$$\begin{array}{r} 353 \\ 17 \overline{) 6011} \\ \underline{6001} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 19 = 316 \text{ remainder } 7$$

$$\begin{array}{r} 316 \\ 19 \overline{) 6011} \\ \underline{6004} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 23 = 261 \text{ remainder } 8$$

$$\begin{array}{r} 261 \\ 23 \overline{) 6011} \\ \underline{6003} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 29 = 207 \text{ remainder } 8$$

$$\begin{array}{r} 207 \\ 29 \overline{) 6011} \\ \underline{6003} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 31 = 193 \text{ remainder } 28$$

$$\begin{array}{r} 193 \\ 31 \overline{) 6011} \end{array}$$

5983

----

28 ← remainder

$$6011 \div 37 = 162 \text{ remainder } 17$$

$$\begin{array}{r} 162 \\ 37 \overline{) 6011} \\ \underline{5994} \end{array}$$

----

17 ← remainder

$$6011 \div 41 = 146 \text{ remainder } 25$$

$$\begin{array}{r} 146 \\ 41 \overline{) 6011} \\ \underline{5986} \end{array}$$

----

25 ← remainder

$$6011 \div 43 = 139 \text{ remainder } 34$$

$$\begin{array}{r} 139 \\ 43 \overline{) 6011} \\ \underline{5977} \end{array}$$

----

34 ← remainder

$$6011 \div 47 = 127 \text{ remainder } 42$$

$$\begin{array}{r} 127 \\ 47 \overline{) 6011} \\ \underline{5969} \end{array}$$

----

42 ← remainder

$$6011 \div 53 = 113 \text{ remainder } 22$$

$$\begin{array}{r} 113 \\ 53 \overline{) 6011} \\ \underline{5989} \end{array}$$

----

22 ← remainder

$$6011 \div 59 = 101 \text{ remainder } 52$$

$$\begin{array}{r} 101 \\ 59 \overline{) 6011} \\ \underline{5959} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 61 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 61 \overline{) 6011} \\ \underline{5978} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 67 = 89 \text{ remainder } 48$$

$$\begin{array}{r} 89 \\ 67 \overline{) 6011} \\ \underline{5963} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 71 = 84 \text{ remainder } 47$$

$$\begin{array}{r} 84 \\ 71 \overline{) 6011} \\ \underline{5964} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$6011 \div 73 = 82 \text{ remainder } 25$$

$$\begin{array}{r} 82 \\ 73 \overline{) 6011} \\ \underline{5986} \\ 25 \end{array} \leftarrow \text{remainder}$$

## **P<sub>786</sub> 6029**

$$6029 \div 2 = 3014 \text{ remainder } 1$$

$$\begin{array}{r} 3014 \\ 2 \overline{) 6029} \\ \underline{6028} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 3 = 2009 \text{ remainder } 2$$

$$\begin{array}{r} 2009 \\ 3 \overline{) 6029} \\ \underline{6027} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 5 = 1205 \text{ remainder } 4$$

$$\begin{array}{r} 1205 \\ 5 \overline{) 6029} \\ \underline{6025} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 7 = 861 \text{ remainder } 2$$

$$\begin{array}{r} 861 \\ 7 \overline{) 6029} \\ \underline{6027} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 11 = 548 \text{ remainder } 1$$

$$\begin{array}{r} 548 \\ 11 \overline{) 6029} \\ \underline{6028} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 13 = 463 \text{ remainder } 10$$

$$\begin{array}{r} 463 \\ 13 \overline{) 6029} \\ \underline{6019} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 17 = 354 \text{ remainder } 11$$

$$\begin{array}{r} 354 \\ 17 \overline{) 6029} \\ \underline{6018} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 19 = 317 \text{ remainder } 6$$

$$\begin{array}{r} 317 \\ 19 \overline{) 6029} \\ \underline{6023} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 23 = 262 \text{ remainder } 3$$

$$\begin{array}{r} 262 \\ 23 \overline{) 6029} \\ \underline{6026} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 29 = 207 \text{ remainder } 26$$

$$\begin{array}{r} 207 \\ 29 \overline{) 6029} \\ \underline{6003} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 31 = 194 \text{ remainder } 15$$

$$\begin{array}{r} 194 \\ 31 \overline{) 6029} \end{array}$$

$$\begin{array}{r} 6014 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6029 \div 37 = 162 \text{ remainder } 35$$

$$\begin{array}{r} 162 \\ 37 \overline{) 6029} \\ \underline{5994} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6029 \div 41 = 147 \text{ remainder } 2$$

$$\begin{array}{r} 147 \\ 41 \overline{) 6029} \\ \underline{6027} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6029 \div 43 = 140 \text{ remainder } 9$$

$$\begin{array}{r} 140 \\ 43 \overline{) 6029} \\ \underline{6020} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6029 \div 47 = 128 \text{ remainder } 13$$

$$\begin{array}{r} 128 \\ 47 \overline{) 6029} \\ \underline{6016} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6029 \div 53 = 113 \text{ remainder } 40$$

$$\begin{array}{r} 113 \\ 53 \overline{) 6029} \\ \underline{5989} \\ 40 \leftarrow \text{remainder} \end{array}$$



$$6029 \div 59 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 59 \overline{) 6029} \\ \underline{6018} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 61 = 98 \text{ remainder } 51$$

$$\begin{array}{r} 98 \\ 61 \overline{) 6029} \\ \underline{5978} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 67 = 89 \text{ remainder } 66$$

$$\begin{array}{r} 89 \\ 67 \overline{) 6029} \\ \underline{5963} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 71 = 84 \text{ remainder } 65$$

$$\begin{array}{r} 84 \\ 71 \overline{) 6029} \\ \underline{5964} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$6029 \div 73 = 82 \text{ remainder } 43$$

$$\begin{array}{r} 82 \\ 73 \overline{) 6029} \\ \underline{5986} \\ 43 \end{array} \leftarrow \text{remainder}$$

## **P<sub>787</sub> 6037**

$$6037 \div 2 = 3018 \text{ remainder } 1$$

$$\begin{array}{r} 3018 \\ 2 \overline{) 6037} \\ \underline{6036} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 3 = 2012 \text{ remainder } 1$$

$$\begin{array}{r} 2012 \\ 3 \overline{) 6037} \\ \underline{6036} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 5 = 1207 \text{ remainder } 2$$

$$\begin{array}{r} 1207 \\ 5 \overline{) 6037} \\ \underline{6035} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 7 = 862 \text{ remainder } 3$$

$$\begin{array}{r} 862 \\ 7 \overline{) 6037} \\ \underline{6034} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 11 = 548 \text{ remainder } 9$$

$$\begin{array}{r} 548 \\ 11 \overline{) 6037} \\ \underline{6028} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 13 = 464 \text{ remainder } 5$$

$$\begin{array}{r} 464 \\ 13 \overline{) 6037} \\ \underline{6032} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 17 = 355 \text{ remainder } 2$$

$$\begin{array}{r} 355 \\ 17 \overline{) 6037} \\ \underline{6035} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 19 = 317 \text{ remainder } 14$$

$$\begin{array}{r} 317 \\ 19 \overline{) 6037} \\ \underline{6023} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 23 = 262 \text{ remainder } 11$$

$$\begin{array}{r} 262 \\ 23 \overline{) 6037} \\ \underline{6026} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 29 = 208 \text{ remainder } 5$$

$$\begin{array}{r} 208 \\ 29 \overline{) 6037} \\ \underline{6032} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 31 = 194 \text{ remainder } 23$$

$$\begin{array}{r} 194 \\ 31 \overline{) 6037} \end{array}$$

```

6014
----
23  ← remainder

```

$$6037 \div 37 = 163 \text{ remainder } 6$$

```

      163
37 | 6037
    6031
    ----
      6  ← remainder

```

$$6037 \div 41 = 147 \text{ remainder } 10$$

```

      147
41 | 6037
    6027
    ----
     10  ← remainder

```

$$6037 \div 43 = 140 \text{ remainder } 17$$

```

      140
43 | 6037
    6020
    ----
     17  ← remainder

```

$$6037 \div 47 = 128 \text{ remainder } 21$$

```

      128
47 | 6037
    6016
    ----
     21  ← remainder

```

$$6037 \div 53 = 113 \text{ remainder } 48$$

```

      113
53 | 6037
    5989
    ----
     48  ← remainder

```

$$6037 \div 59 = 102 \text{ remainder } 19$$

$$\begin{array}{r} 102 \\ 59 \overline{) 6037} \\ \underline{6018} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 61 = 98 \text{ remainder } 59$$

$$\begin{array}{r} 98 \\ 61 \overline{) 6037} \\ \underline{5978} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 67 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6037} \\ \underline{6030} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 71 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6037} \\ \underline{6035} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6037 \div 73 = 82 \text{ remainder } 51$$

$$\begin{array}{r} 82 \\ 73 \overline{) 6037} \\ \underline{5986} \\ 51 \end{array} \leftarrow \text{remainder}$$

## **P<sub>788</sub> 6043**

$$6043 \div 2 = 3021 \text{ remainder } 1$$

$$\begin{array}{r} 3021 \\ 2 \overline{) 6043} \\ \underline{6042} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 3 = 2014 \text{ remainder } 1$$

$$\begin{array}{r} 2014 \\ 3 \overline{) 6043} \\ \underline{6042} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 5 = 1208 \text{ remainder } 3$$

$$\begin{array}{r} 1208 \\ 5 \overline{) 6043} \\ \underline{6040} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 7 = 863 \text{ remainder } 2$$

$$\begin{array}{r} 863 \\ 7 \overline{) 6043} \\ \underline{6041} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 11 = 549 \text{ remainder } 4$$

$$\begin{array}{r} 549 \\ 11 \overline{) 6043} \\ \underline{6039} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 13 = 464 \text{ remainder } 11$$

$$\begin{array}{r} 464 \\ 13 \overline{) 6043} \\ \underline{6032} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 17 = 355 \text{ remainder } 8$$

$$\begin{array}{r} 355 \\ 17 \overline{) 6043} \\ \underline{6035} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 19 = 318 \text{ remainder } 1$$

$$\begin{array}{r} 318 \\ 19 \overline{) 6043} \\ \underline{6042} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 23 = 262 \text{ remainder } 17$$

$$\begin{array}{r} 262 \\ 23 \overline{) 6043} \\ \underline{6026} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 29 = 208 \text{ remainder } 11$$

$$\begin{array}{r} 208 \\ 29 \overline{) 6043} \\ \underline{6032} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 31 = 194 \text{ remainder } 29$$

$$\begin{array}{r} 194 \\ 31 \overline{) 6043} \end{array}$$

```

6014
----
29  ← remainder

```

$$6043 \div 37 = 163 \text{ remainder } 12$$

```

      163
37 | 6043
    6031
    ----
      12  ← remainder

```

$$6043 \div 41 = 147 \text{ remainder } 16$$

```

      147
41 | 6043
    6027
    ----
      16  ← remainder

```

$$6043 \div 43 = 140 \text{ remainder } 23$$

```

      140
43 | 6043
    6020
    ----
      23  ← remainder

```

$$6043 \div 47 = 128 \text{ remainder } 27$$

```

      128
47 | 6043
    6016
    ----
      27  ← remainder

```

$$6043 \div 53 = 114 \text{ remainder } 1$$

```

      114
53 | 6043
    6042
    ----
      1  ← remainder

```



$$6043 \div 59 = 102 \text{ remainder } 25$$

$$\begin{array}{r} 102 \\ 59 \overline{) 6043} \\ \underline{6018} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 61 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 61 \overline{) 6043} \\ \underline{6039} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 67 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6043} \\ \underline{6030} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 71 = 85 \text{ remainder } 8$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6043} \\ \underline{6035} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6043 \div 73 = 82 \text{ remainder } 57$$

$$\begin{array}{r} 82 \\ 73 \overline{) 6043} \\ \underline{5986} \\ 57 \end{array} \leftarrow \text{remainder}$$

## **P<sub>789</sub> 6047**

$$6047 \div 2 = 3023 \text{ remainder } 1$$

$$\begin{array}{r} 3023 \\ 2 \overline{) 6047} \\ \underline{6046} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 3 = 2015 \text{ remainder } 2$$

$$\begin{array}{r} 2015 \\ 3 \overline{) 6047} \\ \underline{6045} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 5 = 1209 \text{ remainder } 2$$

$$\begin{array}{r} 1209 \\ 5 \overline{) 6047} \\ \underline{6045} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 7 = 863 \text{ remainder } 6$$

$$\begin{array}{r} 863 \\ 7 \overline{) 6047} \\ \underline{6041} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 11 = 549 \text{ remainder } 8$$

$$\begin{array}{r} 549 \\ 11 \overline{) 6047} \\ \underline{6039} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 13 = 465 \text{ remainder } 2$$

$$\begin{array}{r} 465 \\ 13 \overline{) 6047} \\ \underline{6045} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 17 = 355 \text{ remainder } 12$$

$$\begin{array}{r} 355 \\ 17 \overline{) 6047} \\ \underline{6035} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 19 = 318 \text{ remainder } 5$$

$$\begin{array}{r} 318 \\ 19 \overline{) 6047} \\ \underline{6042} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 23 = 262 \text{ remainder } 21$$

$$\begin{array}{r} 262 \\ 23 \overline{) 6047} \\ \underline{6026} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 29 = 208 \text{ remainder } 15$$

$$\begin{array}{r} 208 \\ 29 \overline{) 6047} \\ \underline{6032} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 31 = 195 \text{ remainder } 2$$

$$\begin{array}{r} 195 \\ 31 \overline{) 6047} \end{array}$$

$$\begin{array}{r} 6045 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6047 \div 37 = 163 \text{ remainder } 16$$

$$\begin{array}{r} 163 \\ 37 \overline{) 6047} \\ \underline{6031} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6047 \div 41 = 147 \text{ remainder } 20$$

$$\begin{array}{r} 147 \\ 41 \overline{) 6047} \\ \underline{6027} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6047 \div 43 = 140 \text{ remainder } 27$$

$$\begin{array}{r} 140 \\ 43 \overline{) 6047} \\ \underline{6020} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6047 \div 47 = 128 \text{ remainder } 31$$

$$\begin{array}{r} 128 \\ 47 \overline{) 6047} \\ \underline{6016} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6047 \div 53 = 114 \text{ remainder } 5$$

$$\begin{array}{r} 114 \\ 53 \overline{) 6047} \\ \underline{6042} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$6047 \div 59 = 102 \text{ remainder } 29$$

$$\begin{array}{r} 102 \\ 59 \overline{) 6047} \\ \underline{6018} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 61 = 99 \text{ remainder } 8$$

$$\begin{array}{r} 99 \\ 61 \overline{) 6047} \\ \underline{6039} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 67 = 90 \text{ remainder } 17$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6047} \\ \underline{6030} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 71 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6047} \\ \underline{6035} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6047 \div 73 = 82 \text{ remainder } 61$$

$$\begin{array}{r} 82 \\ 73 \overline{) 6047} \\ \underline{5986} \\ 61 \end{array} \leftarrow \text{remainder}$$

## **P<sub>790</sub> 6053**

$$6053 \div 2 = 3026 \text{ remainder } 1$$

$$\begin{array}{r} 3026 \\ 2 \overline{) 6053} \\ \underline{6052} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 3 = 2017 \text{ remainder } 2$$

$$\begin{array}{r} 2017 \\ 3 \overline{) 6053} \\ \underline{6051} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 5 = 1210 \text{ remainder } 3$$

$$\begin{array}{r} 1210 \\ 5 \overline{) 6053} \\ \underline{6050} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 7 = 864 \text{ remainder } 5$$

$$\begin{array}{r} 864 \\ 7 \overline{) 6053} \\ \underline{6048} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 11 = 550 \text{ remainder } 3$$

$$\begin{array}{r} 550 \\ 11 \overline{) 6053} \\ \underline{6050} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 13 = 465 \text{ remainder } 8$$

$$\begin{array}{r} 465 \\ 13 \overline{) 6053} \\ \underline{6045} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 17 = 356 \text{ remainder } 1$$

$$\begin{array}{r} 356 \\ 17 \overline{) 6053} \\ \underline{6052} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 19 = 318 \text{ remainder } 11$$

$$\begin{array}{r} 318 \\ 19 \overline{) 6053} \\ \underline{6042} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 23 = 263 \text{ remainder } 4$$

$$\begin{array}{r} 263 \\ 23 \overline{) 6053} \\ \underline{6049} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 29 = 208 \text{ remainder } 21$$

$$\begin{array}{r} 208 \\ 29 \overline{) 6053} \\ \underline{6032} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 31 = 195 \text{ remainder } 8$$

$$\begin{array}{r} 195 \\ 31 \overline{) 6053} \end{array}$$

6045

----

8 ← remainder

$$6053 \div 37 = 163 \text{ remainder } 22$$

$$\begin{array}{r} 163 \\ 37 \overline{) 6053} \\ \underline{6031} \end{array}$$

----

22 ← remainder

$$6053 \div 41 = 147 \text{ remainder } 26$$

$$\begin{array}{r} 147 \\ 41 \overline{) 6053} \\ \underline{6027} \end{array}$$

----

26 ← remainder

$$6053 \div 43 = 140 \text{ remainder } 33$$

$$\begin{array}{r} 140 \\ 43 \overline{) 6053} \\ \underline{6020} \end{array}$$

----

33 ← remainder

$$6053 \div 47 = 128 \text{ remainder } 37$$

$$\begin{array}{r} 128 \\ 47 \overline{) 6053} \\ \underline{6016} \end{array}$$

----

37 ← remainder

$$6053 \div 53 = 114 \text{ remainder } 11$$

$$\begin{array}{r} 114 \\ 53 \overline{) 6053} \\ \underline{6042} \end{array}$$

----

11 ← remainder



$$6053 \div 59 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 59 \overline{) 6053} \\ \underline{6018} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 61 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 61 \overline{) 6053} \\ \underline{6039} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 67 = 90 \text{ remainder } 23$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6053} \\ \underline{6030} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 71 = 85 \text{ remainder } 18$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6053} \\ \underline{6035} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6053 \div 73 = 82 \text{ remainder } 67$$

$$\begin{array}{r} 82 \\ 73 \overline{) 6053} \\ \underline{5986} \\ 67 \end{array} \leftarrow \text{remainder}$$

## **P<sub>791</sub> 6067**

$$6067 \div 2 = 3033 \text{ remainder } 1$$

$$\begin{array}{r} 3033 \\ 2 \overline{) 6067} \\ \underline{6066} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 3 = 2022 \text{ remainder } 1$$

$$\begin{array}{r} 2022 \\ 3 \overline{) 6067} \\ \underline{6066} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 5 = 1213 \text{ remainder } 2$$

$$\begin{array}{r} 1213 \\ 5 \overline{) 6067} \\ \underline{6065} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 7 = 866 \text{ remainder } 5$$

$$\begin{array}{r} 866 \\ 7 \overline{) 6067} \\ \underline{6062} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 11 = 551 \text{ remainder } 6$$

$$\begin{array}{r} 551 \\ 11 \overline{) 6067} \\ \underline{6061} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 13 = 466 \text{ remainder } 9$$

$$\begin{array}{r} 466 \\ 13 \overline{) 6067} \\ \underline{6058} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 17 = 356 \text{ remainder } 15$$

$$\begin{array}{r} 356 \\ 17 \overline{) 6067} \\ \underline{6052} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 19 = 319 \text{ remainder } 6$$

$$\begin{array}{r} 319 \\ 19 \overline{) 6067} \\ \underline{6061} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 23 = 263 \text{ remainder } 18$$

$$\begin{array}{r} 263 \\ 23 \overline{) 6067} \\ \underline{6049} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 29 = 209 \text{ remainder } 6$$

$$\begin{array}{r} 209 \\ 29 \overline{) 6067} \\ \underline{6061} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 31 = 195 \text{ remainder } 22$$

$$\begin{array}{r} 195 \\ 31 \overline{) 6067} \end{array}$$

$$\begin{array}{r} 6045 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6067 \div 37 = 163 \text{ remainder } 36$$

$$\begin{array}{r} 163 \\ 37 \overline{) 6067} \\ \underline{6031} \phantom{00} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6067 \div 41 = 147 \text{ remainder } 40$$

$$\begin{array}{r} 147 \\ 41 \overline{) 6067} \\ \underline{6027} \phantom{00} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$6067 \div 43 = 141 \text{ remainder } 4$$

$$\begin{array}{r} 141 \\ 43 \overline{) 6067} \\ \underline{6063} \phantom{00} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6067 \div 47 = 129 \text{ remainder } 4$$

$$\begin{array}{r} 129 \\ 47 \overline{) 6067} \\ \underline{6063} \phantom{00} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6067 \div 53 = 114 \text{ remainder } 25$$

$$\begin{array}{r} 114 \\ 53 \overline{) 6067} \\ \underline{6042} \phantom{00} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6067 \div 59 = 102 \text{ remainder } 49$$

$$\begin{array}{r} 102 \\ 59 \overline{) 6067} \\ \underline{6018} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 61 = 99 \text{ remainder } 28$$

$$\begin{array}{r} 99 \\ 61 \overline{) 6067} \\ \underline{6039} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 67 = 90 \text{ remainder } 37$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6067} \\ \underline{6030} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 71 = 85 \text{ remainder } 32$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6067} \\ \underline{6035} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$6067 \div 73 = 83 \text{ remainder } 8$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6067} \\ \underline{6059} \\ 8 \end{array} \leftarrow \text{remainder}$$

## **P<sub>792</sub> 6073**

$$6073 \div 2 = 3036 \text{ remainder } 1$$

$$\begin{array}{r} 3036 \\ 2 \overline{) 6073} \\ \underline{6072} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 3 = 2024 \text{ remainder } 1$$

$$\begin{array}{r} 2024 \\ 3 \overline{) 6073} \\ \underline{6072} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 5 = 1214 \text{ remainder } 3$$

$$\begin{array}{r} 1214 \\ 5 \overline{) 6073} \\ \underline{6070} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 7 = 867 \text{ remainder } 4$$

$$\begin{array}{r} 867 \\ 7 \overline{) 6073} \\ \underline{6069} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 11 = 552 \text{ remainder } 1$$

$$\begin{array}{r} 552 \\ 11 \overline{) 6073} \\ \underline{6072} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 13 = 467 \text{ remainder } 2$$

$$\begin{array}{r} 467 \\ 13 \overline{) 6073} \\ \underline{6071} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6073 \div 17 = 357 \text{ remainder } 4$$

$$\begin{array}{r} 357 \\ 17 \overline{) 6073} \\ \underline{6069} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6073 \div 19 = 319 \text{ remainder } 12$$

$$\begin{array}{r} 319 \\ 19 \overline{) 6073} \\ \underline{6061} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6073 \div 23 = 264 \text{ remainder } 1$$

$$\begin{array}{r} 264 \\ 23 \overline{) 6073} \\ \underline{6072} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6073 \div 29 = 209 \text{ remainder } 12$$

$$\begin{array}{r} 209 \\ 29 \overline{) 6073} \\ \underline{6061} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6073 \div 31 = 195 \text{ remainder } 28$$

$$\begin{array}{r} 195 \\ 31 \overline{) 6073} \end{array}$$

6045  
 ----  
 28 ← remainder

$$6073 \div 37 = 164 \text{ remainder } 5$$

37 |  $\overline{6073}$   
 164  
 6068  
 ----  
 5 ← remainder

$$6073 \div 41 = 148 \text{ remainder } 5$$

41 |  $\overline{6073}$   
 148  
 6068  
 ----  
 5 ← remainder

$$6073 \div 43 = 141 \text{ remainder } 10$$

43 |  $\overline{6073}$   
 141  
 6063  
 ----  
 10 ← remainder

$$6073 \div 47 = 129 \text{ remainder } 10$$

47 |  $\overline{6073}$   
 129  
 6063  
 ----  
 10 ← remainder

$$6073 \div 53 = 114 \text{ remainder } 31$$

53 |  $\overline{6073}$   
 114  
 6042  
 ----  
 31 ← remainder



$$6073 \div 59 = 102 \text{ remainder } 55$$

$$\begin{array}{r} 102 \\ 59 \overline{) 6073} \\ \underline{6018} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 61 = 99 \text{ remainder } 34$$

$$\begin{array}{r} 99 \\ 61 \overline{) 6073} \\ \underline{6039} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 67 = 90 \text{ remainder } 43$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6073} \\ \underline{6030} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 71 = 85 \text{ remainder } 38$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6073} \\ \underline{6035} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$6073 \div 73 = 83 \text{ remainder } 14$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6073} \\ \underline{6059} \\ 14 \end{array} \leftarrow \text{remainder}$$

## **P<sub>793</sub> 6079**

$$6079 \div 2 = 3039 \text{ remainder } 1$$

$$\begin{array}{r} 3039 \\ 2 \overline{) 6079} \\ \underline{6078} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6079 \div 3 = 2026 \text{ remainder } 1$$

$$\begin{array}{r} 2026 \\ 3 \overline{) 6079} \\ \underline{6078} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6079 \div 5 = 1215 \text{ remainder } 4$$

$$\begin{array}{r} 1215 \\ 5 \overline{) 6079} \\ \underline{6075} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6079 \div 7 = 868 \text{ remainder } 3$$

$$\begin{array}{r} 868 \\ 7 \overline{) 6079} \\ \underline{6076} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6079 \div 11 = 552 \text{ remainder } 7$$

$$\begin{array}{r} 552 \\ 11 \overline{) 6079} \\ \underline{6072} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6079 \div 13 = 467 \text{ remainder } 8$$

$$\begin{array}{r} 467 \\ 13 \overline{) 6079} \\ \underline{6071} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 17 = 357 \text{ remainder } 10$$

$$\begin{array}{r} 357 \\ 17 \overline{) 6079} \\ \underline{6069} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 19 = 319 \text{ remainder } 18$$

$$\begin{array}{r} 319 \\ 19 \overline{) 6079} \\ \underline{6061} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 23 = 264 \text{ remainder } 7$$

$$\begin{array}{r} 264 \\ 23 \overline{) 6079} \\ \underline{6072} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 29 = 209 \text{ remainder } 18$$

$$\begin{array}{r} 209 \\ 29 \overline{) 6079} \\ \underline{6061} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 31 = 196 \text{ remainder } 3$$

$$\begin{array}{r} 196 \\ 31 \overline{) 6079} \end{array}$$

$$\begin{array}{r} 6076 \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6079 \div 37 = 164 \text{ remainder } 11$$

$$\begin{array}{r} 164 \\ 37 \overline{) 6079} \\ \underline{6068} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6079 \div 41 = 148 \text{ remainder } 11$$

$$\begin{array}{r} 148 \\ 41 \overline{) 6079} \\ \underline{6068} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6079 \div 43 = 141 \text{ remainder } 16$$

$$\begin{array}{r} 141 \\ 43 \overline{) 6079} \\ \underline{6063} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6079 \div 47 = 129 \text{ remainder } 16$$

$$\begin{array}{r} 129 \\ 47 \overline{) 6079} \\ \underline{6063} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6079 \div 53 = 114 \text{ remainder } 37$$

$$\begin{array}{r} 114 \\ 53 \overline{) 6079} \\ \underline{6042} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6079 \div 59 = 103 \text{ remainder } 2$$

$$\begin{array}{r} 103 \\ 59 \overline{) 6079} \\ \underline{6077} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 61 = 99 \text{ remainder } 40$$

$$\begin{array}{r} 99 \\ 61 \overline{) 6079} \\ \underline{6039} \phantom{00} \\ 40 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 67 = 90 \text{ remainder } 49$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6079} \\ \underline{6030} \phantom{00} \\ 49 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 71 = 85 \text{ remainder } 44$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6079} \\ \underline{6035} \phantom{00} \\ 44 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6079 \div 73 = 83 \text{ remainder } 20$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6079} \\ \underline{6059} \phantom{00} \\ 20 \phantom{00} \leftarrow \text{remainder} \end{array}$$

## **P<sub>794</sub> 6089**

$$6089 \div 2 = 3044 \text{ remainder } 1$$

$$\begin{array}{r} 3044 \\ 2 \overline{) 6089} \\ \underline{6088} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 3 = 2029 \text{ remainder } 2$$

$$\begin{array}{r} 2029 \\ 3 \overline{) 6089} \\ \underline{6087} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 5 = 1217 \text{ remainder } 4$$

$$\begin{array}{r} 1217 \\ 5 \overline{) 6089} \\ \underline{6085} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 7 = 869 \text{ remainder } 6$$

$$\begin{array}{r} 869 \\ 7 \overline{) 6089} \\ \underline{6083} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 11 = 553 \text{ remainder } 6$$

$$\begin{array}{r} 553 \\ 11 \overline{) 6089} \\ \underline{6083} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 13 = 468 \text{ remainder } 5$$

$$\begin{array}{r} 468 \\ 13 \overline{) 6089} \\ \underline{6084} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 17 = 358 \text{ remainder } 3$$

$$\begin{array}{r} 358 \\ 17 \overline{) 6089} \\ \underline{6086} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 19 = 320 \text{ remainder } 9$$

$$\begin{array}{r} 320 \\ 19 \overline{) 6089} \\ \underline{6080} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 23 = 264 \text{ remainder } 17$$

$$\begin{array}{r} 264 \\ 23 \overline{) 6089} \\ \underline{6072} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 29 = 209 \text{ remainder } 28$$

$$\begin{array}{r} 209 \\ 29 \overline{) 6089} \\ \underline{6061} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 31 = 196 \text{ remainder } 13$$

$$\begin{array}{r} 196 \\ 31 \overline{) 6089} \end{array}$$

$$\begin{array}{r} 6076 \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6089 \div 37 = 164 \text{ remainder } 21$$

$$\begin{array}{r} 164 \\ 37 \overline{) 6089} \\ \underline{6068} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6089 \div 41 = 148 \text{ remainder } 21$$

$$\begin{array}{r} 148 \\ 41 \overline{) 6089} \\ \underline{6068} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6089 \div 43 = 141 \text{ remainder } 26$$

$$\begin{array}{r} 141 \\ 43 \overline{) 6089} \\ \underline{6063} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6089 \div 47 = 129 \text{ remainder } 26$$

$$\begin{array}{r} 129 \\ 47 \overline{) 6089} \\ \underline{6063} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6089 \div 53 = 114 \text{ remainder } 47$$

$$\begin{array}{r} 114 \\ 53 \overline{) 6089} \\ \underline{6042} \\ 47 \leftarrow \text{remainder} \end{array}$$



$$6089 \div 59 = 103 \text{ remainder } 12$$

$$\begin{array}{r} 103 \\ 59 \overline{) 6089} \\ \underline{6077} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 61 = 99 \text{ remainder } 50$$

$$\begin{array}{r} 99 \\ 61 \overline{) 6089} \\ \underline{6039} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 67 = 90 \text{ remainder } 59$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6089} \\ \underline{6030} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 71 = 85 \text{ remainder } 54$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6089} \\ \underline{6035} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6089 \div 73 = 83 \text{ remainder } 30$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6089} \\ \underline{6059} \\ 30 \end{array} \leftarrow \text{remainder}$$

## **P<sub>795</sub> 6091**

$$6091 \div 2 = 3045 \text{ remainder } 1$$

$$\begin{array}{r} 3045 \\ 2 \overline{) 6091} \\ \underline{6090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 3 = 2030 \text{ remainder } 1$$

$$\begin{array}{r} 2030 \\ 3 \overline{) 6091} \\ \underline{6090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 5 = 1218 \text{ remainder } 1$$

$$\begin{array}{r} 1218 \\ 5 \overline{) 6091} \\ \underline{6090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 7 = 870 \text{ remainder } 1$$

$$\begin{array}{r} 870 \\ 7 \overline{) 6091} \\ \underline{6090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 11 = 553 \text{ remainder } 8$$

$$\begin{array}{r} 553 \\ 11 \overline{) 6091} \\ \underline{6083} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 13 = 468 \text{ remainder } 7$$

$$\begin{array}{r} 468 \\ 13 \overline{) 6091} \\ \underline{6084} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 17 = 358 \text{ remainder } 5$$

$$\begin{array}{r} 358 \\ 17 \overline{) 6091} \\ \underline{6086} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 19 = 320 \text{ remainder } 11$$

$$\begin{array}{r} 320 \\ 19 \overline{) 6091} \\ \underline{6080} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 23 = 264 \text{ remainder } 19$$

$$\begin{array}{r} 264 \\ 23 \overline{) 6091} \\ \underline{6072} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 29 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 29 \overline{) 6091} \\ \underline{6090} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 31 = 196 \text{ remainder } 15$$

$$\begin{array}{r} 196 \\ 31 \overline{) 6091} \end{array}$$

$$\begin{array}{r} 6076 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6091 \div 37 = 164 \text{ remainder } 23$$

$$\begin{array}{r} 164 \\ 37 \overline{) 6091} \\ \underline{6068} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6091 \div 41 = 148 \text{ remainder } 23$$

$$\begin{array}{r} 148 \\ 41 \overline{) 6091} \\ \underline{6068} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6091 \div 43 = 141 \text{ remainder } 28$$

$$\begin{array}{r} 141 \\ 43 \overline{) 6091} \\ \underline{6063} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6091 \div 47 = 129 \text{ remainder } 28$$

$$\begin{array}{r} 129 \\ 47 \overline{) 6091} \\ \underline{6063} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6091 \div 53 = 114 \text{ remainder } 49$$

$$\begin{array}{r} 114 \\ 53 \overline{) 6091} \\ \underline{6042} \\ \text{----} \\ 49 \leftarrow \text{remainder} \end{array}$$

$$6091 \div 59 = 103 \text{ remainder } 14$$

$$\begin{array}{r} 103 \\ 59 \overline{) 6091} \\ \underline{6077} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 61 = 99 \text{ remainder } 52$$

$$\begin{array}{r} 99 \\ 61 \overline{) 6091} \\ \underline{6039} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 67 = 90 \text{ remainder } 61$$

$$\begin{array}{r} 90 \\ 67 \overline{) 6091} \\ \underline{6030} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 71 = 85 \text{ remainder } 56$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6091} \\ \underline{6035} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6091 \div 73 = 83 \text{ remainder } 32$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6091} \\ \underline{6059} \\ 32 \end{array} \leftarrow \text{remainder}$$

## **P<sub>796</sub> 6101**

$$6101 \div 2 = 3050 \text{ remainder } 1$$

$$\begin{array}{r} 3050 \\ 2 \overline{) 6101} \\ \underline{6100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 3 = 2033 \text{ remainder } 2$$

$$\begin{array}{r} 2033 \\ 3 \overline{) 6101} \\ \underline{6099} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 5 = 1220 \text{ remainder } 1$$

$$\begin{array}{r} 1220 \\ 5 \overline{) 6101} \\ \underline{6100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 7 = 871 \text{ remainder } 4$$

$$\begin{array}{r} 871 \\ 7 \overline{) 6101} \\ \underline{6097} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 11 = 554 \text{ remainder } 7$$

$$\begin{array}{r} 554 \\ 11 \overline{) 6101} \\ \underline{6094} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 13 = 469 \text{ remainder } 4$$

$$\begin{array}{r} 469 \\ 13 \overline{) 6101} \\ \underline{6097} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 17 = 358 \text{ remainder } 15$$

$$\begin{array}{r} 358 \\ 17 \overline{) 6101} \\ \underline{6086} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 19 = 321 \text{ remainder } 2$$

$$\begin{array}{r} 321 \\ 19 \overline{) 6101} \\ \underline{6099} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 23 = 265 \text{ remainder } 6$$

$$\begin{array}{r} 265 \\ 23 \overline{) 6101} \\ \underline{6095} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 29 = 210 \text{ remainder } 11$$

$$\begin{array}{r} 210 \\ 29 \overline{) 6101} \\ \underline{6090} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 31 = 196 \text{ remainder } 25$$

$$\begin{array}{r} 196 \\ 31 \overline{) 6101} \end{array}$$

$$\begin{array}{r} 6076 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 37 = 164 \text{ remainder } 33$$

$$\begin{array}{r} 164 \\ 37 \overline{) 6101} \\ \underline{6068} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 41 = 148 \text{ remainder } 33$$

$$\begin{array}{r} 148 \\ 41 \overline{) 6101} \\ \underline{6068} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 43 = 141 \text{ remainder } 38$$

$$\begin{array}{r} 141 \\ 43 \overline{) 6101} \\ \underline{6063} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 47 = 129 \text{ remainder } 38$$

$$\begin{array}{r} 129 \\ 47 \overline{) 6101} \\ \underline{6063} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 53 = 115 \text{ remainder } 6$$

$$\begin{array}{r} 115 \\ 53 \overline{) 6101} \\ \underline{6095} \\ 6 \leftarrow \text{remainder} \end{array}$$



$$6101 \div 59 = 103 \text{ remainder } 24$$

$$\begin{array}{r} 103 \\ 59 \overline{) 6101} \\ \underline{6077} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 61 = 100 \text{ remainder } 1$$

$$\begin{array}{r} 100 \\ 61 \overline{) 6101} \\ \underline{6100} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 67 = 91 \text{ remainder } 4$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6101} \\ \underline{6097} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 71 = 85 \text{ remainder } 66$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6101} \\ \underline{6035} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$6101 \div 73 = 83 \text{ remainder } 42$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6101} \\ \underline{6059} \\ 42 \end{array} \leftarrow \text{remainder}$$

## **P<sub>797</sub> 6113**

$$6113 \div 2 = 3056 \text{ remainder } 1$$

$$\begin{array}{r} 3056 \\ 2 \overline{) 6113} \\ \underline{6112} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 3 = 2037 \text{ remainder } 2$$

$$\begin{array}{r} 2037 \\ 3 \overline{) 6113} \\ \underline{6111} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 5 = 1222 \text{ remainder } 3$$

$$\begin{array}{r} 1222 \\ 5 \overline{) 6113} \\ \underline{6110} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 7 = 873 \text{ remainder } 2$$

$$\begin{array}{r} 873 \\ 7 \overline{) 6113} \\ \underline{6111} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 11 = 555 \text{ remainder } 8$$

$$\begin{array}{r} 555 \\ 11 \overline{) 6113} \\ \underline{6105} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 13 = 470 \text{ remainder } 3$$

$$\begin{array}{r} 470 \\ 13 \overline{) 6113} \\ \underline{6110} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 17 = 359 \text{ remainder } 10$$

$$\begin{array}{r} 359 \\ 17 \overline{) 6113} \\ \underline{6103} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 19 = 321 \text{ remainder } 14$$

$$\begin{array}{r} 321 \\ 19 \overline{) 6113} \\ \underline{6099} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 23 = 265 \text{ remainder } 18$$

$$\begin{array}{r} 265 \\ 23 \overline{) 6113} \\ \underline{6095} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 29 = 210 \text{ remainder } 23$$

$$\begin{array}{r} 210 \\ 29 \overline{) 6113} \\ \underline{6090} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 31 = 197 \text{ remainder } 6$$

$$\begin{array}{r} 197 \\ 31 \overline{) 6113} \end{array}$$

$$\begin{array}{r} 6107 \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 37 = 165 \text{ remainder } 8$$

$$\begin{array}{r} 165 \\ 37 \overline{) 6113} \\ \underline{6105} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 41 = 149 \text{ remainder } 4$$

$$\begin{array}{r} 149 \\ 41 \overline{) 6113} \\ \underline{6109} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 43 = 142 \text{ remainder } 7$$

$$\begin{array}{r} 142 \\ 43 \overline{) 6113} \\ \underline{6106} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 47 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 47 \overline{) 6113} \\ \underline{6110} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 53 = 115 \text{ remainder } 18$$

$$\begin{array}{r} 115 \\ 53 \overline{) 6113} \\ \underline{6095} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 59 = 103 \text{ remainder } 36$$

$$\begin{array}{r} 103 \\ 59 \overline{) 6113} \\ \underline{6077} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 61 = 100 \text{ remainder } 13$$

$$\begin{array}{r} 100 \\ 61 \overline{) 6113} \\ \underline{6100} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 67 = 91 \text{ remainder } 16$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6113} \\ \underline{6097} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 71 = 86 \text{ remainder } 7$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6113} \\ \underline{6106} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6113 \div 73 = 83 \text{ remainder } 54$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6113} \\ \underline{6059} \\ 54 \end{array} \leftarrow \text{remainder}$$

## **P<sub>798</sub> 6121**

$$6121 \div 2 = 3060 \text{ remainder } 1$$

$$\begin{array}{r} 3060 \\ 2 \overline{) 6121} \\ \underline{6120} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 3 = 2040 \text{ remainder } 1$$

$$\begin{array}{r} 2040 \\ 3 \overline{) 6121} \\ \underline{6120} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 5 = 1224 \text{ remainder } 1$$

$$\begin{array}{r} 1224 \\ 5 \overline{) 6121} \\ \underline{6120} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 7 = 874 \text{ remainder } 3$$

$$\begin{array}{r} 874 \\ 7 \overline{) 6121} \\ \underline{6118} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 11 = 556 \text{ remainder } 5$$

$$\begin{array}{r} 556 \\ 11 \overline{) 6121} \\ \underline{6116} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 13 = 470 \text{ remainder } 11$$

$$\begin{array}{r} 470 \\ 13 \overline{) 6121} \\ \underline{6110} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 17 = 360 \text{ remainder } 1$$

$$\begin{array}{r} 360 \\ 17 \overline{) 6121} \\ \underline{6120} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 19 = 322 \text{ remainder } 3$$

$$\begin{array}{r} 322 \\ 19 \overline{) 6121} \\ \underline{6118} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 23 = 266 \text{ remainder } 3$$

$$\begin{array}{r} 266 \\ 23 \overline{) 6121} \\ \underline{6118} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 29 = 211 \text{ remainder } 2$$

$$\begin{array}{r} 211 \\ 29 \overline{) 6121} \\ \underline{6119} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 31 = 197 \text{ remainder } 14$$

$$\begin{array}{r} 197 \\ 31 \overline{) 6121} \end{array}$$

$$\begin{array}{r} 6107 \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$6121 \div 37 = 165 \text{ remainder } 16$$

$$\begin{array}{r} 165 \\ 37 \overline{) 6121} \\ \underline{6105} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6121 \div 41 = 149 \text{ remainder } 12$$

$$\begin{array}{r} 149 \\ 41 \overline{) 6121} \\ \underline{6109} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6121 \div 43 = 142 \text{ remainder } 15$$

$$\begin{array}{r} 142 \\ 43 \overline{) 6121} \\ \underline{6106} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6121 \div 47 = 130 \text{ remainder } 11$$

$$\begin{array}{r} 130 \\ 47 \overline{) 6121} \\ \underline{6110} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6121 \div 53 = 115 \text{ remainder } 26$$

$$\begin{array}{r} 115 \\ 53 \overline{) 6121} \\ \underline{6095} \\ 26 \leftarrow \text{remainder} \end{array}$$



$$6121 \div 59 = 103 \text{ remainder } 44$$

$$\begin{array}{r} 103 \\ 59 \overline{) 6121} \\ \underline{6077} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 61 = 100 \text{ remainder } 21$$

$$\begin{array}{r} 100 \\ 61 \overline{) 6121} \\ \underline{6100} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 67 = 91 \text{ remainder } 24$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6121} \\ \underline{6097} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 71 = 86 \text{ remainder } 15$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6121} \\ \underline{6106} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6121 \div 73 = 83 \text{ remainder } 62$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6121} \\ \underline{6059} \\ 62 \end{array} \leftarrow \text{remainder}$$

## **P<sub>799</sub> 6131**

$$6131 \div 2 = 3065 \text{ remainder } 1$$

$$\begin{array}{r} 3065 \\ 2 \overline{) 6131} \\ \underline{6130} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 3 = 2043 \text{ remainder } 2$$

$$\begin{array}{r} 2043 \\ 3 \overline{) 6131} \\ \underline{6129} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 5 = 1226 \text{ remainder } 1$$

$$\begin{array}{r} 1226 \\ 5 \overline{) 6131} \\ \underline{6130} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 7 = 875 \text{ remainder } 6$$

$$\begin{array}{r} 875 \\ 7 \overline{) 6131} \\ \underline{6125} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 11 = 557 \text{ remainder } 4$$

$$\begin{array}{r} 557 \\ 11 \overline{) 6131} \\ \underline{6127} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 13 = 471 \text{ remainder } 8$$

$$\begin{array}{r} 471 \\ 13 \overline{) 6131} \\ \underline{6123} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 17 = 360 \text{ remainder } 11$$

$$\begin{array}{r} 360 \\ 17 \overline{) 6131} \\ \underline{6120} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 19 = 322 \text{ remainder } 13$$

$$\begin{array}{r} 322 \\ 19 \overline{) 6131} \\ \underline{6118} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 23 = 266 \text{ remainder } 13$$

$$\begin{array}{r} 266 \\ 23 \overline{) 6131} \\ \underline{6118} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 29 = 211 \text{ remainder } 12$$

$$\begin{array}{r} 211 \\ 29 \overline{) 6131} \\ \underline{6119} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 31 = 197 \text{ remainder } 24$$

$$\begin{array}{r} 197 \\ 31 \overline{) 6131} \end{array}$$

$$\begin{array}{r} 6107 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 37 = 165 \text{ remainder } 26$$

$$\begin{array}{r} 165 \\ 37 \mid \overline{6131} \\ \underline{6105} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 41 = 149 \text{ remainder } 22$$

$$\begin{array}{r} 149 \\ 41 \mid \overline{6131} \\ \underline{6109} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 43 = 142 \text{ remainder } 25$$

$$\begin{array}{r} 142 \\ 43 \mid \overline{6131} \\ \underline{6106} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 47 = 130 \text{ remainder } 21$$

$$\begin{array}{r} 130 \\ 47 \mid \overline{6131} \\ \underline{6110} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 53 = 115 \text{ remainder } 36$$

$$\begin{array}{r} 115 \\ 53 \mid \overline{6131} \\ \underline{6095} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 59 = 103 \text{ remainder } 54$$

$$\begin{array}{r} 103 \\ 59 \overline{) 6131} \\ \underline{6077} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 61 = 100 \text{ remainder } 31$$

$$\begin{array}{r} 100 \\ 61 \overline{) 6131} \\ \underline{6100} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 67 = 91 \text{ remainder } 34$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6131} \\ \underline{6097} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 71 = 86 \text{ remainder } 25$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6131} \\ \underline{6106} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6131 \div 73 = 83 \text{ remainder } 72$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6131} \\ \underline{6059} \\ 72 \end{array} \leftarrow \text{remainder}$$

## **P<sub>800</sub> 6133**

$$6133 \div 2 = 3066 \text{ remainder } 1$$

$$\begin{array}{r} 3066 \\ 2 \overline{) 6133} \\ \underline{6132} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 3 = 2044 \text{ remainder } 1$$

$$\begin{array}{r} 2044 \\ 3 \overline{) 6133} \\ \underline{6132} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 5 = 1226 \text{ remainder } 3$$

$$\begin{array}{r} 1226 \\ 5 \overline{) 6133} \\ \underline{6130} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 7 = 876 \text{ remainder } 1$$

$$\begin{array}{r} 876 \\ 7 \overline{) 6133} \\ \underline{6132} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 11 = 557 \text{ remainder } 6$$

$$\begin{array}{r} 557 \\ 11 \overline{) 6133} \\ \underline{6127} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 13 = 471 \text{ remainder } 10$$

$$\begin{array}{r} 471 \\ 13 \overline{) 6133} \\ \underline{6123} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 17 = 360 \text{ remainder } 13$$

$$\begin{array}{r} 360 \\ 17 \overline{) 6133} \\ \underline{6120} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 19 = 322 \text{ remainder } 15$$

$$\begin{array}{r} 322 \\ 19 \overline{) 6133} \\ \underline{6118} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 23 = 266 \text{ remainder } 15$$

$$\begin{array}{r} 266 \\ 23 \overline{) 6133} \\ \underline{6118} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 29 = 211 \text{ remainder } 14$$

$$\begin{array}{r} 211 \\ 29 \overline{) 6133} \\ \underline{6119} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 31 = 197 \text{ remainder } 26$$

$$\begin{array}{r} 197 \\ 31 \overline{) 6133} \end{array}$$

$$\begin{array}{r} 6107 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 37 = 165 \text{ remainder } 28$$

$$\begin{array}{r} 165 \\ 37 \overline{) 6133} \\ \underline{6105} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 41 = 149 \text{ remainder } 24$$

$$\begin{array}{r} 149 \\ 41 \overline{) 6133} \\ \underline{6109} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 43 = 142 \text{ remainder } 27$$

$$\begin{array}{r} 142 \\ 43 \overline{) 6133} \\ \underline{6106} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 47 = 130 \text{ remainder } 23$$

$$\begin{array}{r} 130 \\ 47 \overline{) 6133} \\ \underline{6110} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 53 = 115 \text{ remainder } 38$$

$$\begin{array}{r} 115 \\ 53 \overline{) 6133} \\ \underline{6095} \\ 38 \leftarrow \text{remainder} \end{array}$$



$$6133 \div 59 = 103 \text{ remainder } 56$$

$$\begin{array}{r} 103 \\ 59 \overline{) 6133} \\ \underline{6077} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 61 = 100 \text{ remainder } 33$$

$$\begin{array}{r} 100 \\ 61 \overline{) 6133} \\ \underline{6100} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 67 = 91 \text{ remainder } 36$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6133} \\ \underline{6097} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 71 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6133} \\ \underline{6106} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$6133 \div 73 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6133} \\ \underline{6132} \\ 1 \end{array} \leftarrow \text{remainder}$$

## **P<sub>801</sub> 6143**

$$6143 \div 2 = 3071 \text{ remainder } 1$$

$$\begin{array}{r} 3071 \\ 2 \overline{) 6143} \\ \underline{6142} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 3 = 2047 \text{ remainder } 2$$

$$\begin{array}{r} 2047 \\ 3 \overline{) 6143} \\ \underline{6141} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 5 = 1228 \text{ remainder } 3$$

$$\begin{array}{r} 1228 \\ 5 \overline{) 6143} \\ \underline{6140} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 7 = 877 \text{ remainder } 4$$

$$\begin{array}{r} 877 \\ 7 \overline{) 6143} \\ \underline{6139} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 11 = 558 \text{ remainder } 5$$

$$\begin{array}{r} 558 \\ 11 \overline{) 6143} \\ \underline{6138} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 13 = 472 \text{ remainder } 7$$

$$\begin{array}{r} 472 \\ 13 \overline{) 6143} \\ \underline{6136} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 17 = 361 \text{ remainder } 6$$

$$\begin{array}{r} 361 \\ 17 \overline{) 6143} \\ \underline{6137} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 19 = 323 \text{ remainder } 6$$

$$\begin{array}{r} 323 \\ 19 \overline{) 6143} \\ \underline{6137} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 23 = 267 \text{ remainder } 2$$

$$\begin{array}{r} 267 \\ 23 \overline{) 6143} \\ \underline{6141} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 29 = 211 \text{ remainder } 24$$

$$\begin{array}{r} 211 \\ 29 \overline{) 6143} \\ \underline{6119} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 31 = 198 \text{ remainder } 5$$

$$\begin{array}{r} 198 \\ 31 \overline{) 6143} \end{array}$$

$$\begin{array}{r} 6138 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 37 = 166 \text{ remainder } 1$$

$$\begin{array}{r} 166 \\ 37 \overline{) 6143} \\ \underline{6142} \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 41 = 149 \text{ remainder } 34$$

$$\begin{array}{r} 149 \\ 41 \overline{) 6143} \\ \underline{6109} \\ - - - - \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 43 = 142 \text{ remainder } 37$$

$$\begin{array}{r} 142 \\ 43 \overline{) 6143} \\ \underline{6106} \\ - - - - \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 47 = 130 \text{ remainder } 33$$

$$\begin{array}{r} 130 \\ 47 \overline{) 6143} \\ \underline{6110} \\ - - - - \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 53 = 115 \text{ remainder } 48$$

$$\begin{array}{r} 115 \\ 53 \overline{) 6143} \\ \underline{6095} \\ - - - - \\ 48 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 59 = 104 \text{ remainder } 7$$

$$\begin{array}{r} 104 \\ 59 \overline{) 6143} \\ \underline{6136} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 61 = 100 \text{ remainder } 43$$

$$\begin{array}{r} 100 \\ 61 \overline{) 6143} \\ \underline{6100} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 67 = 91 \text{ remainder } 46$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6143} \\ \underline{6097} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 71 = 86 \text{ remainder } 37$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6143} \\ \underline{6106} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6143 \div 73 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6143} \\ \underline{6132} \\ 11 \end{array} \leftarrow \text{remainder}$$

## **P<sub>802</sub> 6151**

$$6151 \div 2 = 3075 \text{ remainder } 1$$

$$\begin{array}{r} 3075 \\ 2 \overline{) 6151} \\ \underline{6150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 3 = 2050 \text{ remainder } 1$$

$$\begin{array}{r} 2050 \\ 3 \overline{) 6151} \\ \underline{6150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 5 = 1230 \text{ remainder } 1$$

$$\begin{array}{r} 1230 \\ 5 \overline{) 6151} \\ \underline{6150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 7 = 878 \text{ remainder } 5$$

$$\begin{array}{r} 878 \\ 7 \overline{) 6151} \\ \underline{6146} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 11 = 559 \text{ remainder } 2$$

$$\begin{array}{r} 559 \\ 11 \overline{) 6151} \\ \underline{6149} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 13 = 473 \text{ remainder } 2$$

$$\begin{array}{r} 473 \\ 13 \overline{) 6151} \\ \underline{6149} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 17 = 361 \text{ remainder } 14$$

$$\begin{array}{r} 361 \\ 17 \overline{) 6151} \\ \underline{6137} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 19 = 323 \text{ remainder } 14$$

$$\begin{array}{r} 323 \\ 19 \overline{) 6151} \\ \underline{6137} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 23 = 267 \text{ remainder } 10$$

$$\begin{array}{r} 267 \\ 23 \overline{) 6151} \\ \underline{6141} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 29 = 212 \text{ remainder } 3$$

$$\begin{array}{r} 212 \\ 29 \overline{) 6151} \\ \underline{6148} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 31 = 198 \text{ remainder } 13$$

$$\begin{array}{r} 198 \\ 31 \overline{) 6151} \end{array}$$

6138  
 ----  
 13 ← remainder

$$6151 \div 37 = 166 \text{ remainder } 9$$

37 |  $\overline{6151}$   
 6142  
 ----  
 9 ← remainder

$$6151 \div 41 = 150 \text{ remainder } 1$$

41 |  $\overline{6151}$   
 6150  
 ----  
 1 ← remainder

$$6151 \div 43 = 143 \text{ remainder } 2$$

43 |  $\overline{6151}$   
 6149  
 ----  
 2 ← remainder

$$6151 \div 47 = 130 \text{ remainder } 41$$

47 |  $\overline{6151}$   
 6110  
 ----  
 41 ← remainder

$$6151 \div 53 = 116 \text{ remainder } 3$$

53 |  $\overline{6151}$   
 6148  
 ----  
 3 ← remainder



$$6151 \div 59 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 59 \overline{) 6151} \\ \underline{6136} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 61 = 100 \text{ remainder } 51$$

$$\begin{array}{r} 100 \\ 61 \overline{) 6151} \\ \underline{6100} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 67 = 91 \text{ remainder } 54$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6151} \\ \underline{6097} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 71 = 86 \text{ remainder } 45$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6151} \\ \underline{6106} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6151 \div 73 = 84 \text{ remainder } 19$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6151} \\ \underline{6132} \\ 19 \end{array} \leftarrow \text{remainder}$$

## **P<sub>803</sub> 6163**

$$6163 \div 2 = 3081 \text{ remainder } 1$$

$$\begin{array}{r} 3081 \\ 2 \overline{) 6163} \\ \underline{6162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 3 = 2054 \text{ remainder } 1$$

$$\begin{array}{r} 2054 \\ 3 \overline{) 6163} \\ \underline{6162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 5 = 1232 \text{ remainder } 3$$

$$\begin{array}{r} 1232 \\ 5 \overline{) 6163} \\ \underline{6160} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 7 = 880 \text{ remainder } 3$$

$$\begin{array}{r} 880 \\ 7 \overline{) 6163} \\ \underline{6160} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 11 = 560 \text{ remainder } 3$$

$$\begin{array}{r} 560 \\ 11 \overline{) 6163} \\ \underline{6160} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 13 = 474 \text{ remainder } 1$$

$$\begin{array}{r} 474 \\ 13 \overline{) 6163} \\ \underline{6162} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 17 = 362 \text{ remainder } 9$$

$$\begin{array}{r} 362 \\ 17 \overline{) 6163} \\ \underline{6154} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 19 = 324 \text{ remainder } 7$$

$$\begin{array}{r} 324 \\ 19 \overline{) 6163} \\ \underline{6156} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 23 = 267 \text{ remainder } 22$$

$$\begin{array}{r} 267 \\ 23 \overline{) 6163} \\ \underline{6141} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 29 = 212 \text{ remainder } 15$$

$$\begin{array}{r} 212 \\ 29 \overline{) 6163} \\ \underline{6148} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 31 = 198 \text{ remainder } 25$$

$$\begin{array}{r} 198 \\ 31 \overline{) 6163} \end{array}$$

6138  
 ----  
 25 ← remainder

$$6163 \div 37 = 166 \text{ remainder } 21$$

37 |  $\overline{6163}$   
 6142  
 ----  
 21 ← remainder

$$6163 \div 41 = 150 \text{ remainder } 13$$

41 |  $\overline{6163}$   
 6150  
 ----  
 13 ← remainder

$$6163 \div 43 = 143 \text{ remainder } 14$$

43 |  $\overline{6163}$   
 6149  
 ----  
 14 ← remainder

$$6163 \div 47 = 131 \text{ remainder } 6$$

47 |  $\overline{6163}$   
 6157  
 ----  
 6 ← remainder

$$6163 \div 53 = 116 \text{ remainder } 15$$

53 |  $\overline{6163}$   
 6148  
 ----  
 15 ← remainder

$$6163 \div 59 = 104 \text{ remainder } 27$$

$$\begin{array}{r} 104 \\ 59 \overline{) 6163} \\ \underline{6136} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 61 = 101 \text{ remainder } 2$$

$$\begin{array}{r} 101 \\ 61 \overline{) 6163} \\ \underline{6161} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 67 = 91 \text{ remainder } 66$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6163} \\ \underline{6097} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 71 = 86 \text{ remainder } 57$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6163} \\ \underline{6106} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$6163 \div 73 = 84 \text{ remainder } 31$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6163} \\ \underline{6132} \\ 31 \end{array} \leftarrow \text{remainder}$$

## **P<sub>804</sub> 6173**

$$6173 \div 2 = 3086 \text{ remainder } 1$$

$$\begin{array}{r} 3086 \\ 2 \overline{) 6173} \\ \underline{6172} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 3 = 2057 \text{ remainder } 2$$

$$\begin{array}{r} 2057 \\ 3 \overline{) 6173} \\ \underline{6171} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 5 = 1234 \text{ remainder } 3$$

$$\begin{array}{r} 1234 \\ 5 \overline{) 6173} \\ \underline{6170} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 7 = 881 \text{ remainder } 6$$

$$\begin{array}{r} 881 \\ 7 \overline{) 6173} \\ \underline{6167} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 11 = 561 \text{ remainder } 2$$

$$\begin{array}{r} 561 \\ 11 \overline{) 6173} \\ \underline{6171} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 13 = 474 \text{ remainder } 11$$

$$\begin{array}{r} 474 \\ 13 \overline{) 6173} \\ \underline{6162} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 17 = 363 \text{ remainder } 2$$

$$\begin{array}{r} 363 \\ 17 \overline{) 6173} \\ \underline{6171} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 19 = 324 \text{ remainder } 17$$

$$\begin{array}{r} 324 \\ 19 \overline{) 6173} \\ \underline{6156} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 23 = 268 \text{ remainder } 9$$

$$\begin{array}{r} 268 \\ 23 \overline{) 6173} \\ \underline{6164} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 29 = 212 \text{ remainder } 25$$

$$\begin{array}{r} 212 \\ 29 \overline{) 6173} \\ \underline{6148} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 31 = 199 \text{ remainder } 4$$

$$\begin{array}{r} 199 \\ 31 \overline{) 6173} \end{array}$$

$$\begin{array}{r} 6169 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 37 = 166 \text{ remainder } 31$$

$$\begin{array}{r} 166 \\ 37 \overline{) 6173} \\ \underline{6142} \phantom{00} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 41 = 150 \text{ remainder } 23$$

$$\begin{array}{r} 150 \\ 41 \overline{) 6173} \\ \underline{6150} \phantom{00} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 43 = 143 \text{ remainder } 24$$

$$\begin{array}{r} 143 \\ 43 \overline{) 6173} \\ \underline{6149} \phantom{00} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 47 = 131 \text{ remainder } 16$$

$$\begin{array}{r} 131 \\ 47 \overline{) 6173} \\ \underline{6157} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 53 = 116 \text{ remainder } 25$$

$$\begin{array}{r} 116 \\ 53 \overline{) 6173} \\ \underline{6148} \phantom{00} \\ 25 \leftarrow \text{remainder} \end{array}$$



$$6173 \div 59 = 104 \text{ remainder } 37$$

$$\begin{array}{r} 104 \\ 59 \overline{) 6173} \\ \underline{6136} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 61 = 101 \text{ remainder } 12$$

$$\begin{array}{r} 101 \\ 61 \overline{) 6173} \\ \underline{6161} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 67 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6173} \\ \underline{6164} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 71 = 86 \text{ remainder } 67$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6173} \\ \underline{6106} \\ 67 \end{array} \leftarrow \text{remainder}$$

$$6173 \div 73 = 84 \text{ remainder } 41$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6173} \\ \underline{6132} \\ 41 \end{array} \leftarrow \text{remainder}$$

## **P<sub>805</sub> 6197**

$$6197 \div 2 = 3098 \text{ remainder } 1$$

$$\begin{array}{r} 3098 \\ 2 \overline{) 6197} \\ \underline{6196} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 3 = 2065 \text{ remainder } 2$$

$$\begin{array}{r} 2065 \\ 3 \overline{) 6197} \\ \underline{6195} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 5 = 1239 \text{ remainder } 2$$

$$\begin{array}{r} 1239 \\ 5 \overline{) 6197} \\ \underline{6195} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 7 = 885 \text{ remainder } 2$$

$$\begin{array}{r} 885 \\ 7 \overline{) 6197} \\ \underline{6195} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 11 = 563 \text{ remainder } 4$$

$$\begin{array}{r} 563 \\ 11 \overline{) 6197} \\ \underline{6193} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 13 = 476 \text{ remainder } 9$$

$$\begin{array}{r} 476 \\ 13 \overline{) 6197} \\ \underline{6188} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 17 = 364 \text{ remainder } 9$$

$$\begin{array}{r} 364 \\ 17 \overline{) 6197} \\ \underline{6188} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 19 = 326 \text{ remainder } 3$$

$$\begin{array}{r} 326 \\ 19 \overline{) 6197} \\ \underline{6194} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 23 = 269 \text{ remainder } 10$$

$$\begin{array}{r} 269 \\ 23 \overline{) 6197} \\ \underline{6187} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 29 = 213 \text{ remainder } 20$$

$$\begin{array}{r} 213 \\ 29 \overline{) 6197} \\ \underline{6177} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 31 = 199 \text{ remainder } 28$$

$$\begin{array}{r} 199 \\ 31 \overline{) 6197} \end{array}$$

$$\begin{array}{r} 6169 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 37 = 167 \text{ remainder } 18$$

$$\begin{array}{r} 167 \\ 37 \overline{) 6197} \\ \underline{6179} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 41 = 151 \text{ remainder } 6$$

$$\begin{array}{r} 151 \\ 41 \overline{) 6197} \\ \underline{6191} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 43 = 144 \text{ remainder } 5$$

$$\begin{array}{r} 144 \\ 43 \overline{) 6197} \\ \underline{6192} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 47 = 131 \text{ remainder } 40$$

$$\begin{array}{r} 131 \\ 47 \overline{) 6197} \\ \underline{6157} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 53 = 116 \text{ remainder } 49$$

$$\begin{array}{r} 116 \\ 53 \overline{) 6197} \\ \underline{6148} \\ 49 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 59 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 59 \overline{) 6197} \\ \underline{6195} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 61 = 101 \text{ remainder } 36$$

$$\begin{array}{r} 101 \\ 61 \overline{) 6197} \\ \underline{6161} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 67 = 92 \text{ remainder } 33$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6197} \\ \underline{6164} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 71 = 87 \text{ remainder } 20$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6197} \\ \underline{6177} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6197 \div 73 = 84 \text{ remainder } 65$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6197} \\ \underline{6132} \\ 65 \end{array} \leftarrow \text{remainder}$$

## **P<sub>806</sub> 6199**

$$6199 \div 2 = 3099 \text{ remainder } 1$$

$$\begin{array}{r} 3099 \\ 2 \overline{) 6199} \\ \underline{6198} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 3 = 2066 \text{ remainder } 1$$

$$\begin{array}{r} 2066 \\ 3 \overline{) 6199} \\ \underline{6198} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 5 = 1239 \text{ remainder } 4$$

$$\begin{array}{r} 1239 \\ 5 \overline{) 6199} \\ \underline{6195} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 7 = 885 \text{ remainder } 4$$

$$\begin{array}{r} 885 \\ 7 \overline{) 6199} \\ \underline{6195} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 11 = 563 \text{ remainder } 6$$

$$\begin{array}{r} 563 \\ 11 \overline{) 6199} \\ \underline{6193} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 13 = 476 \text{ remainder } 11$$

$$\begin{array}{r} 476 \\ 13 \overline{) 6199} \\ \underline{6188} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 17 = 364 \text{ remainder } 11$$

$$\begin{array}{r} 364 \\ 17 \overline{) 6199} \\ \underline{6188} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 19 = 326 \text{ remainder } 5$$

$$\begin{array}{r} 326 \\ 19 \overline{) 6199} \\ \underline{6194} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 23 = 269 \text{ remainder } 12$$

$$\begin{array}{r} 269 \\ 23 \overline{) 6199} \\ \underline{6187} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 29 = 213 \text{ remainder } 22$$

$$\begin{array}{r} 213 \\ 29 \overline{) 6199} \\ \underline{6177} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 31 = 199 \text{ remainder } 30$$

$$\begin{array}{r} 199 \\ 31 \overline{) 6199} \end{array}$$

6169

----

30 ← remainder

$$6199 \div 37 = 167 \text{ remainder } 20$$

167  
37 | 6199  
6179

----

20 ← remainder

$$6199 \div 41 = 151 \text{ remainder } 8$$

151  
41 | 6199  
6191

----

8 ← remainder

$$6199 \div 43 = 144 \text{ remainder } 7$$

144  
43 | 6199  
6192

----

7 ← remainder

$$6199 \div 47 = 131 \text{ remainder } 42$$

131  
47 | 6199  
6157

----

42 ← remainder

$$6199 \div 53 = 116 \text{ remainder } 51$$

116  
53 | 6199  
6148

----

51 ← remainder



$$6199 \div 59 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 59 \overline{) 6199} \\ \underline{6195} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 61 = 101 \text{ remainder } 38$$

$$\begin{array}{r} 101 \\ 61 \overline{) 6199} \\ \underline{6161} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 67 = 92 \text{ remainder } 35$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6199} \\ \underline{6164} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 71 = 87 \text{ remainder } 22$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6199} \\ \underline{6177} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6199 \div 73 = 84 \text{ remainder } 67$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6199} \\ \underline{6132} \\ 67 \end{array} \leftarrow \text{remainder}$$

## **P<sub>807</sub> 6203**

$$6203 \div 2 = 3101 \text{ remainder } 1$$

$$\begin{array}{r} 3101 \\ 2 \overline{) 6203} \\ \underline{6202} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 3 = 2067 \text{ remainder } 2$$

$$\begin{array}{r} 2067 \\ 3 \overline{) 6203} \\ \underline{6201} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 5 = 1240 \text{ remainder } 3$$

$$\begin{array}{r} 1240 \\ 5 \overline{) 6203} \\ \underline{6200} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 7 = 886 \text{ remainder } 1$$

$$\begin{array}{r} 886 \\ 7 \overline{) 6203} \\ \underline{6202} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 11 = 563 \text{ remainder } 10$$

$$\begin{array}{r} 563 \\ 11 \overline{) 6203} \\ \underline{6193} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 13 = 477 \text{ remainder } 2$$

$$\begin{array}{r} 477 \\ 13 \overline{) 6203} \\ \underline{6201} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 17 = 364 \text{ remainder } 15$$

$$\begin{array}{r} 364 \\ 17 \overline{) 6203} \\ \underline{6188} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 19 = 326 \text{ remainder } 9$$

$$\begin{array}{r} 326 \\ 19 \overline{) 6203} \\ \underline{6194} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 23 = 269 \text{ remainder } 16$$

$$\begin{array}{r} 269 \\ 23 \overline{) 6203} \\ \underline{6187} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 29 = 213 \text{ remainder } 26$$

$$\begin{array}{r} 213 \\ 29 \overline{) 6203} \\ \underline{6177} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 31 = 200 \text{ remainder } 3$$

$$\begin{array}{r} 200 \\ 31 \overline{) 6203} \end{array}$$

$$\begin{array}{r} 6200 \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 37 = 167 \text{ remainder } 24$$

$$\begin{array}{r} 167 \\ 37 \overline{) 6203} \\ \underline{6179} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 41 = 151 \text{ remainder } 12$$

$$\begin{array}{r} 151 \\ 41 \overline{) 6203} \\ \underline{6191} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 43 = 144 \text{ remainder } 11$$

$$\begin{array}{r} 144 \\ 43 \overline{) 6203} \\ \underline{6192} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 47 = 131 \text{ remainder } 46$$

$$\begin{array}{r} 131 \\ 47 \overline{) 6203} \\ \underline{6157} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 53 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 53 \overline{) 6203} \\ \underline{6201} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 59 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 59 \overline{) 6203} \\ \underline{6195} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 61 = 101 \text{ remainder } 42$$

$$\begin{array}{r} 101 \\ 61 \overline{) 6203} \\ \underline{6161} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 67 = 92 \text{ remainder } 39$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6203} \\ \underline{6164} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 71 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6203} \\ \underline{6177} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6203 \div 73 = 84 \text{ remainder } 71$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6203} \\ \underline{6132} \\ 71 \end{array} \leftarrow \text{remainder}$$

## **P<sub>808</sub> 6211**

$$6211 \div 2 = 3105 \text{ remainder } 1$$

$$\begin{array}{r} 3105 \\ 2 \overline{) 6211} \\ \underline{6210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 3 = 2070 \text{ remainder } 1$$

$$\begin{array}{r} 2070 \\ 3 \overline{) 6211} \\ \underline{6210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 5 = 1242 \text{ remainder } 1$$

$$\begin{array}{r} 1242 \\ 5 \overline{) 6211} \\ \underline{6210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 7 = 887 \text{ remainder } 2$$

$$\begin{array}{r} 887 \\ 7 \overline{) 6211} \\ \underline{6209} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 11 = 564 \text{ remainder } 7$$

$$\begin{array}{r} 564 \\ 11 \overline{) 6211} \\ \underline{6204} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 13 = 477 \text{ remainder } 10$$

$$\begin{array}{r} 477 \\ 13 \overline{) 6211} \\ \underline{6201} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 17 = 365 \text{ remainder } 6$$

$$\begin{array}{r} 365 \\ 17 \overline{) 6211} \\ \underline{6205} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 19 = 326 \text{ remainder } 17$$

$$\begin{array}{r} 326 \\ 19 \overline{) 6211} \\ \underline{6194} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 23 = 270 \text{ remainder } 1$$

$$\begin{array}{r} 270 \\ 23 \overline{) 6211} \\ \underline{6210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 29 = 214 \text{ remainder } 5$$

$$\begin{array}{r} 214 \\ 29 \overline{) 6211} \\ \underline{6206} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 31 = 200 \text{ remainder } 11$$

$$\begin{array}{r} 200 \\ 31 \overline{) 6211} \end{array}$$

6200

----

11 ← remainder

$$6211 \div 37 = 167 \text{ remainder } 32$$

$$\begin{array}{r} 167 \\ 37 \overline{) 6211} \\ \underline{6179} \end{array}$$

----

32 ← remainder

$$6211 \div 41 = 151 \text{ remainder } 20$$

$$\begin{array}{r} 151 \\ 41 \overline{) 6211} \\ \underline{6191} \end{array}$$

----

20 ← remainder

$$6211 \div 43 = 144 \text{ remainder } 19$$

$$\begin{array}{r} 144 \\ 43 \overline{) 6211} \\ \underline{6192} \end{array}$$

----

19 ← remainder

$$6211 \div 47 = 132 \text{ remainder } 7$$

$$\begin{array}{r} 132 \\ 47 \overline{) 6211} \\ \underline{6204} \end{array}$$

----

7 ← remainder

$$6211 \div 53 = 117 \text{ remainder } 10$$

$$\begin{array}{r} 117 \\ 53 \overline{) 6211} \\ \underline{6201} \end{array}$$

----

10 ← remainder



$$6211 \div 59 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 59 \overline{) 6211} \\ \underline{6195} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 61 = 101 \text{ remainder } 50$$

$$\begin{array}{r} 101 \\ 61 \overline{) 6211} \\ \underline{6161} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 67 = 92 \text{ remainder } 47$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6211} \\ \underline{6164} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 71 = 87 \text{ remainder } 34$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6211} \\ \underline{6177} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6211 \div 73 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6211} \\ \underline{6205} \\ 6 \end{array} \leftarrow \text{remainder}$$

## **P<sub>809</sub> 6217**

$$6217 \div 2 = 3108 \text{ remainder } 1$$

$$\begin{array}{r} 3108 \\ 2 \overline{) 6217} \\ \underline{6216} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 3 = 2072 \text{ remainder } 1$$

$$\begin{array}{r} 2072 \\ 3 \overline{) 6217} \\ \underline{6216} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 5 = 1243 \text{ remainder } 2$$

$$\begin{array}{r} 1243 \\ 5 \overline{) 6217} \\ \underline{6215} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 7 = 888 \text{ remainder } 1$$

$$\begin{array}{r} 888 \\ 7 \overline{) 6217} \\ \underline{6216} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 11 = 565 \text{ remainder } 2$$

$$\begin{array}{r} 565 \\ 11 \overline{) 6217} \\ \underline{6215} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 13 = 478 \text{ remainder } 3$$

$$\begin{array}{r} 478 \\ 13 \overline{) 6217} \\ \underline{6214} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 17 = 365 \text{ remainder } 12$$

$$\begin{array}{r} 365 \\ 17 \overline{) 6217} \\ \underline{6205} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 19 = 327 \text{ remainder } 4$$

$$\begin{array}{r} 327 \\ 19 \overline{) 6217} \\ \underline{6213} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 23 = 270 \text{ remainder } 7$$

$$\begin{array}{r} 270 \\ 23 \overline{) 6217} \\ \underline{6210} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 29 = 214 \text{ remainder } 11$$

$$\begin{array}{r} 214 \\ 29 \overline{) 6217} \\ \underline{6206} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 31 = 200 \text{ remainder } 17$$

$$\begin{array}{r} 200 \\ 31 \overline{) 6217} \end{array}$$

```

6200
----
17 ← remainder

```

$$6217 \div 37 = 168 \text{ remainder } 1$$

```

      168
37 | 6217
    6216
    ----
      1 ← remainder

```

$$6217 \div 41 = 151 \text{ remainder } 26$$

```

      151
41 | 6217
    6191
    ----
     26 ← remainder

```

$$6217 \div 43 = 144 \text{ remainder } 25$$

```

      144
43 | 6217
    6192
    ----
     25 ← remainder

```

$$6217 \div 47 = 132 \text{ remainder } 13$$

```

      132
47 | 6217
    6204
    ----
     13 ← remainder

```

$$6217 \div 53 = 117 \text{ remainder } 16$$

```

      117
53 | 6217
    6201
    ----
     16 ← remainder

```

$$6217 \div 59 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 59 \overline{) 6217} \\ \underline{6195} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 61 = 101 \text{ remainder } 56$$

$$\begin{array}{r} 101 \\ 61 \overline{) 6217} \\ \underline{6161} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 67 = 92 \text{ remainder } 53$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6217} \\ \underline{6164} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 71 = 87 \text{ remainder } 40$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6217} \\ \underline{6177} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$6217 \div 73 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6217} \\ \underline{6205} \\ 12 \end{array} \leftarrow \text{remainder}$$

## **P<sub>810</sub> 6221**

$$6221 \div 2 = 3110 \text{ remainder } 1$$

$$\begin{array}{r} 3110 \\ 2 \overline{) 6221} \\ \underline{6220} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 3 = 2073 \text{ remainder } 2$$

$$\begin{array}{r} 2073 \\ 3 \overline{) 6221} \\ \underline{6219} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 5 = 1244 \text{ remainder } 1$$

$$\begin{array}{r} 1244 \\ 5 \overline{) 6221} \\ \underline{6220} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 7 = 888 \text{ remainder } 5$$

$$\begin{array}{r} 888 \\ 7 \overline{) 6221} \\ \underline{6216} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 11 = 565 \text{ remainder } 6$$

$$\begin{array}{r} 565 \\ 11 \overline{) 6221} \\ \underline{6215} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 13 = 478 \text{ remainder } 7$$

$$\begin{array}{r} 478 \\ 13 \overline{) 6221} \\ \underline{6214} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 17 = 365 \text{ remainder } 16$$

$$\begin{array}{r} 365 \\ 17 \overline{) 6221} \\ \underline{6205} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 19 = 327 \text{ remainder } 8$$

$$\begin{array}{r} 327 \\ 19 \overline{) 6221} \\ \underline{6213} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 23 = 270 \text{ remainder } 11$$

$$\begin{array}{r} 270 \\ 23 \overline{) 6221} \\ \underline{6210} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 29 = 214 \text{ remainder } 15$$

$$\begin{array}{r} 214 \\ 29 \overline{) 6221} \\ \underline{6206} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 31 = 200 \text{ remainder } 21$$

$$\begin{array}{r} 200 \\ 31 \overline{) 6221} \end{array}$$

```

6200
----
21 ← remainder

```

$$6221 \div 37 = 168 \text{ remainder } 5$$

```

      168
37 | 6221
    6216
    ----
      5 ← remainder

```

$$6221 \div 41 = 151 \text{ remainder } 30$$

```

      151
41 | 6221
    6191
    ----
     30 ← remainder

```

$$6221 \div 43 = 144 \text{ remainder } 29$$

```

      144
43 | 6221
    6192
    ----
     29 ← remainder

```

$$6221 \div 47 = 132 \text{ remainder } 17$$

```

      132
47 | 6221
    6204
    ----
     17 ← remainder

```

$$6221 \div 53 = 117 \text{ remainder } 20$$

```

      117
53 | 6221
    6201
    ----
     20 ← remainder

```



$$6221 \div 59 = 105 \text{ remainder } 26$$

$$\begin{array}{r} 105 \\ 59 \overline{) 6221} \\ \underline{6195} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 61 = 101 \text{ remainder } 60$$

$$\begin{array}{r} 101 \\ 61 \overline{) 6221} \\ \underline{6161} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 67 = 92 \text{ remainder } 57$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6221} \\ \underline{6164} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 71 = 87 \text{ remainder } 44$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6221} \\ \underline{6177} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$6221 \div 73 = 85 \text{ remainder } 16$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6221} \\ \underline{6205} \\ 16 \end{array} \leftarrow \text{remainder}$$

## **P<sub>811</sub> 6229**

$$6229 \div 2 = 3114 \text{ remainder } 1$$

$$\begin{array}{r} 3114 \\ 2 \overline{) 6229} \\ \underline{6228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 3 = 2076 \text{ remainder } 1$$

$$\begin{array}{r} 2076 \\ 3 \overline{) 6229} \\ \underline{6228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 5 = 1245 \text{ remainder } 4$$

$$\begin{array}{r} 1245 \\ 5 \overline{) 6229} \\ \underline{6225} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 7 = 889 \text{ remainder } 6$$

$$\begin{array}{r} 889 \\ 7 \overline{) 6229} \\ \underline{6223} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 11 = 566 \text{ remainder } 3$$

$$\begin{array}{r} 566 \\ 11 \overline{) 6229} \\ \underline{6226} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 13 = 479 \text{ remainder } 2$$

$$\begin{array}{r} 479 \\ 13 \overline{) 6229} \\ \underline{6227} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 17 = 366 \text{ remainder } 7$$

$$\begin{array}{r} 366 \\ 17 \overline{) 6229} \\ \underline{6222} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 19 = 327 \text{ remainder } 16$$

$$\begin{array}{r} 327 \\ 19 \overline{) 6229} \\ \underline{6213} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 23 = 270 \text{ remainder } 19$$

$$\begin{array}{r} 270 \\ 23 \overline{) 6229} \\ \underline{6210} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 29 = 214 \text{ remainder } 23$$

$$\begin{array}{r} 214 \\ 29 \overline{) 6229} \\ \underline{6206} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 31 = 200 \text{ remainder } 29$$

$$\begin{array}{r} 200 \\ 31 \overline{) 6229} \end{array}$$

$$\begin{array}{r} 6200 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 37 = 168 \text{ remainder } 13$$

$$\begin{array}{r} 168 \\ 37 \overline{) 6229} \\ \underline{6216} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 41 = 151 \text{ remainder } 38$$

$$\begin{array}{r} 151 \\ 41 \overline{) 6229} \\ \underline{6191} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 43 = 144 \text{ remainder } 37$$

$$\begin{array}{r} 144 \\ 43 \overline{) 6229} \\ \underline{6192} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 47 = 132 \text{ remainder } 25$$

$$\begin{array}{r} 132 \\ 47 \overline{) 6229} \\ \underline{6204} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 53 = 117 \text{ remainder } 28$$

$$\begin{array}{r} 117 \\ 53 \overline{) 6229} \\ \underline{6201} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 59 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 59 \overline{) 6229} \\ \underline{6195} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 61 = 102 \text{ remainder } 7$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6229} \\ \underline{6222} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 67 = 92 \text{ remainder } 65$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6229} \\ \underline{6164} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 71 = 87 \text{ remainder } 52$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6229} \\ \underline{6177} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6229 \div 73 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6229} \\ \underline{6205} \\ 24 \end{array} \leftarrow \text{remainder}$$

## **P<sub>812</sub> 6247**

$$6247 \div 2 = 3123 \text{ remainder } 1$$

$$\begin{array}{r} 3123 \\ 2 \overline{) 6247} \\ \underline{6246} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 3 = 2082 \text{ remainder } 1$$

$$\begin{array}{r} 2082 \\ 3 \overline{) 6247} \\ \underline{6246} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 5 = 1249 \text{ remainder } 2$$

$$\begin{array}{r} 1249 \\ 5 \overline{) 6247} \\ \underline{6245} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 7 = 892 \text{ remainder } 3$$

$$\begin{array}{r} 892 \\ 7 \overline{) 6247} \\ \underline{6244} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 11 = 567 \text{ remainder } 10$$

$$\begin{array}{r} 567 \\ 11 \overline{) 6247} \\ \underline{6237} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 13 = 480 \text{ remainder } 7$$

$$\begin{array}{r} 480 \\ 13 \overline{) 6247} \\ \underline{6240} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 17 = 367 \text{ remainder } 8$$

$$\begin{array}{r} 367 \\ 17 \overline{) 6247} \\ \underline{6239} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 19 = 328 \text{ remainder } 15$$

$$\begin{array}{r} 328 \\ 19 \overline{) 6247} \\ \underline{6232} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 23 = 271 \text{ remainder } 14$$

$$\begin{array}{r} 271 \\ 23 \overline{) 6247} \\ \underline{6233} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 29 = 215 \text{ remainder } 12$$

$$\begin{array}{r} 215 \\ 29 \overline{) 6247} \\ \underline{6235} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 31 = 201 \text{ remainder } 16$$

$$\begin{array}{r} 201 \\ 31 \overline{) 6247} \end{array}$$

$$\begin{array}{r} 6231 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 37 = 168 \text{ remainder } 31$$

$$\begin{array}{r} 168 \\ 37 \overline{) 6247} \\ \underline{6216} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 41 = 152 \text{ remainder } 15$$

$$\begin{array}{r} 152 \\ 41 \overline{) 6247} \\ \underline{6232} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 43 = 145 \text{ remainder } 12$$

$$\begin{array}{r} 145 \\ 43 \overline{) 6247} \\ \underline{6235} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 47 = 132 \text{ remainder } 43$$

$$\begin{array}{r} 132 \\ 47 \overline{) 6247} \\ \underline{6204} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 53 = 117 \text{ remainder } 46$$

$$\begin{array}{r} 117 \\ 53 \overline{) 6247} \\ \underline{6201} \\ 46 \leftarrow \text{remainder} \end{array}$$



$$6247 \div 59 = 105 \text{ remainder } 52$$

$$\begin{array}{r} 105 \\ 59 \overline{) 6247} \\ \underline{6195} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 61 = 102 \text{ remainder } 25$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6247} \\ \underline{6222} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 67 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6247} \\ \underline{6231} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 71 = 87 \text{ remainder } 70$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6247} \\ \underline{6177} \\ 70 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 73 = 85 \text{ remainder } 42$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6247} \\ \underline{6205} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6247 \div 79 = 79 \text{ remainder } 6$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6247} \end{array}$$

6241

----

6 ← remainder

## **P<sub>813</sub> 6257**

$$6257 \div 2 = 3128 \text{ remainder } 1$$

$$\begin{array}{r} 3128 \\ 2 \overline{) 6257} \\ \underline{6256} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 3 = 2085 \text{ remainder } 2$$

$$\begin{array}{r} 2085 \\ 3 \overline{) 6257} \\ \underline{6255} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 5 = 1251 \text{ remainder } 2$$

$$\begin{array}{r} 1251 \\ 5 \overline{) 6257} \\ \underline{6255} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 7 = 893 \text{ remainder } 6$$

$$\begin{array}{r} 893 \\ 7 \overline{) 6257} \\ \underline{6251} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 11 = 568 \text{ remainder } 9$$

$$\begin{array}{r} 568 \\ 11 \overline{) 6257} \\ \underline{6248} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 13 = 481 \text{ remainder } 4$$

$$\begin{array}{r} 481 \\ 13 \overline{) 6257} \\ \underline{6253} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 17 = 368 \text{ remainder } 1$$

$$\begin{array}{r} 368 \\ 17 \overline{) 6257} \\ \underline{6256} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 19 = 329 \text{ remainder } 6$$

$$\begin{array}{r} 329 \\ 19 \overline{) 6257} \\ \underline{6251} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 23 = 272 \text{ remainder } 1$$

$$\begin{array}{r} 272 \\ 23 \overline{) 6257} \\ \underline{6256} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 29 = 215 \text{ remainder } 22$$

$$\begin{array}{r} 215 \\ 29 \overline{) 6257} \\ \underline{6235} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 31 = 201 \text{ remainder } 26$$

$$\begin{array}{r} 201 \\ 31 \overline{) 6257} \end{array}$$

$$\begin{array}{r} 6231 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 37 = 169 \text{ remainder } 4$$

$$\begin{array}{r} 169 \\ 37 \overline{) 6257} \\ \underline{6253} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 41 = 152 \text{ remainder } 25$$

$$\begin{array}{r} 152 \\ 41 \overline{) 6257} \\ \underline{6232} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 43 = 145 \text{ remainder } 22$$

$$\begin{array}{r} 145 \\ 43 \overline{) 6257} \\ \underline{6235} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 47 = 133 \text{ remainder } 6$$

$$\begin{array}{r} 133 \\ 47 \overline{) 6257} \\ \underline{6251} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 53 = 118 \text{ remainder } 3$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6257} \\ \underline{6254} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 59 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6257} \\ \underline{6254} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 61 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6257} \\ \underline{6222} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 67 = 93 \text{ remainder } 26$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6257} \\ \underline{6231} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 71 = 88 \text{ remainder } 9$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6257} \\ \underline{6248} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 73 = 85 \text{ remainder } 52$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6257} \\ \underline{6205} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6257 \div 79 = 79 \text{ remainder } 16$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6257} \end{array}$$

6241

----

16 ← remainder

## **P<sub>814</sub> 6263**

$$6263 \div 2 = 3131 \text{ remainder } 1$$

$$\begin{array}{r} 3131 \\ 2 \overline{) 6263} \\ \underline{6262} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 3 = 2087 \text{ remainder } 2$$

$$\begin{array}{r} 2087 \\ 3 \overline{) 6263} \\ \underline{6261} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 5 = 1252 \text{ remainder } 3$$

$$\begin{array}{r} 1252 \\ 5 \overline{) 6263} \\ \underline{6260} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 7 = 894 \text{ remainder } 5$$

$$\begin{array}{r} 894 \\ 7 \overline{) 6263} \\ \underline{6258} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 11 = 569 \text{ remainder } 4$$

$$\begin{array}{r} 569 \\ 11 \overline{) 6263} \\ \underline{6259} \\ 4 \end{array} \leftarrow \text{remainder}$$



$$6263 \div 13 = 481 \text{ remainder } 10$$

$$\begin{array}{r} 481 \\ 13 \overline{) 6263} \\ \underline{6253} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 17 = 368 \text{ remainder } 7$$

$$\begin{array}{r} 368 \\ 17 \overline{) 6263} \\ \underline{6256} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 19 = 329 \text{ remainder } 12$$

$$\begin{array}{r} 329 \\ 19 \overline{) 6263} \\ \underline{6251} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 23 = 272 \text{ remainder } 7$$

$$\begin{array}{r} 272 \\ 23 \overline{) 6263} \\ \underline{6256} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 29 = 215 \text{ remainder } 28$$

$$\begin{array}{r} 215 \\ 29 \overline{) 6263} \\ \underline{6235} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 31 = 202 \text{ remainder } 1$$

$$\begin{array}{r} 202 \\ 31 \overline{) 6263} \end{array}$$

6262

----

1 ← remainder

$$6263 \div 37 = 169 \text{ remainder } 10$$

$$\begin{array}{r} 169 \\ 37 \overline{) 6263} \\ \underline{6253} \end{array}$$

----

10 ← remainder

$$6263 \div 41 = 152 \text{ remainder } 31$$

$$\begin{array}{r} 152 \\ 41 \overline{) 6263} \\ \underline{6232} \end{array}$$

----

31 ← remainder

$$6263 \div 43 = 145 \text{ remainder } 28$$

$$\begin{array}{r} 145 \\ 43 \overline{) 6263} \\ \underline{6235} \end{array}$$

----

28 ← remainder

$$6263 \div 47 = 133 \text{ remainder } 12$$

$$\begin{array}{r} 133 \\ 47 \overline{) 6263} \\ \underline{6251} \end{array}$$

----

12 ← remainder

$$6263 \div 53 = 118 \text{ remainder } 9$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6263} \\ \underline{6254} \end{array}$$

----

9 ← remainder

$$6263 \div 59 = 106 \text{ remainder } 9$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6263} \\ \underline{6254} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 61 = 102 \text{ remainder } 41$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6263} \\ \underline{6222} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 67 = 93 \text{ remainder } 32$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6263} \\ \underline{6231} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 71 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6263} \\ \underline{6248} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 73 = 85 \text{ remainder } 58$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6263} \\ \underline{6205} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6263 \div 79 = 79 \text{ remainder } 22$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6263} \end{array}$$

6241

----

22 ← remainder

## **P<sub>815</sub> 6269**

$$6269 \div 2 = 3134 \text{ remainder } 1$$

$$\begin{array}{r} 3134 \\ 2 \overline{) 6269} \\ \underline{6268} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 3 = 2089 \text{ remainder } 2$$

$$\begin{array}{r} 2089 \\ 3 \overline{) 6269} \\ \underline{6267} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 5 = 1253 \text{ remainder } 4$$

$$\begin{array}{r} 1253 \\ 5 \overline{) 6269} \\ \underline{6265} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 7 = 895 \text{ remainder } 4$$

$$\begin{array}{r} 895 \\ 7 \overline{) 6269} \\ \underline{6265} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 11 = 569 \text{ remainder } 10$$

$$\begin{array}{r} 569 \\ 11 \overline{) 6269} \\ \underline{6259} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 13 = 482 \text{ remainder } 3$$

$$\begin{array}{r} 482 \\ 13 \overline{) 6269} \\ \underline{6266} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 17 = 368 \text{ remainder } 13$$

$$\begin{array}{r} 368 \\ 17 \overline{) 6269} \\ \underline{6256} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 19 = 329 \text{ remainder } 18$$

$$\begin{array}{r} 329 \\ 19 \overline{) 6269} \\ \underline{6251} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 23 = 272 \text{ remainder } 13$$

$$\begin{array}{r} 272 \\ 23 \overline{) 6269} \\ \underline{6256} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 29 = 216 \text{ remainder } 5$$

$$\begin{array}{r} 216 \\ 29 \overline{) 6269} \\ \underline{6264} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 31 = 202 \text{ remainder } 7$$

$$\begin{array}{r} 202 \\ 31 \overline{) 6269} \end{array}$$

$$\begin{array}{r} 6262 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 37 = 169 \text{ remainder } 16$$

$$\begin{array}{r} 169 \\ 37 \overline{) 6269} \\ \underline{6253} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 41 = 152 \text{ remainder } 37$$

$$\begin{array}{r} 152 \\ 41 \overline{) 6269} \\ \underline{6232} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 43 = 145 \text{ remainder } 34$$

$$\begin{array}{r} 145 \\ 43 \overline{) 6269} \\ \underline{6235} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 47 = 133 \text{ remainder } 18$$

$$\begin{array}{r} 133 \\ 47 \overline{) 6269} \\ \underline{6251} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 53 = 118 \text{ remainder } 15$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6269} \\ \underline{6254} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 59 = 106 \text{ remainder } 15$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6269} \\ \underline{6254} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 61 = 102 \text{ remainder } 47$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6269} \\ \underline{6222} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 67 = 93 \text{ remainder } 38$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6269} \\ \underline{6231} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 71 = 88 \text{ remainder } 21$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6269} \\ \underline{6248} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 73 = 85 \text{ remainder } 64$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6269} \\ \underline{6205} \\ 64 \end{array} \leftarrow \text{remainder}$$

$$6269 \div 79 = 79 \text{ remainder } 28$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6269} \end{array}$$



6241

----

28 ← remainder

## **P<sub>816</sub> 6271**

$$6271 \div 2 = 3135 \text{ remainder } 1$$

$$\begin{array}{r} 3135 \\ 2 \overline{) 6271} \\ \underline{6270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 3 = 2090 \text{ remainder } 1$$

$$\begin{array}{r} 2090 \\ 3 \overline{) 6271} \\ \underline{6270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 5 = 1254 \text{ remainder } 1$$

$$\begin{array}{r} 1254 \\ 5 \overline{) 6271} \\ \underline{6270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 7 = 895 \text{ remainder } 6$$

$$\begin{array}{r} 895 \\ 7 \overline{) 6271} \\ \underline{6265} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 11 = 570 \text{ remainder } 1$$

$$\begin{array}{r} 570 \\ 11 \overline{) 6271} \\ \underline{6270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 13 = 482 \text{ remainder } 5$$

$$\begin{array}{r} 482 \\ 13 \overline{) 6271} \\ \underline{6266} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 17 = 368 \text{ remainder } 15$$

$$\begin{array}{r} 368 \\ 17 \overline{) 6271} \\ \underline{6256} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 19 = 330 \text{ remainder } 1$$

$$\begin{array}{r} 330 \\ 19 \overline{) 6271} \\ \underline{6270} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 23 = 272 \text{ remainder } 15$$

$$\begin{array}{r} 272 \\ 23 \overline{) 6271} \\ \underline{6256} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 29 = 216 \text{ remainder } 7$$

$$\begin{array}{r} 216 \\ 29 \overline{) 6271} \\ \underline{6264} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6271 \div 31 = 202 \text{ remainder } 9$$

$$\begin{array}{r} 202 \\ 31 \overline{) 6271} \end{array}$$

$$\begin{array}{r} 6262 \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6271 \div 37 = 169 \text{ remainder } 18$$

$$\begin{array}{r} 169 \\ 37 \overline{) 6271} \\ \underline{6253} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6271 \div 41 = 152 \text{ remainder } 39$$

$$\begin{array}{r} 152 \\ 41 \overline{) 6271} \\ \underline{6232} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6271 \div 43 = 145 \text{ remainder } 36$$

$$\begin{array}{r} 145 \\ 43 \overline{) 6271} \\ \underline{6235} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6271 \div 47 = 133 \text{ remainder } 20$$

$$\begin{array}{r} 133 \\ 47 \overline{) 6271} \\ \underline{6251} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6271 \div 53 = 118 \text{ remainder } 17$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6271} \\ \underline{6254} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$6271 \div 59 = 106 \text{ remainder } 17$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6271} \\ \underline{6254} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6271 \div 61 = 102 \text{ remainder } 49$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6271} \\ \underline{6222} \phantom{00} \\ 49 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6271 \div 67 = 93 \text{ remainder } 40$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6271} \\ \underline{6231} \phantom{00} \\ 40 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6271 \div 71 = 88 \text{ remainder } 23$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6271} \\ \underline{6248} \phantom{00} \\ 23 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6271 \div 73 = 85 \text{ remainder } 66$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6271} \\ \underline{6205} \phantom{00} \\ 66 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6271 \div 79 = 79 \text{ remainder } 30$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6271} \end{array}$$

6241

----

30 ← remainder

## **P<sub>817</sub> 6277**

$$6277 \div 2 = 3138 \text{ remainder } 1$$

$$\begin{array}{r} 3138 \\ 2 \overline{) 6277} \\ \underline{6276} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 3 = 2092 \text{ remainder } 1$$

$$\begin{array}{r} 2092 \\ 3 \overline{) 6277} \\ \underline{6276} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 5 = 1255 \text{ remainder } 2$$

$$\begin{array}{r} 1255 \\ 5 \overline{) 6277} \\ \underline{6275} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 7 = 896 \text{ remainder } 5$$

$$\begin{array}{r} 896 \\ 7 \overline{) 6277} \\ \underline{6272} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 11 = 570 \text{ remainder } 7$$

$$\begin{array}{r} 570 \\ 11 \overline{) 6277} \\ \underline{6270} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 13 = 482 \text{ remainder } 11$$

$$\begin{array}{r} 482 \\ 13 \overline{) 6277} \\ \underline{6266} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 17 = 369 \text{ remainder } 4$$

$$\begin{array}{r} 369 \\ 17 \overline{) 6277} \\ \underline{6273} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 19 = 330 \text{ remainder } 7$$

$$\begin{array}{r} 330 \\ 19 \overline{) 6277} \\ \underline{6270} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 23 = 272 \text{ remainder } 21$$

$$\begin{array}{r} 272 \\ 23 \overline{) 6277} \\ \underline{6256} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 29 = 216 \text{ remainder } 13$$

$$\begin{array}{r} 216 \\ 29 \overline{) 6277} \\ \underline{6264} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 31 = 202 \text{ remainder } 15$$

$$\begin{array}{r} 202 \\ 31 \overline{) 6277} \end{array}$$



$$\begin{array}{r} 6262 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 37 = 169 \text{ remainder } 24$$

$$\begin{array}{r} 169 \\ 37 \overline{) 6277} \\ \underline{6253} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 41 = 153 \text{ remainder } 4$$

$$\begin{array}{r} 153 \\ 41 \overline{) 6277} \\ \underline{6273} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 43 = 145 \text{ remainder } 42$$

$$\begin{array}{r} 145 \\ 43 \overline{) 6277} \\ \underline{6235} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 47 = 133 \text{ remainder } 26$$

$$\begin{array}{r} 133 \\ 47 \overline{) 6277} \\ \underline{6251} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 53 = 118 \text{ remainder } 23$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6277} \\ \underline{6254} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 59 = 106 \text{ remainder } 23$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6277} \\ \underline{6254} \phantom{00} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 61 = 102 \text{ remainder } 55$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6277} \\ \underline{6222} \phantom{00} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 67 = 93 \text{ remainder } 46$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6277} \\ \underline{6231} \phantom{00} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 71 = 88 \text{ remainder } 29$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6277} \\ \underline{6248} \phantom{00} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 73 = 85 \text{ remainder } 72$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6277} \\ \underline{6205} \phantom{00} \\ 72 \end{array} \leftarrow \text{remainder}$$

$$6277 \div 79 = 79 \text{ remainder } 36$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6277} \end{array}$$

6241

----

36 ← remainder

## **P<sub>818</sub> 6287**

$$6287 \div 2 = 3143 \text{ remainder } 1$$

$$\begin{array}{r} 3143 \\ 2 \overline{) 6287} \\ \underline{6286} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 3 = 2095 \text{ remainder } 2$$

$$\begin{array}{r} 2095 \\ 3 \overline{) 6287} \\ \underline{6285} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 5 = 1257 \text{ remainder } 2$$

$$\begin{array}{r} 1257 \\ 5 \overline{) 6287} \\ \underline{6285} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 7 = 898 \text{ remainder } 1$$

$$\begin{array}{r} 898 \\ 7 \overline{) 6287} \\ \underline{6286} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 11 = 571 \text{ remainder } 6$$

$$\begin{array}{r} 571 \\ 11 \overline{) 6287} \\ \underline{6281} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 13 = 483 \text{ remainder } 8$$

$$\begin{array}{r} 483 \\ 13 \overline{) 6287} \\ \underline{6279} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 17 = 369 \text{ remainder } 14$$

$$\begin{array}{r} 369 \\ 17 \overline{) 6287} \\ \underline{6273} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 19 = 330 \text{ remainder } 17$$

$$\begin{array}{r} 330 \\ 19 \overline{) 6287} \\ \underline{6270} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 23 = 273 \text{ remainder } 8$$

$$\begin{array}{r} 273 \\ 23 \overline{) 6287} \\ \underline{6279} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 29 = 216 \text{ remainder } 23$$

$$\begin{array}{r} 216 \\ 29 \overline{) 6287} \\ \underline{6264} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 31 = 202 \text{ remainder } 25$$

$$\begin{array}{r} 202 \\ 31 \overline{) 6287} \end{array}$$

$$\begin{array}{r} 6262 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6287 \div 37 = 169 \text{ remainder } 34$$

$$\begin{array}{r} 169 \\ 37 \overline{) 6287} \\ \underline{6253} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6287 \div 41 = 153 \text{ remainder } 14$$

$$\begin{array}{r} 153 \\ 41 \overline{) 6287} \\ \underline{6273} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$6287 \div 43 = 146 \text{ remainder } 9$$

$$\begin{array}{r} 146 \\ 43 \overline{) 6287} \\ \underline{6278} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6287 \div 47 = 133 \text{ remainder } 36$$

$$\begin{array}{r} 133 \\ 47 \overline{) 6287} \\ \underline{6251} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6287 \div 53 = 118 \text{ remainder } 33$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6287} \\ \underline{6254} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6287 \div 59 = 106 \text{ remainder } 33$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6287} \\ \underline{6254} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 61 = 103 \text{ remainder } 4$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6287} \\ \underline{6283} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 67 = 93 \text{ remainder } 56$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6287} \\ \underline{6231} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 71 = 88 \text{ remainder } 39$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6287} \\ \underline{6248} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 73 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6287} \\ \underline{6278} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6287 \div 79 = 79 \text{ remainder } 46$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6287} \end{array}$$

6241

----

46 ← remainder



## **P<sub>819</sub> 6299**

$$6299 \div 2 = 3149 \text{ remainder } 1$$

$$\begin{array}{r} 3149 \\ 2 \overline{) 6299} \\ \underline{6298} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 3 = 2099 \text{ remainder } 2$$

$$\begin{array}{r} 2099 \\ 3 \overline{) 6299} \\ \underline{6297} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 5 = 1259 \text{ remainder } 4$$

$$\begin{array}{r} 1259 \\ 5 \overline{) 6299} \\ \underline{6295} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 7 = 899 \text{ remainder } 6$$

$$\begin{array}{r} 899 \\ 7 \overline{) 6299} \\ \underline{6293} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 11 = 572 \text{ remainder } 7$$

$$\begin{array}{r} 572 \\ 11 \overline{) 6299} \\ \underline{6292} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 13 = 484 \text{ remainder } 7$$

$$\begin{array}{r} 484 \\ 13 \overline{) 6299} \\ \underline{6292} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 17 = 370 \text{ remainder } 9$$

$$\begin{array}{r} 370 \\ 17 \overline{) 6299} \\ \underline{6290} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 19 = 331 \text{ remainder } 10$$

$$\begin{array}{r} 331 \\ 19 \overline{) 6299} \\ \underline{6289} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 23 = 273 \text{ remainder } 20$$

$$\begin{array}{r} 273 \\ 23 \overline{) 6299} \\ \underline{6279} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 29 = 217 \text{ remainder } 6$$

$$\begin{array}{r} 217 \\ 29 \overline{) 6299} \\ \underline{6293} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 31 = 203 \text{ remainder } 6$$

$$\begin{array}{r} 203 \\ 31 \overline{) 6299} \end{array}$$

$$\begin{array}{r} 6293 \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 37 = 170 \text{ remainder } 9$$

$$\begin{array}{r} 170 \\ 37 \overline{) 6299} \\ \underline{6290} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 41 = 153 \text{ remainder } 26$$

$$\begin{array}{r} 153 \\ 41 \overline{) 6299} \\ \underline{6273} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 43 = 146 \text{ remainder } 21$$

$$\begin{array}{r} 146 \\ 43 \overline{) 6299} \\ \underline{6278} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 47 = 134 \text{ remainder } 1$$

$$\begin{array}{r} 134 \\ 47 \overline{) 6299} \\ \underline{6298} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 53 = 118 \text{ remainder } 45$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6299} \\ \underline{6254} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 59 = 106 \text{ remainder } 45$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6299} \\ \underline{6254} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 61 = 103 \text{ remainder } 16$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6299} \\ \underline{6283} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 67 = 94 \text{ remainder } 1$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6299} \\ \underline{6298} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 71 = 88 \text{ remainder } 51$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6299} \\ \underline{6248} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 73 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6299} \\ \underline{6278} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6299 \div 79 = 79 \text{ remainder } 58$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6299} \end{array}$$

6241

----

58 ← remainder

## **P<sub>820</sub> 6301**

$$6301 \div 2 = 3150 \text{ remainder } 1$$

$$\begin{array}{r} 3150 \\ 2 \overline{) 6301} \\ \underline{6300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 3 = 2100 \text{ remainder } 1$$

$$\begin{array}{r} 2100 \\ 3 \overline{) 6301} \\ \underline{6300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 5 = 1260 \text{ remainder } 1$$

$$\begin{array}{r} 1260 \\ 5 \overline{) 6301} \\ \underline{6300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 7 = 900 \text{ remainder } 1$$

$$\begin{array}{r} 900 \\ 7 \overline{) 6301} \\ \underline{6300} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 11 = 572 \text{ remainder } 9$$

$$\begin{array}{r} 572 \\ 11 \overline{) 6301} \\ \underline{6292} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 13 = 484 \text{ remainder } 9$$

$$\begin{array}{r} 484 \\ 13 \overline{) 6301} \\ \underline{6292} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 17 = 370 \text{ remainder } 11$$

$$\begin{array}{r} 370 \\ 17 \overline{) 6301} \\ \underline{6290} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 19 = 331 \text{ remainder } 12$$

$$\begin{array}{r} 331 \\ 19 \overline{) 6301} \\ \underline{6289} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 23 = 273 \text{ remainder } 22$$

$$\begin{array}{r} 273 \\ 23 \overline{) 6301} \\ \underline{6279} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 29 = 217 \text{ remainder } 8$$

$$\begin{array}{r} 217 \\ 29 \overline{) 6301} \\ \underline{6293} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 31 = 203 \text{ remainder } 8$$

$$\begin{array}{r} 203 \\ 31 \overline{) 6301} \end{array}$$

$$\begin{array}{r} 6293 \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 37 = 170 \text{ remainder } 11$$

$$\begin{array}{r} 170 \\ 37 \overline{) 6301} \\ \underline{6290} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 41 = 153 \text{ remainder } 28$$

$$\begin{array}{r} 153 \\ 41 \overline{) 6301} \\ \underline{6273} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 43 = 146 \text{ remainder } 23$$

$$\begin{array}{r} 146 \\ 43 \overline{) 6301} \\ \underline{6278} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 47 = 134 \text{ remainder } 3$$

$$\begin{array}{r} 134 \\ 47 \overline{) 6301} \\ \underline{6298} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 53 = 118 \text{ remainder } 47$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6301} \\ \underline{6254} \\ 47 \leftarrow \text{remainder} \end{array}$$



$$6301 \div 59 = 106 \text{ remainder } 47$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6301} \\ \underline{6254} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 61 = 103 \text{ remainder } 18$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6301} \\ \underline{6283} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 67 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6301} \\ \underline{6298} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 71 = 88 \text{ remainder } 53$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6301} \\ \underline{6248} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 73 = 86 \text{ remainder } 23$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6301} \\ \underline{6278} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6301 \div 79 = 79 \text{ remainder } 60$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6301} \end{array}$$

6241

----

60 ← remainder

## **P<sub>821</sub> 6311**

$$6311 \div 2 = 3155 \text{ remainder } 1$$

$$\begin{array}{r} 3155 \\ 2 \overline{) 6311} \\ \underline{6310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 3 = 2103 \text{ remainder } 2$$

$$\begin{array}{r} 2103 \\ 3 \overline{) 6311} \\ \underline{6309} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 5 = 1262 \text{ remainder } 1$$

$$\begin{array}{r} 1262 \\ 5 \overline{) 6311} \\ \underline{6310} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 7 = 901 \text{ remainder } 4$$

$$\begin{array}{r} 901 \\ 7 \overline{) 6311} \\ \underline{6307} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 11 = 573 \text{ remainder } 8$$

$$\begin{array}{r} 573 \\ 11 \overline{) 6311} \\ \underline{6303} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 13 = 485 \text{ remainder } 6$$

$$\begin{array}{r} 485 \\ 13 \overline{) 6311} \\ \underline{6305} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 17 = 371 \text{ remainder } 4$$

$$\begin{array}{r} 371 \\ 17 \overline{) 6311} \\ \underline{6307} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 19 = 332 \text{ remainder } 3$$

$$\begin{array}{r} 332 \\ 19 \overline{) 6311} \\ \underline{6308} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 23 = 274 \text{ remainder } 9$$

$$\begin{array}{r} 274 \\ 23 \overline{) 6311} \\ \underline{6302} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 29 = 217 \text{ remainder } 18$$

$$\begin{array}{r} 217 \\ 29 \overline{) 6311} \\ \underline{6293} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6311 \div 31 = 203 \text{ remainder } 18$$

$$\begin{array}{r} 203 \\ 31 \overline{) 6311} \end{array}$$

$$\begin{array}{r} 6293 \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 37 = 170 \text{ remainder } 21$$

$$\begin{array}{r} 170 \\ 37 \mid \overline{6311} \\ \underline{6290} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 41 = 153 \text{ remainder } 38$$

$$\begin{array}{r} 153 \\ 41 \mid \overline{6311} \\ \underline{6273} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 43 = 146 \text{ remainder } 33$$

$$\begin{array}{r} 146 \\ 43 \mid \overline{6311} \\ \underline{6278} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 47 = 134 \text{ remainder } 13$$

$$\begin{array}{r} 134 \\ 47 \mid \overline{6311} \\ \underline{6298} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 53 = 119 \text{ remainder } 4$$

$$\begin{array}{r} 119 \\ 53 \mid \overline{6311} \\ \underline{6307} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 59 = 106 \text{ remainder } 57$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6311} \\ \underline{6254} \phantom{00} \\ 57 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6311 \div 61 = 103 \text{ remainder } 28$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6311} \\ \underline{6283} \phantom{00} \\ 28 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6311 \div 67 = 94 \text{ remainder } 13$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6311} \\ \underline{6298} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6311 \div 71 = 88 \text{ remainder } 63$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6311} \\ \underline{6248} \phantom{00} \\ 63 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6311 \div 73 = 86 \text{ remainder } 33$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6311} \\ \underline{6278} \phantom{00} \\ 33 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6311 \div 79 = 79 \text{ remainder } 70$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6311} \end{array}$$

6241

----

70 ← remainder

## **P<sub>822</sub> 6317**

$$6317 \div 2 = 3158 \text{ remainder } 1$$

$$\begin{array}{r} 3158 \\ 2 \overline{) 6317} \\ \underline{6316} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 3 = 2105 \text{ remainder } 2$$

$$\begin{array}{r} 2105 \\ 3 \overline{) 6317} \\ \underline{6315} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 5 = 1263 \text{ remainder } 2$$

$$\begin{array}{r} 1263 \\ 5 \overline{) 6317} \\ \underline{6315} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 7 = 902 \text{ remainder } 3$$

$$\begin{array}{r} 902 \\ 7 \overline{) 6317} \\ \underline{6314} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 11 = 574 \text{ remainder } 3$$

$$\begin{array}{r} 574 \\ 11 \overline{) 6317} \\ \underline{6314} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$6317 \div 13 = 485 \text{ remainder } 12$$

$$\begin{array}{r} 485 \\ 13 \overline{) 6317} \\ \underline{6305} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 17 = 371 \text{ remainder } 10$$

$$\begin{array}{r} 371 \\ 17 \overline{) 6317} \\ \underline{6307} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 19 = 332 \text{ remainder } 9$$

$$\begin{array}{r} 332 \\ 19 \overline{) 6317} \\ \underline{6308} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 23 = 274 \text{ remainder } 15$$

$$\begin{array}{r} 274 \\ 23 \overline{) 6317} \\ \underline{6302} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 29 = 217 \text{ remainder } 24$$

$$\begin{array}{r} 217 \\ 29 \overline{) 6317} \\ \underline{6293} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 31 = 203 \text{ remainder } 24$$

$$\begin{array}{r} 203 \\ 31 \overline{) 6317} \end{array}$$

$$\begin{array}{r} 6293 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 37 = 170 \text{ remainder } 27$$

$$\begin{array}{r} 170 \\ 37 \mid \overline{6317} \\ \underline{6290} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 41 = 154 \text{ remainder } 3$$

$$\begin{array}{r} 154 \\ 41 \mid \overline{6317} \\ \underline{6314} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 43 = 146 \text{ remainder } 39$$

$$\begin{array}{r} 146 \\ 43 \mid \overline{6317} \\ \underline{6278} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 47 = 134 \text{ remainder } 19$$

$$\begin{array}{r} 134 \\ 47 \mid \overline{6317} \\ \underline{6298} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 53 = 119 \text{ remainder } 10$$

$$\begin{array}{r} 119 \\ 53 \mid \overline{6317} \\ \underline{6307} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 59 = 107 \text{ remainder } 4$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6317} \\ \underline{6313} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 61 = 103 \text{ remainder } 34$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6317} \\ \underline{6283} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 67 = 94 \text{ remainder } 19$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6317} \\ \underline{6298} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 71 = 88 \text{ remainder } 69$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6317} \\ \underline{6248} \\ 69 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 73 = 86 \text{ remainder } 39$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6317} \\ \underline{6278} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$6317 \div 79 = 79 \text{ remainder } 76$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6317} \end{array}$$

6241

----

76 ← remainder

## **P<sub>823</sub> 6323**

$$6323 \div 2 = 3161 \text{ remainder } 1$$

$$\begin{array}{r} 3161 \\ 2 \overline{) 6323} \\ \underline{6322} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 3 = 2107 \text{ remainder } 2$$

$$\begin{array}{r} 2107 \\ 3 \overline{) 6323} \\ \underline{6321} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 5 = 1264 \text{ remainder } 3$$

$$\begin{array}{r} 1264 \\ 5 \overline{) 6323} \\ \underline{6320} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 7 = 903 \text{ remainder } 2$$

$$\begin{array}{r} 903 \\ 7 \overline{) 6323} \\ \underline{6321} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 11 = 574 \text{ remainder } 9$$

$$\begin{array}{r} 574 \\ 11 \overline{) 6323} \\ \underline{6314} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 13 = 486 \text{ remainder } 5$$

$$\begin{array}{r} 486 \\ 13 \overline{) 6323} \\ \underline{6318} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 17 = 371 \text{ remainder } 16$$

$$\begin{array}{r} 371 \\ 17 \overline{) 6323} \\ \underline{6307} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 19 = 332 \text{ remainder } 15$$

$$\begin{array}{r} 332 \\ 19 \overline{) 6323} \\ \underline{6308} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 23 = 274 \text{ remainder } 21$$

$$\begin{array}{r} 274 \\ 23 \overline{) 6323} \\ \underline{6302} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 29 = 218 \text{ remainder } 1$$

$$\begin{array}{r} 218 \\ 29 \overline{) 6323} \\ \underline{6322} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 31 = 203 \text{ remainder } 30$$

$$\begin{array}{r} 203 \\ 31 \overline{) 6323} \end{array}$$

6293

----

30 ← remainder

$$6323 \div 37 = 170 \text{ remainder } 33$$

170  
37 | 6323  
6290

----

33 ← remainder

$$6323 \div 41 = 154 \text{ remainder } 9$$

154  
41 | 6323  
6314

----

9 ← remainder

$$6323 \div 43 = 147 \text{ remainder } 2$$

147  
43 | 6323  
6321

----

2 ← remainder

$$6323 \div 47 = 134 \text{ remainder } 25$$

134  
47 | 6323  
6298

----

25 ← remainder

$$6323 \div 53 = 119 \text{ remainder } 16$$

119  
53 | 6323  
6307

----

16 ← remainder

$$6323 \div 59 = 107 \text{ remainder } 10$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6323} \\ \underline{6313} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 61 = 103 \text{ remainder } 40$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6323} \\ \underline{6283} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 67 = 94 \text{ remainder } 25$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6323} \\ \underline{6298} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 71 = 89 \text{ remainder } 4$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6323} \\ \underline{6319} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 73 = 86 \text{ remainder } 45$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6323} \\ \underline{6278} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6323 \div 79 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6323} \end{array}$$



6320

----

3 ← remainder

## **P<sub>824</sub> 6329**

$$6329 \div 2 = 3164 \text{ remainder } 1$$

$$\begin{array}{r} 3164 \\ 2 \overline{) 6329} \\ \underline{6328} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 3 = 2109 \text{ remainder } 2$$

$$\begin{array}{r} 2109 \\ 3 \overline{) 6329} \\ \underline{6327} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 5 = 1265 \text{ remainder } 4$$

$$\begin{array}{r} 1265 \\ 5 \overline{) 6329} \\ \underline{6325} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 7 = 904 \text{ remainder } 1$$

$$\begin{array}{r} 904 \\ 7 \overline{) 6329} \\ \underline{6328} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 11 = 575 \text{ remainder } 4$$

$$\begin{array}{r} 575 \\ 11 \overline{) 6329} \\ \underline{6325} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 13 = 486 \text{ remainder } 11$$

$$\begin{array}{r} 486 \\ 13 \overline{) 6329} \\ \underline{6318} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 17 = 372 \text{ remainder } 5$$

$$\begin{array}{r} 372 \\ 17 \overline{) 6329} \\ \underline{6324} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 19 = 333 \text{ remainder } 2$$

$$\begin{array}{r} 333 \\ 19 \overline{) 6329} \\ \underline{6327} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 23 = 275 \text{ remainder } 4$$

$$\begin{array}{r} 275 \\ 23 \overline{) 6329} \\ \underline{6325} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 29 = 218 \text{ remainder } 7$$

$$\begin{array}{r} 218 \\ 29 \overline{) 6329} \\ \underline{6322} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 31 = 204 \text{ remainder } 5$$

$$\begin{array}{r} 204 \\ 31 \overline{) 6329} \end{array}$$

$$\begin{array}{r} 6324 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 37 = 171 \text{ remainder } 2$$

$$\begin{array}{r} 171 \\ 37 \overline{) 6329} \\ \underline{6327} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 41 = 154 \text{ remainder } 15$$

$$\begin{array}{r} 154 \\ 41 \overline{) 6329} \\ \underline{6314} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 43 = 147 \text{ remainder } 8$$

$$\begin{array}{r} 147 \\ 43 \overline{) 6329} \\ \underline{6321} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 47 = 134 \text{ remainder } 31$$

$$\begin{array}{r} 134 \\ 47 \overline{) 6329} \\ \underline{6298} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 53 = 119 \text{ remainder } 22$$

$$\begin{array}{r} 119 \\ 53 \overline{) 6329} \\ \underline{6307} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 59 = 107 \text{ remainder } 16$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6329} \\ \underline{6313} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 61 = 103 \text{ remainder } 46$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6329} \\ \underline{6283} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 67 = 94 \text{ remainder } 31$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6329} \\ \underline{6298} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 71 = 89 \text{ remainder } 10$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6329} \\ \underline{6319} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 73 = 86 \text{ remainder } 51$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6329} \\ \underline{6278} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$6329 \div 79 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6329} \end{array}$$

6320

----

9 ← remainder

## **P<sub>825</sub> 6337**

$$6337 \div 2 = 3168 \text{ remainder } 1$$

$$\begin{array}{r} 3168 \\ 2 \overline{) 6337} \\ \underline{6336} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 3 = 2112 \text{ remainder } 1$$

$$\begin{array}{r} 2112 \\ 3 \overline{) 6337} \\ \underline{6336} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 5 = 1267 \text{ remainder } 2$$

$$\begin{array}{r} 1267 \\ 5 \overline{) 6337} \\ \underline{6335} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 7 = 905 \text{ remainder } 2$$

$$\begin{array}{r} 905 \\ 7 \overline{) 6337} \\ \underline{6335} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 11 = 576 \text{ remainder } 1$$

$$\begin{array}{r} 576 \\ 11 \overline{) 6337} \\ \underline{6336} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 13 = 487 \text{ remainder } 6$$

$$\begin{array}{r} 487 \\ 13 \overline{) 6337} \\ \underline{6331} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 17 = 372 \text{ remainder } 13$$

$$\begin{array}{r} 372 \\ 17 \overline{) 6337} \\ \underline{6324} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 19 = 333 \text{ remainder } 10$$

$$\begin{array}{r} 333 \\ 19 \overline{) 6337} \\ \underline{6327} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 23 = 275 \text{ remainder } 12$$

$$\begin{array}{r} 275 \\ 23 \overline{) 6337} \\ \underline{6325} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 29 = 218 \text{ remainder } 15$$

$$\begin{array}{r} 218 \\ 29 \overline{) 6337} \\ \underline{6322} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 31 = 204 \text{ remainder } 13$$

$$\begin{array}{r} 204 \\ 31 \overline{) 6337} \end{array}$$



$$\begin{array}{r} 6324 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 37 = 171 \text{ remainder } 10$$

$$\begin{array}{r} 171 \\ 37 \mid \overline{6337} \\ \underline{6327} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 41 = 154 \text{ remainder } 23$$

$$\begin{array}{r} 154 \\ 41 \mid \overline{6337} \\ \underline{6314} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 43 = 147 \text{ remainder } 16$$

$$\begin{array}{r} 147 \\ 43 \mid \overline{6337} \\ \underline{6321} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 47 = 134 \text{ remainder } 39$$

$$\begin{array}{r} 134 \\ 47 \mid \overline{6337} \\ \underline{6298} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 53 = 119 \text{ remainder } 30$$

$$\begin{array}{r} 119 \\ 53 \mid \overline{6337} \\ \underline{6307} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 59 = 107 \text{ remainder } 24$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6337} \\ \underline{6313} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 61 = 103 \text{ remainder } 54$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6337} \\ \underline{6283} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 67 = 94 \text{ remainder } 39$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6337} \\ \underline{6298} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 71 = 89 \text{ remainder } 18$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6337} \\ \underline{6319} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 73 = 86 \text{ remainder } 59$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6337} \\ \underline{6278} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$6337 \div 79 = 80 \text{ remainder } 17$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6337} \end{array}$$

6320

----

17 ← remainder

## **P<sub>826</sub> 6343**

$$6343 \div 2 = 3171 \text{ remainder } 1$$

$$\begin{array}{r} 3171 \\ 2 \overline{) 6343} \\ \underline{6342} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 3 = 2114 \text{ remainder } 1$$

$$\begin{array}{r} 2114 \\ 3 \overline{) 6343} \\ \underline{6342} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 5 = 1268 \text{ remainder } 3$$

$$\begin{array}{r} 1268 \\ 5 \overline{) 6343} \\ \underline{6340} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 7 = 906 \text{ remainder } 1$$

$$\begin{array}{r} 906 \\ 7 \overline{) 6343} \\ \underline{6342} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 11 = 576 \text{ remainder } 7$$

$$\begin{array}{r} 576 \\ 11 \overline{) 6343} \\ \underline{6336} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 13 = 487 \text{ remainder } 12$$

$$\begin{array}{r} 487 \\ 13 \overline{) 6343} \\ \underline{6331} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 17 = 373 \text{ remainder } 2$$

$$\begin{array}{r} 373 \\ 17 \overline{) 6343} \\ \underline{6341} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 19 = 333 \text{ remainder } 16$$

$$\begin{array}{r} 333 \\ 19 \overline{) 6343} \\ \underline{6327} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 23 = 275 \text{ remainder } 18$$

$$\begin{array}{r} 275 \\ 23 \overline{) 6343} \\ \underline{6325} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 29 = 218 \text{ remainder } 21$$

$$\begin{array}{r} 218 \\ 29 \overline{) 6343} \\ \underline{6322} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 31 = 204 \text{ remainder } 19$$

$$\begin{array}{r} 204 \\ 31 \overline{) 6343} \end{array}$$

$$\begin{array}{r} 6324 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6343 \div 37 = 171 \text{ remainder } 16$$

$$\begin{array}{r} 171 \\ 37 \overline{) 6343} \\ \underline{6327} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6343 \div 41 = 154 \text{ remainder } 29$$

$$\begin{array}{r} 154 \\ 41 \overline{) 6343} \\ \underline{6314} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6343 \div 43 = 147 \text{ remainder } 22$$

$$\begin{array}{r} 147 \\ 43 \overline{) 6343} \\ \underline{6321} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6343 \div 47 = 134 \text{ remainder } 45$$

$$\begin{array}{r} 134 \\ 47 \overline{) 6343} \\ \underline{6298} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6343 \div 53 = 119 \text{ remainder } 36$$

$$\begin{array}{r} 119 \\ 53 \overline{) 6343} \\ \underline{6307} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6343 \div 59 = 107 \text{ remainder } 30$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6343} \\ \underline{6313} \phantom{00} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 61 = 103 \text{ remainder } 60$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6343} \\ \underline{6283} \phantom{00} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 67 = 94 \text{ remainder } 45$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6343} \\ \underline{6298} \phantom{00} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 71 = 89 \text{ remainder } 24$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6343} \\ \underline{6319} \phantom{00} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 73 = 86 \text{ remainder } 65$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6343} \\ \underline{6278} \phantom{00} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$6343 \div 79 = 80 \text{ remainder } 23$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6343} \end{array}$$

6320

----

23 ← remainder



## **P<sub>827</sub> 6353**

$$6353 \div 2 = 3176 \text{ remainder } 1$$

$$\begin{array}{r} 3176 \\ 2 \overline{) 6353} \\ \underline{6352} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 3 = 2117 \text{ remainder } 2$$

$$\begin{array}{r} 2117 \\ 3 \overline{) 6353} \\ \underline{6351} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 5 = 1270 \text{ remainder } 3$$

$$\begin{array}{r} 1270 \\ 5 \overline{) 6353} \\ \underline{6350} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 7 = 907 \text{ remainder } 4$$

$$\begin{array}{r} 907 \\ 7 \overline{) 6353} \\ \underline{6349} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 11 = 577 \text{ remainder } 6$$

$$\begin{array}{r} 577 \\ 11 \overline{) 6353} \\ \underline{6347} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 13 = 488 \text{ remainder } 9$$

$$\begin{array}{r} 488 \\ 13 \overline{) 6353} \\ \underline{6344} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 17 = 373 \text{ remainder } 12$$

$$\begin{array}{r} 373 \\ 17 \overline{) 6353} \\ \underline{6341} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 19 = 334 \text{ remainder } 7$$

$$\begin{array}{r} 334 \\ 19 \overline{) 6353} \\ \underline{6346} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 23 = 276 \text{ remainder } 5$$

$$\begin{array}{r} 276 \\ 23 \overline{) 6353} \\ \underline{6348} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 29 = 219 \text{ remainder } 2$$

$$\begin{array}{r} 219 \\ 29 \overline{) 6353} \\ \underline{6351} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 31 = 204 \text{ remainder } 29$$

$$\begin{array}{r} 204 \\ 31 \overline{) 6353} \end{array}$$

$$\begin{array}{r} 6324 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 37 = 171 \text{ remainder } 26$$

$$\begin{array}{r} 171 \\ 37 \overline{) 6353} \\ \underline{6327} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 41 = 154 \text{ remainder } 39$$

$$\begin{array}{r} 154 \\ 41 \overline{) 6353} \\ \underline{6314} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 43 = 147 \text{ remainder } 32$$

$$\begin{array}{r} 147 \\ 43 \overline{) 6353} \\ \underline{6321} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 47 = 135 \text{ remainder } 8$$

$$\begin{array}{r} 135 \\ 47 \overline{) 6353} \\ \underline{6345} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 53 = 119 \text{ remainder } 46$$

$$\begin{array}{r} 119 \\ 53 \overline{) 6353} \\ \underline{6307} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 59 = 107 \text{ remainder } 40$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6353} \\ \underline{6313} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 61 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6353} \\ \underline{6344} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 67 = 94 \text{ remainder } 55$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6353} \\ \underline{6298} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 71 = 89 \text{ remainder } 34$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6353} \\ \underline{6319} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 73 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6353} \\ \underline{6351} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6353 \div 79 = 80 \text{ remainder } 33$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6353} \end{array}$$

6320

----

33 ← remainder

## **P<sub>828</sub> 6359**

$$6359 \div 2 = 3179 \text{ remainder } 1$$

$$\begin{array}{r} 3179 \\ 2 \overline{) 6359} \\ \underline{6358} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 3 = 2119 \text{ remainder } 2$$

$$\begin{array}{r} 2119 \\ 3 \overline{) 6359} \\ \underline{6357} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 5 = 1271 \text{ remainder } 4$$

$$\begin{array}{r} 1271 \\ 5 \overline{) 6359} \\ \underline{6355} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 7 = 908 \text{ remainder } 3$$

$$\begin{array}{r} 908 \\ 7 \overline{) 6359} \\ \underline{6356} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 11 = 578 \text{ remainder } 1$$

$$\begin{array}{r} 578 \\ 11 \overline{) 6359} \\ \underline{6358} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 13 = 489 \text{ remainder } 2$$

$$\begin{array}{r} 489 \\ 13 \overline{) 6359} \\ \underline{6357} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 17 = 374 \text{ remainder } 1$$

$$\begin{array}{r} 374 \\ 17 \overline{) 6359} \\ \underline{6358} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 19 = 334 \text{ remainder } 13$$

$$\begin{array}{r} 334 \\ 19 \overline{) 6359} \\ \underline{6346} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 23 = 276 \text{ remainder } 11$$

$$\begin{array}{r} 276 \\ 23 \overline{) 6359} \\ \underline{6348} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 29 = 219 \text{ remainder } 8$$

$$\begin{array}{r} 219 \\ 29 \overline{) 6359} \\ \underline{6351} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 31 = 205 \text{ remainder } 4$$

$$\begin{array}{r} 205 \\ 31 \overline{) 6359} \end{array}$$

$$\begin{array}{r} 6355 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 37 = 171 \text{ remainder } 32$$

$$\begin{array}{r} 171 \\ 37 \overline{) 6359} \\ \underline{6327} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 41 = 155 \text{ remainder } 4$$

$$\begin{array}{r} 155 \\ 41 \overline{) 6359} \\ \underline{6355} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 43 = 147 \text{ remainder } 38$$

$$\begin{array}{r} 147 \\ 43 \overline{) 6359} \\ \underline{6321} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 47 = 135 \text{ remainder } 14$$

$$\begin{array}{r} 135 \\ 47 \overline{) 6359} \\ \underline{6345} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 53 = 119 \text{ remainder } 52$$

$$\begin{array}{r} 119 \\ 53 \overline{) 6359} \\ \underline{6307} \\ 52 \leftarrow \text{remainder} \end{array}$$



$$6359 \div 59 = 107 \text{ remainder } 46$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6359} \\ \underline{6313} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 61 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6359} \\ \underline{6344} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 67 = 94 \text{ remainder } 61$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6359} \\ \underline{6298} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 71 = 89 \text{ remainder } 40$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6359} \\ \underline{6319} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 73 = 87 \text{ remainder } 8$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6359} \\ \underline{6351} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6359 \div 79 = 80 \text{ remainder } 39$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6359} \end{array}$$

6320

----

39 ← remainder

## **P<sub>829</sub> 6361**

$$6361 \div 2 = 3180 \text{ remainder } 1$$

$$\begin{array}{r} 3180 \\ 2 \overline{) 6361} \\ \underline{6360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 3 = 2120 \text{ remainder } 1$$

$$\begin{array}{r} 2120 \\ 3 \overline{) 6361} \\ \underline{6360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 5 = 1272 \text{ remainder } 1$$

$$\begin{array}{r} 1272 \\ 5 \overline{) 6361} \\ \underline{6360} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 7 = 908 \text{ remainder } 5$$

$$\begin{array}{r} 908 \\ 7 \overline{) 6361} \\ \underline{6356} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 11 = 578 \text{ remainder } 3$$

$$\begin{array}{r} 578 \\ 11 \overline{) 6361} \\ \underline{6358} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 13 = 489 \text{ remainder } 4$$

$$\begin{array}{r} 489 \\ 13 \overline{) 6361} \\ \underline{6357} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 17 = 374 \text{ remainder } 3$$

$$\begin{array}{r} 374 \\ 17 \overline{) 6361} \\ \underline{6358} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 19 = 334 \text{ remainder } 15$$

$$\begin{array}{r} 334 \\ 19 \overline{) 6361} \\ \underline{6346} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 23 = 276 \text{ remainder } 13$$

$$\begin{array}{r} 276 \\ 23 \overline{) 6361} \\ \underline{6348} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 29 = 219 \text{ remainder } 10$$

$$\begin{array}{r} 219 \\ 29 \overline{) 6361} \\ \underline{6351} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 31 = 205 \text{ remainder } 6$$

$$\begin{array}{r} 205 \\ 31 \overline{) 6361} \end{array}$$

$$\begin{array}{r} 6355 \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6361 \div 37 = 171 \text{ remainder } 34$$

$$\begin{array}{r} 171 \\ 37 \overline{) 6361} \\ \underline{6327} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6361 \div 41 = 155 \text{ remainder } 6$$

$$\begin{array}{r} 155 \\ 41 \overline{) 6361} \\ \underline{6355} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6361 \div 43 = 147 \text{ remainder } 40$$

$$\begin{array}{r} 147 \\ 43 \overline{) 6361} \\ \underline{6321} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$6361 \div 47 = 135 \text{ remainder } 16$$

$$\begin{array}{r} 135 \\ 47 \overline{) 6361} \\ \underline{6345} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6361 \div 53 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 53 \overline{) 6361} \\ \underline{6360} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6361 \div 59 = 107 \text{ remainder } 48$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6361} \\ \underline{6313} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 61 = 104 \text{ remainder } 17$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6361} \\ \underline{6344} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 67 = 94 \text{ remainder } 63$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6361} \\ \underline{6298} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 71 = 89 \text{ remainder } 42$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6361} \\ \underline{6319} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 73 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6361} \\ \underline{6351} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6361 \div 79 = 80 \text{ remainder } 41$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6361} \end{array}$$

6320

----

41 ← remainder

## **P<sub>830</sub> 6367**

$$6367 \div 2 = 3183 \text{ remainder } 1$$

$$\begin{array}{r} 3183 \\ 2 \overline{) 6367} \\ \underline{6366} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 3 = 2122 \text{ remainder } 1$$

$$\begin{array}{r} 2122 \\ 3 \overline{) 6367} \\ \underline{6366} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 5 = 1273 \text{ remainder } 2$$

$$\begin{array}{r} 1273 \\ 5 \overline{) 6367} \\ \underline{6365} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 7 = 909 \text{ remainder } 4$$

$$\begin{array}{r} 909 \\ 7 \overline{) 6367} \\ \underline{6363} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 11 = 578 \text{ remainder } 9$$

$$\begin{array}{r} 578 \\ 11 \overline{) 6367} \\ \underline{6358} \\ 9 \end{array} \leftarrow \text{remainder}$$



$$6367 \div 13 = 489 \text{ remainder } 10$$

$$\begin{array}{r} 489 \\ 13 \overline{) 6367} \\ \underline{6357} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 17 = 374 \text{ remainder } 9$$

$$\begin{array}{r} 374 \\ 17 \overline{) 6367} \\ \underline{6358} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 19 = 335 \text{ remainder } 2$$

$$\begin{array}{r} 335 \\ 19 \overline{) 6367} \\ \underline{6365} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 23 = 276 \text{ remainder } 19$$

$$\begin{array}{r} 276 \\ 23 \overline{) 6367} \\ \underline{6348} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 29 = 219 \text{ remainder } 16$$

$$\begin{array}{r} 219 \\ 29 \overline{) 6367} \\ \underline{6351} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 31 = 205 \text{ remainder } 12$$

$$\begin{array}{r} 205 \\ 31 \overline{) 6367} \end{array}$$

$$\begin{array}{r} 6355 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6367 \div 37 = 172 \text{ remainder } 3$$

$$\begin{array}{r} 172 \\ 37 \overline{) 6367} \\ \underline{6364} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6367 \div 41 = 155 \text{ remainder } 12$$

$$\begin{array}{r} 155 \\ 41 \overline{) 6367} \\ \underline{6355} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6367 \div 43 = 148 \text{ remainder } 3$$

$$\begin{array}{r} 148 \\ 43 \overline{) 6367} \\ \underline{6364} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6367 \div 47 = 135 \text{ remainder } 22$$

$$\begin{array}{r} 135 \\ 47 \overline{) 6367} \\ \underline{6345} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6367 \div 53 = 120 \text{ remainder } 7$$

$$\begin{array}{r} 120 \\ 53 \overline{) 6367} \\ \underline{6360} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6367 \div 59 = 107 \text{ remainder } 54$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6367} \\ \underline{6313} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 61 = 104 \text{ remainder } 23$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6367} \\ \underline{6344} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 67 = 95 \text{ remainder } 2$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6367} \\ \underline{6365} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 71 = 89 \text{ remainder } 48$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6367} \\ \underline{6319} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 73 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6367} \\ \underline{6351} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6367 \div 79 = 80 \text{ remainder } 47$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6367} \end{array}$$

6320

----

47 ← remainder

## **P<sub>831</sub> 6373**

$$6373 \div 2 = 3186 \text{ remainder } 1$$

$$\begin{array}{r} 3186 \\ 2 \overline{) 6373} \\ \underline{6372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 3 = 2124 \text{ remainder } 1$$

$$\begin{array}{r} 2124 \\ 3 \overline{) 6373} \\ \underline{6372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 5 = 1274 \text{ remainder } 3$$

$$\begin{array}{r} 1274 \\ 5 \overline{) 6373} \\ \underline{6370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 7 = 910 \text{ remainder } 3$$

$$\begin{array}{r} 910 \\ 7 \overline{) 6373} \\ \underline{6370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 11 = 579 \text{ remainder } 4$$

$$\begin{array}{r} 579 \\ 11 \overline{) 6373} \\ \underline{6369} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 13 = 490 \text{ remainder } 3$$

$$\begin{array}{r} 490 \\ 13 \overline{) 6373} \\ \underline{6370} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 17 = 374 \text{ remainder } 15$$

$$\begin{array}{r} 374 \\ 17 \overline{) 6373} \\ \underline{6358} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 19 = 335 \text{ remainder } 8$$

$$\begin{array}{r} 335 \\ 19 \overline{) 6373} \\ \underline{6365} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 23 = 277 \text{ remainder } 2$$

$$\begin{array}{r} 277 \\ 23 \overline{) 6373} \\ \underline{6371} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 29 = 219 \text{ remainder } 22$$

$$\begin{array}{r} 219 \\ 29 \overline{) 6373} \\ \underline{6351} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 31 = 205 \text{ remainder } 18$$

$$\begin{array}{r} 205 \\ 31 \overline{) 6373} \end{array}$$

```

6355
----
18 ← remainder

```

$$6373 \div 37 = 172 \text{ remainder } 9$$

```

      172
37 | 6373
    6364
    ----
      9 ← remainder

```

$$6373 \div 41 = 155 \text{ remainder } 18$$

```

      155
41 | 6373
    6355
    ----
      18 ← remainder

```

$$6373 \div 43 = 148 \text{ remainder } 9$$

```

      148
43 | 6373
    6364
    ----
      9 ← remainder

```

$$6373 \div 47 = 135 \text{ remainder } 28$$

```

      135
47 | 6373
    6345
    ----
      28 ← remainder

```

$$6373 \div 53 = 120 \text{ remainder } 13$$

```

      120
53 | 6373
    6360
    ----
      13 ← remainder

```

$$6373 \div 59 = 108 \text{ remainder } 1$$

$$\begin{array}{r} 108 \\ 59 \overline{) 6373} \\ \underline{6372} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 61 = 104 \text{ remainder } 29$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6373} \\ \underline{6344} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 67 = 95 \text{ remainder } 8$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6373} \\ \underline{6365} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 71 = 89 \text{ remainder } 54$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6373} \\ \underline{6319} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 73 = 87 \text{ remainder } 22$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6373} \\ \underline{6351} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6373 \div 79 = 80 \text{ remainder } 53$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6373} \end{array}$$



6320

----

53 ← remainder

## **P<sub>832</sub> 6379**

$$6379 \div 2 = 3189 \text{ remainder } 1$$

$$\begin{array}{r} 3189 \\ 2 \overline{) 6379} \\ \underline{6378} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 3 = 2126 \text{ remainder } 1$$

$$\begin{array}{r} 2126 \\ 3 \overline{) 6379} \\ \underline{6378} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 5 = 1275 \text{ remainder } 4$$

$$\begin{array}{r} 1275 \\ 5 \overline{) 6379} \\ \underline{6375} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 7 = 911 \text{ remainder } 2$$

$$\begin{array}{r} 911 \\ 7 \overline{) 6379} \\ \underline{6377} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 11 = 579 \text{ remainder } 10$$

$$\begin{array}{r} 579 \\ 11 \overline{) 6379} \\ \underline{6369} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 13 = 490 \text{ remainder } 9$$

$$\begin{array}{r} 490 \\ 13 \overline{) 6379} \\ \underline{6370} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 17 = 375 \text{ remainder } 4$$

$$\begin{array}{r} 375 \\ 17 \overline{) 6379} \\ \underline{6375} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 19 = 335 \text{ remainder } 14$$

$$\begin{array}{r} 335 \\ 19 \overline{) 6379} \\ \underline{6365} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 23 = 277 \text{ remainder } 8$$

$$\begin{array}{r} 277 \\ 23 \overline{) 6379} \\ \underline{6371} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 29 = 219 \text{ remainder } 28$$

$$\begin{array}{r} 219 \\ 29 \overline{) 6379} \\ \underline{6351} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 31 = 205 \text{ remainder } 24$$

$$\begin{array}{r} 205 \\ 31 \overline{) 6379} \end{array}$$

$$\begin{array}{r} 6355 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6379 \div 37 = 172 \text{ remainder } 15$$

$$\begin{array}{r} 172 \\ 37 \overline{) 6379} \\ \underline{6364} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6379 \div 41 = 155 \text{ remainder } 24$$

$$\begin{array}{r} 155 \\ 41 \overline{) 6379} \\ \underline{6355} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6379 \div 43 = 148 \text{ remainder } 15$$

$$\begin{array}{r} 148 \\ 43 \overline{) 6379} \\ \underline{6364} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6379 \div 47 = 135 \text{ remainder } 34$$

$$\begin{array}{r} 135 \\ 47 \overline{) 6379} \\ \underline{6345} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6379 \div 53 = 120 \text{ remainder } 19$$

$$\begin{array}{r} 120 \\ 53 \overline{) 6379} \\ \underline{6360} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6379 \div 59 = 108 \text{ remainder } 7$$

$$\begin{array}{r} 108 \\ 59 \overline{) 6379} \\ \underline{6372} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 61 = 104 \text{ remainder } 35$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6379} \\ \underline{6344} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 67 = 95 \text{ remainder } 14$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6379} \\ \underline{6365} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 71 = 89 \text{ remainder } 60$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6379} \\ \underline{6319} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 73 = 87 \text{ remainder } 28$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6379} \\ \underline{6351} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6379 \div 79 = 80 \text{ remainder } 59$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6379} \end{array}$$

6320

----

59 ← remainder

## **P<sub>833</sub> 6389**

$$6389 \div 2 = 3194 \text{ remainder } 1$$

$$\begin{array}{r} 3194 \\ 2 \overline{) 6389} \\ \underline{6388} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 3 = 2129 \text{ remainder } 2$$

$$\begin{array}{r} 2129 \\ 3 \overline{) 6389} \\ \underline{6387} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 5 = 1277 \text{ remainder } 4$$

$$\begin{array}{r} 1277 \\ 5 \overline{) 6389} \\ \underline{6385} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 7 = 912 \text{ remainder } 5$$

$$\begin{array}{r} 912 \\ 7 \overline{) 6389} \\ \underline{6384} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 11 = 580 \text{ remainder } 9$$

$$\begin{array}{r} 580 \\ 11 \overline{) 6389} \\ \underline{6380} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 13 = 491 \text{ remainder } 6$$

$$\begin{array}{r} 491 \\ 13 \overline{) 6389} \\ \underline{6383} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6389 \div 17 = 375 \text{ remainder } 14$$

$$\begin{array}{r} 375 \\ 17 \overline{) 6389} \\ \underline{6375} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6389 \div 19 = 336 \text{ remainder } 5$$

$$\begin{array}{r} 336 \\ 19 \overline{) 6389} \\ \underline{6384} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6389 \div 23 = 277 \text{ remainder } 18$$

$$\begin{array}{r} 277 \\ 23 \overline{) 6389} \\ \underline{6371} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6389 \div 29 = 220 \text{ remainder } 9$$

$$\begin{array}{r} 220 \\ 29 \overline{) 6389} \\ \underline{6380} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6389 \div 31 = 206 \text{ remainder } 3$$

$$\begin{array}{r} 206 \\ 31 \overline{) 6389} \end{array}$$



6386

----

3 ← remainder

$$6389 \div 37 = 172 \text{ remainder } 25$$

$$\begin{array}{r} 172 \\ 37 \overline{) 6389} \\ \underline{6364} \end{array}$$

----

25 ← remainder

$$6389 \div 41 = 155 \text{ remainder } 34$$

$$\begin{array}{r} 155 \\ 41 \overline{) 6389} \\ \underline{6355} \end{array}$$

----

34 ← remainder

$$6389 \div 43 = 148 \text{ remainder } 25$$

$$\begin{array}{r} 148 \\ 43 \overline{) 6389} \\ \underline{6364} \end{array}$$

----

25 ← remainder

$$6389 \div 47 = 135 \text{ remainder } 44$$

$$\begin{array}{r} 135 \\ 47 \overline{) 6389} \\ \underline{6345} \end{array}$$

----

44 ← remainder

$$6389 \div 53 = 120 \text{ remainder } 29$$

$$\begin{array}{r} 120 \\ 53 \overline{) 6389} \\ \underline{6360} \end{array}$$

----

29 ← remainder

$$6389 \div 59 = 108 \text{ remainder } 17$$

$$\begin{array}{r} 108 \\ 59 \overline{) 6389} \\ \underline{6372} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 61 = 104 \text{ remainder } 45$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6389} \\ \underline{6344} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 67 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6389} \\ \underline{6365} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 71 = 89 \text{ remainder } 70$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6389} \\ \underline{6319} \\ 70 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 73 = 87 \text{ remainder } 38$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6389} \\ \underline{6351} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$6389 \div 79 = 80 \text{ remainder } 69$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6389} \end{array}$$

6320

----

69 ← remainder

## **P<sub>834</sub> 6397**

$$6397 \div 2 = 3198 \text{ remainder } 1$$

$$\begin{array}{r} 3198 \\ 2 \overline{) 6397} \\ \underline{6396} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 3 = 2132 \text{ remainder } 1$$

$$\begin{array}{r} 2132 \\ 3 \overline{) 6397} \\ \underline{6396} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 5 = 1279 \text{ remainder } 2$$

$$\begin{array}{r} 1279 \\ 5 \overline{) 6397} \\ \underline{6395} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 7 = 913 \text{ remainder } 6$$

$$\begin{array}{r} 913 \\ 7 \overline{) 6397} \\ \underline{6391} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 11 = 581 \text{ remainder } 6$$

$$\begin{array}{r} 581 \\ 11 \overline{) 6397} \\ \underline{6391} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 13 = 492 \text{ remainder } 1$$

$$\begin{array}{r} 492 \\ 13 \overline{) 6397} \\ \underline{6396} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 17 = 376 \text{ remainder } 5$$

$$\begin{array}{r} 376 \\ 17 \overline{) 6397} \\ \underline{6392} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 19 = 336 \text{ remainder } 13$$

$$\begin{array}{r} 336 \\ 19 \overline{) 6397} \\ \underline{6384} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 23 = 278 \text{ remainder } 3$$

$$\begin{array}{r} 278 \\ 23 \overline{) 6397} \\ \underline{6394} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 29 = 220 \text{ remainder } 17$$

$$\begin{array}{r} 220 \\ 29 \overline{) 6397} \\ \underline{6380} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 31 = 206 \text{ remainder } 11$$

$$\begin{array}{r} 206 \\ 31 \overline{) 6397} \end{array}$$

6386

----

11 ← remainder

$6397 \div 37 = 172 \text{ remainder } 33$

37 |  $\overline{172}$   
6397  
6364

----

33 ← remainder

$6397 \div 41 = 156 \text{ remainder } 1$

41 |  $\overline{156}$   
6397  
6396

----

1 ← remainder

$6397 \div 43 = 148 \text{ remainder } 33$

43 |  $\overline{148}$   
6397  
6364

----

33 ← remainder

$6397 \div 47 = 136 \text{ remainder } 5$

47 |  $\overline{136}$   
6397  
6392

----

5 ← remainder

$6397 \div 53 = 120 \text{ remainder } 37$

53 |  $\overline{120}$   
6397  
6360

----

37 ← remainder

$$6397 \div 59 = 108 \text{ remainder } 25$$

$$\begin{array}{r} 108 \\ 59 \overline{) 6397} \\ \underline{6372} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 61 = 104 \text{ remainder } 53$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6397} \\ \underline{6344} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 67 = 95 \text{ remainder } 32$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6397} \\ \underline{6365} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 71 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 71 \overline{) 6397} \\ \underline{6390} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 73 = 87 \text{ remainder } 46$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6397} \\ \underline{6351} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6397 \div 79 = 80 \text{ remainder } 77$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6397} \end{array}$$

6320

----

77 ← remainder



## **P<sub>835</sub> 6421**

$$6421 \div 2 = 3210 \text{ remainder } 1$$

$$\begin{array}{r} 3210 \\ 2 \overline{) 6421} \\ \underline{6420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 3 = 2140 \text{ remainder } 1$$

$$\begin{array}{r} 2140 \\ 3 \overline{) 6421} \\ \underline{6420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 5 = 1284 \text{ remainder } 1$$

$$\begin{array}{r} 1284 \\ 5 \overline{) 6421} \\ \underline{6420} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 7 = 917 \text{ remainder } 2$$

$$\begin{array}{r} 917 \\ 7 \overline{) 6421} \\ \underline{6419} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 11 = 583 \text{ remainder } 8$$

$$\begin{array}{r} 583 \\ 11 \overline{) 6421} \\ \underline{6413} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 13 = 493 \text{ remainder } 12$$

$$\begin{array}{r} 493 \\ 13 \overline{) 6421} \\ \underline{6409} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 17 = 377 \text{ remainder } 12$$

$$\begin{array}{r} 377 \\ 17 \overline{) 6421} \\ \underline{6409} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 19 = 337 \text{ remainder } 18$$

$$\begin{array}{r} 337 \\ 19 \overline{) 6421} \\ \underline{6403} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 23 = 279 \text{ remainder } 4$$

$$\begin{array}{r} 279 \\ 23 \overline{) 6421} \\ \underline{6417} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 29 = 221 \text{ remainder } 12$$

$$\begin{array}{r} 221 \\ 29 \overline{) 6421} \\ \underline{6409} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 31 = 207 \text{ remainder } 4$$

$$\begin{array}{r} 207 \\ 31 \overline{) 6421} \end{array}$$

$$\begin{array}{r} 6417 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6421 \div 37 = 173 \text{ remainder } 20$$

$$\begin{array}{r} 173 \\ 37 \overline{) 6421} \\ \underline{6401} \phantom{00} \\ 20 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6421 \div 41 = 156 \text{ remainder } 25$$

$$\begin{array}{r} 156 \\ 41 \overline{) 6421} \\ \underline{6396} \phantom{00} \\ 25 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6421 \div 43 = 149 \text{ remainder } 14$$

$$\begin{array}{r} 149 \\ 43 \overline{) 6421} \\ \underline{6407} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6421 \div 47 = 136 \text{ remainder } 29$$

$$\begin{array}{r} 136 \\ 47 \overline{) 6421} \\ \underline{6392} \phantom{00} \\ 29 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6421 \div 53 = 121 \text{ remainder } 8$$

$$\begin{array}{r} 121 \\ 53 \overline{) 6421} \\ \underline{6413} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6421 \div 59 = 108 \text{ remainder } 49$$

$$\begin{array}{r} 108 \\ 59 \overline{) 6421} \\ \underline{6372} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 61 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 61 \overline{) 6421} \\ \underline{6405} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 67 = 95 \text{ remainder } 56$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6421} \\ \underline{6365} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 71 = 90 \text{ remainder } 31$$

$$\begin{array}{r} 90 \\ 71 \overline{) 6421} \\ \underline{6390} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 73 = 87 \text{ remainder } 70$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6421} \\ \underline{6351} \\ 70 \end{array} \leftarrow \text{remainder}$$

$$6421 \div 79 = 81 \text{ remainder } 22$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6421} \end{array}$$

6399

-----

22 ← remainder

## **P<sub>836</sub> 6427**

$$6427 \div 2 = 3213 \text{ remainder } 1$$

$$\begin{array}{r} 3213 \\ 2 \overline{) 6427} \\ \underline{6426} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 3 = 2142 \text{ remainder } 1$$

$$\begin{array}{r} 2142 \\ 3 \overline{) 6427} \\ \underline{6426} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 5 = 1285 \text{ remainder } 2$$

$$\begin{array}{r} 1285 \\ 5 \overline{) 6427} \\ \underline{6425} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 7 = 918 \text{ remainder } 1$$

$$\begin{array}{r} 918 \\ 7 \overline{) 6427} \\ \underline{6426} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 11 = 584 \text{ remainder } 3$$

$$\begin{array}{r} 584 \\ 11 \overline{) 6427} \\ \underline{6424} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 13 = 494 \text{ remainder } 5$$

$$\begin{array}{r} 494 \\ 13 \overline{) 6427} \\ \underline{6422} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 17 = 378 \text{ remainder } 1$$

$$\begin{array}{r} 378 \\ 17 \overline{) 6427} \\ \underline{6426} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 19 = 338 \text{ remainder } 5$$

$$\begin{array}{r} 338 \\ 19 \overline{) 6427} \\ \underline{6422} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 23 = 279 \text{ remainder } 10$$

$$\begin{array}{r} 279 \\ 23 \overline{) 6427} \\ \underline{6417} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 29 = 221 \text{ remainder } 18$$

$$\begin{array}{r} 221 \\ 29 \overline{) 6427} \\ \underline{6409} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 31 = 207 \text{ remainder } 10$$

$$\begin{array}{r} 207 \\ 31 \overline{) 6427} \end{array}$$

$$\begin{array}{r} 6417 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 37 = 173 \text{ remainder } 26$$

$$\begin{array}{r} 173 \\ 37 \overline{) 6427} \\ \underline{6401} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 41 = 156 \text{ remainder } 31$$

$$\begin{array}{r} 156 \\ 41 \overline{) 6427} \\ \underline{6396} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 43 = 149 \text{ remainder } 20$$

$$\begin{array}{r} 149 \\ 43 \overline{) 6427} \\ \underline{6407} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 47 = 136 \text{ remainder } 35$$

$$\begin{array}{r} 136 \\ 47 \overline{) 6427} \\ \underline{6392} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 53 = 121 \text{ remainder } 14$$

$$\begin{array}{r} 121 \\ 53 \overline{) 6427} \\ \underline{6413} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$



$$6427 \div 59 = 108 \text{ remainder } 55$$

$$\begin{array}{r} 108 \\ 59 \overline{) 6427} \\ \underline{6372} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 61 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 61 \overline{) 6427} \\ \underline{6405} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 67 = 95 \text{ remainder } 62$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6427} \\ \underline{6365} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 71 = 90 \text{ remainder } 37$$

$$\begin{array}{r} 90 \\ 71 \overline{) 6427} \\ \underline{6390} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 73 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6427} \\ \underline{6424} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6427 \div 79 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6427} \end{array}$$

6399

-----

28 ← remainder

## **P<sub>837</sub> 6449**

$$6449 \div 2 = 3224 \text{ remainder } 1$$

$$\begin{array}{r} 3224 \\ 2 \overline{) 6449} \\ \underline{6448} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 3 = 2149 \text{ remainder } 2$$

$$\begin{array}{r} 2149 \\ 3 \overline{) 6449} \\ \underline{6447} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 5 = 1289 \text{ remainder } 4$$

$$\begin{array}{r} 1289 \\ 5 \overline{) 6449} \\ \underline{6445} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 7 = 921 \text{ remainder } 2$$

$$\begin{array}{r} 921 \\ 7 \overline{) 6449} \\ \underline{6447} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 11 = 586 \text{ remainder } 3$$

$$\begin{array}{r} 586 \\ 11 \overline{) 6449} \\ \underline{6446} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 13 = 496 \text{ remainder } 1$$

$$\begin{array}{r} 496 \\ 13 \overline{) 6449} \\ \underline{6448} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 17 = 379 \text{ remainder } 6$$

$$\begin{array}{r} 379 \\ 17 \overline{) 6449} \\ \underline{6443} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 19 = 339 \text{ remainder } 8$$

$$\begin{array}{r} 339 \\ 19 \overline{) 6449} \\ \underline{6441} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 23 = 280 \text{ remainder } 9$$

$$\begin{array}{r} 280 \\ 23 \overline{) 6449} \\ \underline{6440} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 29 = 222 \text{ remainder } 11$$

$$\begin{array}{r} 222 \\ 29 \overline{) 6449} \\ \underline{6438} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 31 = 208 \text{ remainder } 1$$

$$\begin{array}{r} 208 \\ 31 \overline{) 6449} \end{array}$$

6448

----

1 ← remainder

$$6449 \div 37 = 174 \text{ remainder } 11$$

$$\begin{array}{r} 174 \\ 37 \overline{) 6449} \\ \underline{6438} \end{array}$$

----

11 ← remainder

$$6449 \div 41 = 157 \text{ remainder } 12$$

$$\begin{array}{r} 157 \\ 41 \overline{) 6449} \\ \underline{6437} \end{array}$$

----

12 ← remainder

$$6449 \div 43 = 149 \text{ remainder } 42$$

$$\begin{array}{r} 149 \\ 43 \overline{) 6449} \\ \underline{6407} \end{array}$$

----

42 ← remainder

$$6449 \div 47 = 137 \text{ remainder } 10$$

$$\begin{array}{r} 137 \\ 47 \overline{) 6449} \\ \underline{6439} \end{array}$$

----

10 ← remainder

$$6449 \div 53 = 121 \text{ remainder } 36$$

$$\begin{array}{r} 121 \\ 53 \overline{) 6449} \\ \underline{6413} \end{array}$$

----

36 ← remainder

$$6449 \div 59 = 109 \text{ remainder } 18$$

$$\begin{array}{r} 109 \\ 59 \overline{) 6449} \\ \underline{6431} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 61 = 105 \text{ remainder } 44$$

$$\begin{array}{r} 105 \\ 61 \overline{) 6449} \\ \underline{6405} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 67 = 96 \text{ remainder } 17$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6449} \\ \underline{6432} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 71 = 90 \text{ remainder } 59$$

$$\begin{array}{r} 90 \\ 71 \overline{) 6449} \\ \underline{6390} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 73 = 88 \text{ remainder } 25$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6449} \\ \underline{6424} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6449 \div 79 = 81 \text{ remainder } 50$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6449} \end{array}$$

6399

----

50 ← remainder

## **P<sub>838</sub> 6451**

$$6451 \div 2 = 3225 \text{ remainder } 1$$

$$\begin{array}{r} 3225 \\ 2 \overline{) 6451} \\ \underline{6450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 3 = 2150 \text{ remainder } 1$$

$$\begin{array}{r} 2150 \\ 3 \overline{) 6451} \\ \underline{6450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 5 = 1290 \text{ remainder } 1$$

$$\begin{array}{r} 1290 \\ 5 \overline{) 6451} \\ \underline{6450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 7 = 921 \text{ remainder } 4$$

$$\begin{array}{r} 921 \\ 7 \overline{) 6451} \\ \underline{6447} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 11 = 586 \text{ remainder } 5$$

$$\begin{array}{r} 586 \\ 11 \overline{) 6451} \\ \underline{6446} \\ 5 \end{array} \leftarrow \text{remainder}$$



$$6451 \div 13 = 496 \text{ remainder } 3$$

$$\begin{array}{r} 496 \\ 13 \overline{) 6451} \\ \underline{6448} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 17 = 379 \text{ remainder } 8$$

$$\begin{array}{r} 379 \\ 17 \overline{) 6451} \\ \underline{6443} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 19 = 339 \text{ remainder } 10$$

$$\begin{array}{r} 339 \\ 19 \overline{) 6451} \\ \underline{6441} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 23 = 280 \text{ remainder } 11$$

$$\begin{array}{r} 280 \\ 23 \overline{) 6451} \\ \underline{6440} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 29 = 222 \text{ remainder } 13$$

$$\begin{array}{r} 222 \\ 29 \overline{) 6451} \\ \underline{6438} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 31 = 208 \text{ remainder } 3$$

$$\begin{array}{r} 208 \\ 31 \overline{) 6451} \end{array}$$

$$\begin{array}{r} 6448 \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 37 = 174 \text{ remainder } 13$$

$$\begin{array}{r} 174 \\ 37 \overline{) 6451} \\ \underline{6438} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 41 = 157 \text{ remainder } 14$$

$$\begin{array}{r} 157 \\ 41 \overline{) 6451} \\ \underline{6437} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 43 = 150 \text{ remainder } 1$$

$$\begin{array}{r} 150 \\ 43 \overline{) 6451} \\ \underline{6450} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 47 = 137 \text{ remainder } 12$$

$$\begin{array}{r} 137 \\ 47 \overline{) 6451} \\ \underline{6439} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 53 = 121 \text{ remainder } 38$$

$$\begin{array}{r} 121 \\ 53 \overline{) 6451} \\ \underline{6413} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 59 = 109 \text{ remainder } 20$$

$$\begin{array}{r} 109 \\ 59 \overline{) 6451} \\ \underline{6431} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 61 = 105 \text{ remainder } 46$$

$$\begin{array}{r} 105 \\ 61 \overline{) 6451} \\ \underline{6405} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 67 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6451} \\ \underline{6432} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 71 = 90 \text{ remainder } 61$$

$$\begin{array}{r} 90 \\ 71 \overline{) 6451} \\ \underline{6390} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 73 = 88 \text{ remainder } 27$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6451} \\ \underline{6424} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$6451 \div 79 = 81 \text{ remainder } 52$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6451} \end{array}$$

6399

-----

52 ← remainder

## **P<sub>839</sub> 6469**

$$6469 \div 2 = 3234 \text{ remainder } 1$$

$$\begin{array}{r} 3234 \\ 2 \overline{) 6469} \\ \underline{6468} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 3 = 2156 \text{ remainder } 1$$

$$\begin{array}{r} 2156 \\ 3 \overline{) 6469} \\ \underline{6468} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 5 = 1293 \text{ remainder } 4$$

$$\begin{array}{r} 1293 \\ 5 \overline{) 6469} \\ \underline{6465} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 7 = 924 \text{ remainder } 1$$

$$\begin{array}{r} 924 \\ 7 \overline{) 6469} \\ \underline{6468} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 11 = 588 \text{ remainder } 1$$

$$\begin{array}{r} 588 \\ 11 \overline{) 6469} \\ \underline{6468} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 13 = 497 \text{ remainder } 8$$

$$\begin{array}{r} 497 \\ 13 \overline{) 6469} \\ \underline{6461} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6469 \div 17 = 380 \text{ remainder } 9$$

$$\begin{array}{r} 380 \\ 17 \overline{) 6469} \\ \underline{6460} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6469 \div 19 = 340 \text{ remainder } 9$$

$$\begin{array}{r} 340 \\ 19 \overline{) 6469} \\ \underline{6460} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6469 \div 23 = 281 \text{ remainder } 6$$

$$\begin{array}{r} 281 \\ 23 \overline{) 6469} \\ \underline{6463} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6469 \div 29 = 223 \text{ remainder } 2$$

$$\begin{array}{r} 223 \\ 29 \overline{) 6469} \\ \underline{6467} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6469 \div 31 = 208 \text{ remainder } 21$$

$$\begin{array}{r} 208 \\ 31 \overline{) 6469} \end{array}$$

6448  
 ----  
 21 ← remainder

$$6469 \div 37 = 174 \text{ remainder } 31$$

37 |  $\overline{174}$   
 6469  
 6438  
 ----  
 31 ← remainder

$$6469 \div 41 = 157 \text{ remainder } 32$$

41 |  $\overline{157}$   
 6469  
 6437  
 ----  
 32 ← remainder

$$6469 \div 43 = 150 \text{ remainder } 19$$

43 |  $\overline{150}$   
 6469  
 6450  
 ----  
 19 ← remainder

$$6469 \div 47 = 137 \text{ remainder } 30$$

47 |  $\overline{137}$   
 6469  
 6439  
 ----  
 30 ← remainder

$$6469 \div 53 = 122 \text{ remainder } 3$$

53 |  $\overline{122}$   
 6469  
 6466  
 ----  
 3 ← remainder

$$6469 \div 59 = 109 \text{ remainder } 38$$

$$\begin{array}{r} 109 \\ 59 \overline{) 6469} \\ \underline{6431} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 61 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 61 \overline{) 6469} \\ \underline{6466} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 67 = 96 \text{ remainder } 37$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6469} \\ \underline{6432} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 71 = 91 \text{ remainder } 8$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6469} \\ \underline{6461} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 73 = 88 \text{ remainder } 45$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6469} \\ \underline{6424} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6469 \div 79 = 81 \text{ remainder } 70$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6469} \end{array}$$



6399

-----

70 ← remainder

## **P<sub>840</sub> 6473**

$$6473 \div 2 = 3236 \text{ remainder } 1$$

$$\begin{array}{r} \phantom{2} \overline{) 6473} \phantom{00} \\ \underline{6472} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6473 \div 3 = 2157 \text{ remainder } 2$$

$$\begin{array}{r} \phantom{3} \overline{) 6473} \phantom{00} \\ \underline{6471} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6473 \div 5 = 1294 \text{ remainder } 3$$

$$\begin{array}{r} \phantom{5} \overline{) 6473} \phantom{00} \\ \underline{6470} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6473 \div 7 = 924 \text{ remainder } 5$$

$$\begin{array}{r} \phantom{7} \overline{) 6473} \phantom{00} \\ \underline{6468} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6473 \div 11 = 588 \text{ remainder } 5$$

$$\begin{array}{r} \phantom{11} \overline{) 6473} \phantom{00} \\ \underline{6468} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6473 \div 13 = 497 \text{ remainder } 12$$

$$\begin{array}{r} 497 \\ 13 \overline{) 6473} \\ \underline{6461} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 17 = 380 \text{ remainder } 13$$

$$\begin{array}{r} 380 \\ 17 \overline{) 6473} \\ \underline{6460} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 19 = 340 \text{ remainder } 13$$

$$\begin{array}{r} 340 \\ 19 \overline{) 6473} \\ \underline{6460} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 23 = 281 \text{ remainder } 10$$

$$\begin{array}{r} 281 \\ 23 \overline{) 6473} \\ \underline{6463} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 29 = 223 \text{ remainder } 6$$

$$\begin{array}{r} 223 \\ 29 \overline{) 6473} \\ \underline{6467} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 31 = 208 \text{ remainder } 25$$

$$\begin{array}{r} 208 \\ 31 \overline{) 6473} \end{array}$$

6448  
 ----  
 25 ← remainder

$$6473 \div 37 = 174 \text{ remainder } 35$$

37 |  $\overline{174}$   
 6473  
 6438  
 ----  
 35 ← remainder

$$6473 \div 41 = 157 \text{ remainder } 36$$

41 |  $\overline{157}$   
 6473  
 6437  
 ----  
 36 ← remainder

$$6473 \div 43 = 150 \text{ remainder } 23$$

43 |  $\overline{150}$   
 6473  
 6450  
 ----  
 23 ← remainder

$$6473 \div 47 = 137 \text{ remainder } 34$$

47 |  $\overline{137}$   
 6473  
 6439  
 ----  
 34 ← remainder

$$6473 \div 53 = 122 \text{ remainder } 7$$

53 |  $\overline{122}$   
 6473  
 6466  
 ----  
 7 ← remainder

$$6473 \div 59 = 109 \text{ remainder } 42$$

$$\begin{array}{r} 109 \\ 59 \overline{) 6473} \\ \underline{6431} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 61 = 106 \text{ remainder } 7$$

$$\begin{array}{r} 106 \\ 61 \overline{) 6473} \\ \underline{6466} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 67 = 96 \text{ remainder } 41$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6473} \\ \underline{6432} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 71 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6473} \\ \underline{6461} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 73 = 88 \text{ remainder } 49$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6473} \\ \underline{6424} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6473 \div 79 = 81 \text{ remainder } 74$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6473} \end{array}$$

6399

-----

74 ← remainder

## **P<sub>841</sub> 6481**

$$6481 \div 2 = 3240 \text{ remainder } 1$$

$$\begin{array}{r} 3240 \\ 2 \overline{) 6481} \\ \underline{6480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 3 = 2160 \text{ remainder } 1$$

$$\begin{array}{r} 2160 \\ 3 \overline{) 6481} \\ \underline{6480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 5 = 1296 \text{ remainder } 1$$

$$\begin{array}{r} 1296 \\ 5 \overline{) 6481} \\ \underline{6480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 7 = 925 \text{ remainder } 6$$

$$\begin{array}{r} 925 \\ 7 \overline{) 6481} \\ \underline{6475} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 11 = 589 \text{ remainder } 2$$

$$\begin{array}{r} 589 \\ 11 \overline{) 6481} \\ \underline{6479} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 13 = 498 \text{ remainder } 7$$

$$\begin{array}{r} 498 \\ 13 \overline{) 6481} \\ \underline{6474} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 17 = 381 \text{ remainder } 4$$

$$\begin{array}{r} 381 \\ 17 \overline{) 6481} \\ \underline{6477} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 19 = 341 \text{ remainder } 2$$

$$\begin{array}{r} 341 \\ 19 \overline{) 6481} \\ \underline{6479} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 23 = 281 \text{ remainder } 18$$

$$\begin{array}{r} 281 \\ 23 \overline{) 6481} \\ \underline{6463} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 29 = 223 \text{ remainder } 14$$

$$\begin{array}{r} 223 \\ 29 \overline{) 6481} \\ \underline{6467} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 31 = 209 \text{ remainder } 2$$

$$\begin{array}{r} 209 \\ 31 \overline{) 6481} \end{array}$$



$$\begin{array}{r} 6479 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 37 = 175 \text{ remainder } 6$$

$$\begin{array}{r} 175 \\ 37 \overline{) 6481} \\ \underline{6475} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 41 = 158 \text{ remainder } 3$$

$$\begin{array}{r} 158 \\ 41 \overline{) 6481} \\ \underline{6478} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 43 = 150 \text{ remainder } 31$$

$$\begin{array}{r} 150 \\ 43 \overline{) 6481} \\ \underline{6450} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 47 = 137 \text{ remainder } 42$$

$$\begin{array}{r} 137 \\ 47 \overline{) 6481} \\ \underline{6439} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 53 = 122 \text{ remainder } 15$$

$$\begin{array}{r} 122 \\ 53 \overline{) 6481} \\ \underline{6466} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 59 = 109 \text{ remainder } 50$$

$$\begin{array}{r} 109 \\ 59 \overline{) 6481} \\ \underline{6431} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 61 = 106 \text{ remainder } 15$$

$$\begin{array}{r} 106 \\ 61 \overline{) 6481} \\ \underline{6466} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 67 = 96 \text{ remainder } 49$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6481} \\ \underline{6432} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 71 = 91 \text{ remainder } 20$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6481} \\ \underline{6461} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 73 = 88 \text{ remainder } 57$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6481} \\ \underline{6424} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$6481 \div 79 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6481} \end{array}$$

6478

----

3 ← remainder

## **P<sub>842</sub> 6491**

$$6491 \div 2 = 3245 \text{ remainder } 1$$

$$\begin{array}{r} 3245 \\ 2 \overline{) 6491} \\ \underline{6490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 3 = 2163 \text{ remainder } 2$$

$$\begin{array}{r} 2163 \\ 3 \overline{) 6491} \\ \underline{6489} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 5 = 1298 \text{ remainder } 1$$

$$\begin{array}{r} 1298 \\ 5 \overline{) 6491} \\ \underline{6490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 7 = 927 \text{ remainder } 2$$

$$\begin{array}{r} 927 \\ 7 \overline{) 6491} \\ \underline{6489} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 11 = 590 \text{ remainder } 1$$

$$\begin{array}{r} 590 \\ 11 \overline{) 6491} \\ \underline{6490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 13 = 499 \text{ remainder } 4$$

$$\begin{array}{r} 499 \\ 13 \overline{) 6491} \\ \underline{6487} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 17 = 381 \text{ remainder } 14$$

$$\begin{array}{r} 381 \\ 17 \overline{) 6491} \\ \underline{6477} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 19 = 341 \text{ remainder } 12$$

$$\begin{array}{r} 341 \\ 19 \overline{) 6491} \\ \underline{6479} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 23 = 282 \text{ remainder } 5$$

$$\begin{array}{r} 282 \\ 23 \overline{) 6491} \\ \underline{6486} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 29 = 223 \text{ remainder } 24$$

$$\begin{array}{r} 223 \\ 29 \overline{) 6491} \\ \underline{6467} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 31 = 209 \text{ remainder } 12$$

$$\begin{array}{r} 209 \\ 31 \overline{) 6491} \end{array}$$

6479  
 ----  
 12 ← remainder

$$6491 \div 37 = 175 \text{ remainder } 16$$

37 |  $\overline{6491}$   
 175  
 6475  
 ----  
 16 ← remainder

$$6491 \div 41 = 158 \text{ remainder } 13$$

41 |  $\overline{6491}$   
 158  
 6478  
 ----  
 13 ← remainder

$$6491 \div 43 = 150 \text{ remainder } 41$$

43 |  $\overline{6491}$   
 150  
 6450  
 ----  
 41 ← remainder

$$6491 \div 47 = 138 \text{ remainder } 5$$

47 |  $\overline{6491}$   
 138  
 6486  
 ----  
 5 ← remainder

$$6491 \div 53 = 122 \text{ remainder } 25$$

53 |  $\overline{6491}$   
 122  
 6466  
 ----  
 25 ← remainder

$$6491 \div 59 = 110 \text{ remainder } 1$$

$$\begin{array}{r} 110 \\ 59 \overline{) 6491} \\ \underline{6490} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 61 = 106 \text{ remainder } 25$$

$$\begin{array}{r} 106 \\ 61 \overline{) 6491} \\ \underline{6466} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 67 = 96 \text{ remainder } 59$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6491} \\ \underline{6432} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 71 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6491} \\ \underline{6461} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 73 = 88 \text{ remainder } 67$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6491} \\ \underline{6424} \\ 67 \end{array} \leftarrow \text{remainder}$$

$$6491 \div 79 = 82 \text{ remainder } 13$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6491} \end{array}$$

6478

----

13 ← remainder



## **P<sub>843</sub> 6521**

$$6521 \div 2 = 3260 \text{ remainder } 1$$

$$\begin{array}{r} 3260 \\ 2 \overline{) 6521} \\ \underline{6520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 3 = 2173 \text{ remainder } 2$$

$$\begin{array}{r} 2173 \\ 3 \overline{) 6521} \\ \underline{6519} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 5 = 1304 \text{ remainder } 1$$

$$\begin{array}{r} 1304 \\ 5 \overline{) 6521} \\ \underline{6520} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 7 = 931 \text{ remainder } 4$$

$$\begin{array}{r} 931 \\ 7 \overline{) 6521} \\ \underline{6517} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 11 = 592 \text{ remainder } 9$$

$$\begin{array}{r} 592 \\ 11 \overline{) 6521} \\ \underline{6512} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 13 = 501 \text{ remainder } 8$$

$$\begin{array}{r} 501 \\ 13 \overline{) 6521} \\ \underline{6513} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 17 = 383 \text{ remainder } 10$$

$$\begin{array}{r} 383 \\ 17 \overline{) 6521} \\ \underline{6511} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 19 = 343 \text{ remainder } 4$$

$$\begin{array}{r} 343 \\ 19 \overline{) 6521} \\ \underline{6517} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 23 = 283 \text{ remainder } 12$$

$$\begin{array}{r} 283 \\ 23 \overline{) 6521} \\ \underline{6509} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 29 = 224 \text{ remainder } 25$$

$$\begin{array}{r} 224 \\ 29 \overline{) 6521} \\ \underline{6496} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 31 = 210 \text{ remainder } 11$$

$$\begin{array}{r} 210 \\ 31 \overline{) 6521} \end{array}$$

```

6510
----
11 ← remainder

```

$$6521 \div 37 = 176 \text{ remainder } 9$$

```

      176
37 | 6521
    6512
    ----
      9 ← remainder

```

$$6521 \div 41 = 159 \text{ remainder } 2$$

```

      159
41 | 6521
    6519
    ----
      2 ← remainder

```

$$6521 \div 43 = 151 \text{ remainder } 28$$

```

      151
43 | 6521
    6493
    ----
     28 ← remainder

```

$$6521 \div 47 = 138 \text{ remainder } 35$$

```

      138
47 | 6521
    6486
    ----
     35 ← remainder

```

$$6521 \div 53 = 123 \text{ remainder } 2$$

```

      123
53 | 6521
    6519
    ----
      2 ← remainder

```

$$6521 \div 59 = 110 \text{ remainder } 31$$

$$\begin{array}{r} 110 \\ 59 \overline{) 6521} \\ \underline{6490} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 61 = 106 \text{ remainder } 55$$

$$\begin{array}{r} 106 \\ 61 \overline{) 6521} \\ \underline{6466} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 67 = 97 \text{ remainder } 22$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6521} \\ \underline{6499} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 71 = 91 \text{ remainder } 60$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6521} \\ \underline{6461} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 73 = 89 \text{ remainder } 24$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6521} \\ \underline{6497} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6521 \div 79 = 82 \text{ remainder } 43$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6521} \end{array}$$

6478

-----

43 ← remainder

## **P<sub>844</sub> 6529**

$$6529 \div 2 = 3264 \text{ remainder } 1$$

$$\begin{array}{r} 3264 \\ 2 \overline{) 6529} \\ \underline{6528} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 3 = 2176 \text{ remainder } 1$$

$$\begin{array}{r} 2176 \\ 3 \overline{) 6529} \\ \underline{6528} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 5 = 1305 \text{ remainder } 4$$

$$\begin{array}{r} 1305 \\ 5 \overline{) 6529} \\ \underline{6525} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 7 = 932 \text{ remainder } 5$$

$$\begin{array}{r} 932 \\ 7 \overline{) 6529} \\ \underline{6524} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 11 = 593 \text{ remainder } 6$$

$$\begin{array}{r} 593 \\ 11 \overline{) 6529} \\ \underline{6523} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 13 = 502 \text{ remainder } 3$$

$$\begin{array}{r} 502 \\ 13 \overline{) 6529} \\ \underline{6526} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 17 = 384 \text{ remainder } 1$$

$$\begin{array}{r} 384 \\ 17 \overline{) 6529} \\ \underline{6528} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 19 = 343 \text{ remainder } 12$$

$$\begin{array}{r} 343 \\ 19 \overline{) 6529} \\ \underline{6517} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 23 = 283 \text{ remainder } 20$$

$$\begin{array}{r} 283 \\ 23 \overline{) 6529} \\ \underline{6509} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 29 = 225 \text{ remainder } 4$$

$$\begin{array}{r} 225 \\ 29 \overline{) 6529} \\ \underline{6525} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 31 = 210 \text{ remainder } 19$$

$$\begin{array}{r} 210 \\ 31 \overline{) 6529} \end{array}$$

6510

----

19 ← remainder

$$6529 \div 37 = 176 \text{ remainder } 17$$

$$\begin{array}{r} 176 \\ 37 \overline{) 6529} \\ \underline{6512} \end{array}$$

----

17 ← remainder

$$6529 \div 41 = 159 \text{ remainder } 10$$

$$\begin{array}{r} 159 \\ 41 \overline{) 6529} \\ \underline{6519} \end{array}$$

----

10 ← remainder

$$6529 \div 43 = 151 \text{ remainder } 36$$

$$\begin{array}{r} 151 \\ 43 \overline{) 6529} \\ \underline{6493} \end{array}$$

----

36 ← remainder

$$6529 \div 47 = 138 \text{ remainder } 43$$

$$\begin{array}{r} 138 \\ 47 \overline{) 6529} \\ \underline{6486} \end{array}$$

----

43 ← remainder

$$6529 \div 53 = 123 \text{ remainder } 10$$

$$\begin{array}{r} 123 \\ 53 \overline{) 6529} \\ \underline{6519} \end{array}$$

----

10 ← remainder



$$6529 \div 59 = 110 \text{ remainder } 39$$

$$\begin{array}{r} 110 \\ 59 \overline{) 6529} \\ \underline{6490} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 61 = 107 \text{ remainder } 2$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6529} \\ \underline{6527} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 67 = 97 \text{ remainder } 30$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6529} \\ \underline{6499} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 71 = 91 \text{ remainder } 68$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6529} \\ \underline{6461} \\ 68 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 73 = 89 \text{ remainder } 32$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6529} \\ \underline{6497} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$6529 \div 79 = 82 \text{ remainder } 51$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6529} \end{array}$$

6478

----

51 ← remainder

## **P<sub>845</sub> 6547**

$$6547 \div 2 = 3273 \text{ remainder } 1$$

$$\begin{array}{r} 3273 \\ 2 \overline{) 6547} \\ \underline{6546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 3 = 2182 \text{ remainder } 1$$

$$\begin{array}{r} 2182 \\ 3 \overline{) 6547} \\ \underline{6546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 5 = 1309 \text{ remainder } 2$$

$$\begin{array}{r} 1309 \\ 5 \overline{) 6547} \\ \underline{6545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 7 = 935 \text{ remainder } 2$$

$$\begin{array}{r} 935 \\ 7 \overline{) 6547} \\ \underline{6545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 11 = 595 \text{ remainder } 2$$

$$\begin{array}{r} 595 \\ 11 \overline{) 6547} \\ \underline{6545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 13 = 503 \text{ remainder } 8$$

$$\begin{array}{r} 503 \\ 13 \overline{) 6547} \\ \underline{6539} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 17 = 385 \text{ remainder } 2$$

$$\begin{array}{r} 385 \\ 17 \overline{) 6547} \\ \underline{6545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 19 = 344 \text{ remainder } 11$$

$$\begin{array}{r} 344 \\ 19 \overline{) 6547} \\ \underline{6536} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 23 = 284 \text{ remainder } 15$$

$$\begin{array}{r} 284 \\ 23 \overline{) 6547} \\ \underline{6532} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 29 = 225 \text{ remainder } 22$$

$$\begin{array}{r} 225 \\ 29 \overline{) 6547} \\ \underline{6525} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 31 = 211 \text{ remainder } 6$$

$$\begin{array}{r} 211 \\ 31 \overline{) 6547} \end{array}$$

$$\begin{array}{r} 6541 \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 37 = 176 \text{ remainder } 35$$

$$\begin{array}{r} 176 \\ 37 \overline{) 6547} \\ \underline{6512} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 41 = 159 \text{ remainder } 28$$

$$\begin{array}{r} 159 \\ 41 \overline{) 6547} \\ \underline{6519} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 43 = 152 \text{ remainder } 11$$

$$\begin{array}{r} 152 \\ 43 \overline{) 6547} \\ \underline{6536} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 47 = 139 \text{ remainder } 14$$

$$\begin{array}{r} 139 \\ 47 \overline{) 6547} \\ \underline{6533} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 53 = 123 \text{ remainder } 28$$

$$\begin{array}{r} 123 \\ 53 \overline{) 6547} \\ \underline{6519} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 59 = 110 \text{ remainder } 57$$

$$\begin{array}{r} 110 \\ 59 \overline{) 6547} \\ \underline{6490} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 61 = 107 \text{ remainder } 20$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6547} \\ \underline{6527} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 67 = 97 \text{ remainder } 48$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6547} \\ \underline{6499} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 71 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6547} \\ \underline{6532} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 73 = 89 \text{ remainder } 50$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6547} \\ \underline{6497} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$6547 \div 79 = 82 \text{ remainder } 69$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6547} \end{array}$$

6478

-----

69 ← remainder

## **P<sub>846</sub> 6551**

$$6551 \div 2 = 3275 \text{ remainder } 1$$

$$\begin{array}{r} 3275 \\ 2 \overline{) 6551} \\ \underline{6550} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 3 = 2183 \text{ remainder } 2$$

$$\begin{array}{r} 2183 \\ 3 \overline{) 6551} \\ \underline{6549} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 5 = 1310 \text{ remainder } 1$$

$$\begin{array}{r} 1310 \\ 5 \overline{) 6551} \\ \underline{6550} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 7 = 935 \text{ remainder } 6$$

$$\begin{array}{r} 935 \\ 7 \overline{) 6551} \\ \underline{6545} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 11 = 595 \text{ remainder } 6$$

$$\begin{array}{r} 595 \\ 11 \overline{) 6551} \\ \underline{6545} \\ 6 \end{array} \leftarrow \text{remainder}$$



$$6551 \div 13 = 503 \text{ remainder } 12$$

$$\begin{array}{r} 503 \\ 13 \overline{) 6551} \\ \underline{6539} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 17 = 385 \text{ remainder } 6$$

$$\begin{array}{r} 385 \\ 17 \overline{) 6551} \\ \underline{6545} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 19 = 344 \text{ remainder } 15$$

$$\begin{array}{r} 344 \\ 19 \overline{) 6551} \\ \underline{6536} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 23 = 284 \text{ remainder } 19$$

$$\begin{array}{r} 284 \\ 23 \overline{) 6551} \\ \underline{6532} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 29 = 225 \text{ remainder } 26$$

$$\begin{array}{r} 225 \\ 29 \overline{) 6551} \\ \underline{6525} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 31 = 211 \text{ remainder } 10$$

$$\begin{array}{r} 211 \\ 31 \overline{) 6551} \end{array}$$

```

6541
----
10 ← remainder

```

$$6551 \div 37 = 177 \text{ remainder } 2$$

```

      177
37 | 6551
    6549
    ----
      2 ← remainder

```

$$6551 \div 41 = 159 \text{ remainder } 32$$

```

      159
41 | 6551
    6519
    ----
     32 ← remainder

```

$$6551 \div 43 = 152 \text{ remainder } 15$$

```

      152
43 | 6551
    6536
    ----
     15 ← remainder

```

$$6551 \div 47 = 139 \text{ remainder } 18$$

```

      139
47 | 6551
    6533
    ----
     18 ← remainder

```

$$6551 \div 53 = 123 \text{ remainder } 32$$

```

      123
53 | 6551
    6519
    ----
     32 ← remainder

```

$$6551 \div 59 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6551} \\ \underline{6549} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 61 = 107 \text{ remainder } 24$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6551} \\ \underline{6527} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 67 = 97 \text{ remainder } 52$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6551} \\ \underline{6499} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 71 = 92 \text{ remainder } 19$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6551} \\ \underline{6532} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 73 = 89 \text{ remainder } 54$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6551} \\ \underline{6497} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6551 \div 79 = 82 \text{ remainder } 73$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6551} \end{array}$$

6478

----

73 ← remainder

## **P<sub>847</sub> 6553**

$$6553 \div 2 = 3276 \text{ remainder } 1$$

$$\begin{array}{r} 3276 \\ 2 \overline{) 6553} \\ \underline{6552} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 3 = 2184 \text{ remainder } 1$$

$$\begin{array}{r} 2184 \\ 3 \overline{) 6553} \\ \underline{6552} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 5 = 1310 \text{ remainder } 3$$

$$\begin{array}{r} 1310 \\ 5 \overline{) 6553} \\ \underline{6550} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 7 = 936 \text{ remainder } 1$$

$$\begin{array}{r} 936 \\ 7 \overline{) 6553} \\ \underline{6552} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 11 = 595 \text{ remainder } 8$$

$$\begin{array}{r} 595 \\ 11 \overline{) 6553} \\ \underline{6545} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 13 = 504 \text{ remainder } 1$$

$$\begin{array}{r} 504 \\ 13 \overline{) 6553} \\ \underline{6552} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 17 = 385 \text{ remainder } 8$$

$$\begin{array}{r} 385 \\ 17 \overline{) 6553} \\ \underline{6545} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 19 = 344 \text{ remainder } 17$$

$$\begin{array}{r} 344 \\ 19 \overline{) 6553} \\ \underline{6536} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 23 = 284 \text{ remainder } 21$$

$$\begin{array}{r} 284 \\ 23 \overline{) 6553} \\ \underline{6532} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 29 = 225 \text{ remainder } 28$$

$$\begin{array}{r} 225 \\ 29 \overline{) 6553} \\ \underline{6525} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 31 = 211 \text{ remainder } 12$$

$$\begin{array}{r} 211 \\ 31 \overline{) 6553} \end{array}$$

```

6541
----
12  ← remainder

```

$$6553 \div 37 = 177 \text{ remainder } 4$$

```

      177
37 | 6553
    6549
    ----
      4  ← remainder

```

$$6553 \div 41 = 159 \text{ remainder } 34$$

```

      159
41 | 6553
    6519
    ----
     34  ← remainder

```

$$6553 \div 43 = 152 \text{ remainder } 17$$

```

      152
43 | 6553
    6536
    ----
     17  ← remainder

```

$$6553 \div 47 = 139 \text{ remainder } 20$$

```

      139
47 | 6553
    6533
    ----
     20  ← remainder

```

$$6553 \div 53 = 123 \text{ remainder } 34$$

```

      123
53 | 6553
    6519
    ----
     34  ← remainder

```

$$6553 \div 59 = 111 \text{ remainder } 4$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6553} \\ \underline{6549} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 61 = 107 \text{ remainder } 26$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6553} \\ \underline{6527} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 67 = 97 \text{ remainder } 54$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6553} \\ \underline{6499} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 71 = 92 \text{ remainder } 21$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6553} \\ \underline{6532} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 73 = 89 \text{ remainder } 56$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6553} \\ \underline{6497} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6553 \div 79 = 82 \text{ remainder } 75$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6553} \end{array}$$



6478

-----

75 ← remainder

## **P<sub>848</sub> 6563**

$$6563 \div 2 = 3281 \text{ remainder } 1$$

$$\begin{array}{r} 3281 \\ 2 \overline{) 6563} \\ \underline{6562} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 3 = 2187 \text{ remainder } 2$$

$$\begin{array}{r} 2187 \\ 3 \overline{) 6563} \\ \underline{6561} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 5 = 1312 \text{ remainder } 3$$

$$\begin{array}{r} 1312 \\ 5 \overline{) 6563} \\ \underline{6560} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 7 = 937 \text{ remainder } 4$$

$$\begin{array}{r} 937 \\ 7 \overline{) 6563} \\ \underline{6559} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 11 = 596 \text{ remainder } 7$$

$$\begin{array}{r} 596 \\ 11 \overline{) 6563} \\ \underline{6556} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 13 = 504 \text{ remainder } 11$$

$$\begin{array}{r} 504 \\ 13 \overline{) 6563} \\ \underline{6552} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 17 = 386 \text{ remainder } 1$$

$$\begin{array}{r} 386 \\ 17 \overline{) 6563} \\ \underline{6562} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 19 = 345 \text{ remainder } 8$$

$$\begin{array}{r} 345 \\ 19 \overline{) 6563} \\ \underline{6555} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 23 = 285 \text{ remainder } 8$$

$$\begin{array}{r} 285 \\ 23 \overline{) 6563} \\ \underline{6555} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 29 = 226 \text{ remainder } 9$$

$$\begin{array}{r} 226 \\ 29 \overline{) 6563} \\ \underline{6554} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 31 = 211 \text{ remainder } 22$$

$$\begin{array}{r} 211 \\ 31 \overline{) 6563} \end{array}$$

$$\begin{array}{r} 6541 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 37 = 177 \text{ remainder } 14$$

$$\begin{array}{r} 177 \\ 37 \overline{) 6563} \\ \underline{6549} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 41 = 160 \text{ remainder } 3$$

$$\begin{array}{r} 160 \\ 41 \overline{) 6563} \\ \underline{6560} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 43 = 152 \text{ remainder } 27$$

$$\begin{array}{r} 152 \\ 43 \overline{) 6563} \\ \underline{6536} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 47 = 139 \text{ remainder } 30$$

$$\begin{array}{r} 139 \\ 47 \overline{) 6563} \\ \underline{6533} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 53 = 123 \text{ remainder } 44$$

$$\begin{array}{r} 123 \\ 53 \overline{) 6563} \\ \underline{6519} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 59 = 111 \text{ remainder } 14$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6563} \\ \underline{6549} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 61 = 107 \text{ remainder } 36$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6563} \\ \underline{6527} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 67 = 97 \text{ remainder } 64$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6563} \\ \underline{6499} \\ 64 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 71 = 92 \text{ remainder } 31$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6563} \\ \underline{6532} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 73 = 89 \text{ remainder } 66$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6563} \\ \underline{6497} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$6563 \div 79 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6563} \end{array}$$

6557

----

6 ← remainder

## **P<sub>849</sub> 6569**

$$6569 \div 2 = 3284 \text{ remainder } 1$$

$$\begin{array}{r} 3284 \\ 2 \overline{) 6569} \\ \underline{6568} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 3 = 2189 \text{ remainder } 2$$

$$\begin{array}{r} 2189 \\ 3 \overline{) 6569} \\ \underline{6567} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 5 = 1313 \text{ remainder } 4$$

$$\begin{array}{r} 1313 \\ 5 \overline{) 6569} \\ \underline{6565} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 7 = 938 \text{ remainder } 3$$

$$\begin{array}{r} 938 \\ 7 \overline{) 6569} \\ \underline{6566} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 11 = 597 \text{ remainder } 2$$

$$\begin{array}{r} 597 \\ 11 \overline{) 6569} \\ \underline{6567} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 13 = 505 \text{ remainder } 4$$

$$\begin{array}{r} 505 \\ 13 \overline{) 6569} \\ \underline{6565} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 17 = 386 \text{ remainder } 7$$

$$\begin{array}{r} 386 \\ 17 \overline{) 6569} \\ \underline{6562} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 19 = 345 \text{ remainder } 14$$

$$\begin{array}{r} 345 \\ 19 \overline{) 6569} \\ \underline{6555} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 23 = 285 \text{ remainder } 14$$

$$\begin{array}{r} 285 \\ 23 \overline{) 6569} \\ \underline{6555} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 29 = 226 \text{ remainder } 15$$

$$\begin{array}{r} 226 \\ 29 \overline{) 6569} \\ \underline{6554} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 31 = 211 \text{ remainder } 28$$

$$\begin{array}{r} 211 \\ 31 \overline{) 6569} \end{array}$$



$$\begin{array}{r} 6541 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 37 = 177 \text{ remainder } 20$$

$$\begin{array}{r} 177 \\ 37 \overline{) 6569} \\ \underline{6549} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 41 = 160 \text{ remainder } 9$$

$$\begin{array}{r} 160 \\ 41 \overline{) 6569} \\ \underline{6560} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 43 = 152 \text{ remainder } 33$$

$$\begin{array}{r} 152 \\ 43 \overline{) 6569} \\ \underline{6536} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 47 = 139 \text{ remainder } 36$$

$$\begin{array}{r} 139 \\ 47 \overline{) 6569} \\ \underline{6533} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 53 = 123 \text{ remainder } 50$$

$$\begin{array}{r} 123 \\ 53 \overline{) 6569} \\ \underline{6519} \\ \text{----} \\ 50 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 59 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6569} \\ \underline{6549} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 61 = 107 \text{ remainder } 42$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6569} \\ \underline{6527} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 67 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6569} \\ \underline{6566} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 71 = 92 \text{ remainder } 37$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6569} \\ \underline{6532} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 73 = 89 \text{ remainder } 72$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6569} \\ \underline{6497} \\ 72 \end{array} \leftarrow \text{remainder}$$

$$6569 \div 79 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6569} \end{array}$$

6557

----

12 ← remainder

## **P<sub>850</sub> 6571**

$$6571 \div 2 = 3285 \text{ remainder } 1$$

$$\begin{array}{r} 3285 \\ 2 \overline{) 6571} \\ \underline{6570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 3 = 2190 \text{ remainder } 1$$

$$\begin{array}{r} 2190 \\ 3 \overline{) 6571} \\ \underline{6570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 5 = 1314 \text{ remainder } 1$$

$$\begin{array}{r} 1314 \\ 5 \overline{) 6571} \\ \underline{6570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 7 = 938 \text{ remainder } 5$$

$$\begin{array}{r} 938 \\ 7 \overline{) 6571} \\ \underline{6566} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 11 = 597 \text{ remainder } 4$$

$$\begin{array}{r} 597 \\ 11 \overline{) 6571} \\ \underline{6567} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 13 = 505 \text{ remainder } 6$$

$$\begin{array}{r} 505 \\ 13 \overline{) 6571} \\ \underline{6565} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 17 = 386 \text{ remainder } 9$$

$$\begin{array}{r} 386 \\ 17 \overline{) 6571} \\ \underline{6562} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 19 = 345 \text{ remainder } 16$$

$$\begin{array}{r} 345 \\ 19 \overline{) 6571} \\ \underline{6555} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 23 = 285 \text{ remainder } 16$$

$$\begin{array}{r} 285 \\ 23 \overline{) 6571} \\ \underline{6555} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 29 = 226 \text{ remainder } 17$$

$$\begin{array}{r} 226 \\ 29 \overline{) 6571} \\ \underline{6554} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 31 = 211 \text{ remainder } 30$$

$$\begin{array}{r} 211 \\ 31 \overline{) 6571} \end{array}$$

$$\begin{array}{r} 6541 \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 37 = 177 \text{ remainder } 22$$

$$\begin{array}{r} 177 \\ 37 \overline{) 6571} \\ \underline{6549} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 41 = 160 \text{ remainder } 11$$

$$\begin{array}{r} 160 \\ 41 \overline{) 6571} \\ \underline{6560} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 43 = 152 \text{ remainder } 35$$

$$\begin{array}{r} 152 \\ 43 \overline{) 6571} \\ \underline{6536} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 47 = 139 \text{ remainder } 38$$

$$\begin{array}{r} 139 \\ 47 \overline{) 6571} \\ \underline{6533} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 53 = 123 \text{ remainder } 52$$

$$\begin{array}{r} 123 \\ 53 \overline{) 6571} \\ \underline{6519} \\ \text{----} \\ 52 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 59 = 111 \text{ remainder } 22$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6571} \\ \underline{6549} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 61 = 107 \text{ remainder } 44$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6571} \\ \underline{6527} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 67 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6571} \\ \underline{6566} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 71 = 92 \text{ remainder } 39$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6571} \\ \underline{6532} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 73 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6571} \\ \underline{6570} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6571 \div 79 = 83 \text{ remainder } 14$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6571} \end{array}$$

6557

----

14 ← remainder



## **P<sub>851</sub> 6577**

$$6577 \div 2 = 3288 \text{ remainder } 1$$

$$\begin{array}{r} 3288 \\ 2 \overline{) 6577} \\ \underline{6576} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 3 = 2192 \text{ remainder } 1$$

$$\begin{array}{r} 2192 \\ 3 \overline{) 6577} \\ \underline{6576} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 5 = 1315 \text{ remainder } 2$$

$$\begin{array}{r} 1315 \\ 5 \overline{) 6577} \\ \underline{6575} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 7 = 939 \text{ remainder } 4$$

$$\begin{array}{r} 939 \\ 7 \overline{) 6577} \\ \underline{6573} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 11 = 597 \text{ remainder } 10$$

$$\begin{array}{r} 597 \\ 11 \overline{) 6577} \\ \underline{6567} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 13 = 505 \text{ remainder } 12$$

$$\begin{array}{r} 505 \\ 13 \overline{) 6577} \\ \underline{6565} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 17 = 386 \text{ remainder } 15$$

$$\begin{array}{r} 386 \\ 17 \overline{) 6577} \\ \underline{6562} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 19 = 346 \text{ remainder } 3$$

$$\begin{array}{r} 346 \\ 19 \overline{) 6577} \\ \underline{6574} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 23 = 285 \text{ remainder } 22$$

$$\begin{array}{r} 285 \\ 23 \overline{) 6577} \\ \underline{6555} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 29 = 226 \text{ remainder } 23$$

$$\begin{array}{r} 226 \\ 29 \overline{) 6577} \\ \underline{6554} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 31 = 212 \text{ remainder } 5$$

$$\begin{array}{r} 212 \\ 31 \overline{) 6577} \end{array}$$

6572

----

5 ← remainder

$$6577 \div 37 = 177 \text{ remainder } 28$$

$$\begin{array}{r} 177 \\ 37 \overline{) 6577} \\ \underline{6549} \end{array}$$

----

28 ← remainder

$$6577 \div 41 = 160 \text{ remainder } 17$$

$$\begin{array}{r} 160 \\ 41 \overline{) 6577} \\ \underline{6560} \end{array}$$

----

17 ← remainder

$$6577 \div 43 = 152 \text{ remainder } 41$$

$$\begin{array}{r} 152 \\ 43 \overline{) 6577} \\ \underline{6536} \end{array}$$

----

41 ← remainder

$$6577 \div 47 = 139 \text{ remainder } 44$$

$$\begin{array}{r} 139 \\ 47 \overline{) 6577} \\ \underline{6533} \end{array}$$

----

44 ← remainder

$$6577 \div 53 = 124 \text{ remainder } 5$$

$$\begin{array}{r} 124 \\ 53 \overline{) 6577} \\ \underline{6572} \end{array}$$

----

5 ← remainder

$$6577 \div 59 = 111 \text{ remainder } 28$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6577} \\ \underline{6549} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 61 = 107 \text{ remainder } 50$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6577} \\ \underline{6527} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 67 = 98 \text{ remainder } 11$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6577} \\ \underline{6566} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 71 = 92 \text{ remainder } 45$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6577} \\ \underline{6532} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 73 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6577} \\ \underline{6570} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6577 \div 79 = 83 \text{ remainder } 20$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6577} \end{array}$$

6557

----

20 ← remainder

## **P<sub>852</sub> 6581**

$$6581 \div 2 = 3290 \text{ remainder } 1$$

$$\begin{array}{r} 3290 \\ 2 \overline{) 6581} \\ \underline{6580} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 3 = 2193 \text{ remainder } 2$$

$$\begin{array}{r} 2193 \\ 3 \overline{) 6581} \\ \underline{6579} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 5 = 1316 \text{ remainder } 1$$

$$\begin{array}{r} 1316 \\ 5 \overline{) 6581} \\ \underline{6580} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 7 = 940 \text{ remainder } 1$$

$$\begin{array}{r} 940 \\ 7 \overline{) 6581} \\ \underline{6580} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 11 = 598 \text{ remainder } 3$$

$$\begin{array}{r} 598 \\ 11 \overline{) 6581} \\ \underline{6578} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 13 = 506 \text{ remainder } 3$$

$$\begin{array}{r} 506 \\ 13 \overline{) 6581} \\ \underline{6578} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 17 = 387 \text{ remainder } 2$$

$$\begin{array}{r} 387 \\ 17 \overline{) 6581} \\ \underline{6579} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 19 = 346 \text{ remainder } 7$$

$$\begin{array}{r} 346 \\ 19 \overline{) 6581} \\ \underline{6574} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 23 = 286 \text{ remainder } 3$$

$$\begin{array}{r} 286 \\ 23 \overline{) 6581} \\ \underline{6578} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 29 = 226 \text{ remainder } 27$$

$$\begin{array}{r} 226 \\ 29 \overline{) 6581} \\ \underline{6554} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 31 = 212 \text{ remainder } 9$$

$$\begin{array}{r} 212 \\ 31 \overline{) 6581} \end{array}$$

6572

----

9 ← remainder

$$6581 \div 37 = 177 \text{ remainder } 32$$

$$\begin{array}{r} 177 \\ 37 \overline{) 6581} \\ \underline{6549} \end{array}$$

----

32 ← remainder

$$6581 \div 41 = 160 \text{ remainder } 21$$

$$\begin{array}{r} 160 \\ 41 \overline{) 6581} \\ \underline{6560} \end{array}$$

----

21 ← remainder

$$6581 \div 43 = 153 \text{ remainder } 2$$

$$\begin{array}{r} 153 \\ 43 \overline{) 6581} \\ \underline{6579} \end{array}$$

----

2 ← remainder

$$6581 \div 47 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 47 \overline{) 6581} \\ \underline{6580} \end{array}$$

----

1 ← remainder

$$6581 \div 53 = 124 \text{ remainder } 9$$

$$\begin{array}{r} 124 \\ 53 \overline{) 6581} \\ \underline{6572} \end{array}$$

----

9 ← remainder



$$6581 \div 59 = 111 \text{ remainder } 32$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6581} \\ \underline{6549} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 61 = 107 \text{ remainder } 54$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6581} \\ \underline{6527} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 67 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6581} \\ \underline{6566} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 71 = 92 \text{ remainder } 49$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6581} \\ \underline{6532} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 73 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6581} \\ \underline{6570} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6581 \div 79 = 83 \text{ remainder } 24$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6581} \end{array}$$

6557

----

24 ← remainder

## **P<sub>853</sub> 6599**

$$6599 \div 2 = 3299 \text{ remainder } 1$$

$$\begin{array}{r} 3299 \\ 2 \overline{) 6599} \\ \underline{6598} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 3 = 2199 \text{ remainder } 2$$

$$\begin{array}{r} 2199 \\ 3 \overline{) 6599} \\ \underline{6597} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 5 = 1319 \text{ remainder } 4$$

$$\begin{array}{r} 1319 \\ 5 \overline{) 6599} \\ \underline{6595} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 7 = 942 \text{ remainder } 5$$

$$\begin{array}{r} 942 \\ 7 \overline{) 6599} \\ \underline{6594} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 11 = 599 \text{ remainder } 10$$

$$\begin{array}{r} 599 \\ 11 \overline{) 6599} \\ \underline{6589} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 13 = 507 \text{ remainder } 8$$

$$\begin{array}{r} 507 \\ 13 \overline{) 6599} \\ \underline{6591} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 17 = 388 \text{ remainder } 3$$

$$\begin{array}{r} 388 \\ 17 \overline{) 6599} \\ \underline{6596} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 19 = 347 \text{ remainder } 6$$

$$\begin{array}{r} 347 \\ 19 \overline{) 6599} \\ \underline{6593} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 23 = 286 \text{ remainder } 21$$

$$\begin{array}{r} 286 \\ 23 \overline{) 6599} \\ \underline{6578} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 29 = 227 \text{ remainder } 16$$

$$\begin{array}{r} 227 \\ 29 \overline{) 6599} \\ \underline{6583} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 31 = 212 \text{ remainder } 27$$

$$\begin{array}{r} 212 \\ 31 \overline{) 6599} \end{array}$$

$$\begin{array}{r} 6572 \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 37 = 178 \text{ remainder } 13$$

$$\begin{array}{r} 178 \\ 37 \overline{) 6599} \\ \underline{6586} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 41 = 160 \text{ remainder } 39$$

$$\begin{array}{r} 160 \\ 41 \overline{) 6599} \\ \underline{6560} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 43 = 153 \text{ remainder } 20$$

$$\begin{array}{r} 153 \\ 43 \overline{) 6599} \\ \underline{6579} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 47 = 140 \text{ remainder } 19$$

$$\begin{array}{r} 140 \\ 47 \overline{) 6599} \\ \underline{6580} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 53 = 124 \text{ remainder } 27$$

$$\begin{array}{r} 124 \\ 53 \overline{) 6599} \\ \underline{6572} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 59 = 111 \text{ remainder } 50$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6599} \\ \underline{6549} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 61 = 108 \text{ remainder } 11$$

$$\begin{array}{r} 108 \\ 61 \overline{) 6599} \\ \underline{6588} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 67 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6599} \\ \underline{6566} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 71 = 92 \text{ remainder } 67$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6599} \\ \underline{6532} \\ 67 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 73 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6599} \\ \underline{6570} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6599 \div 79 = 83 \text{ remainder } 42$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6599} \end{array}$$

6557

-----

42 ← remainder

## **P<sub>854</sub> 6607**

$$6607 \div 2 = 3303 \text{ remainder } 1$$

$$\begin{array}{r} 3303 \\ 2 \overline{) 6607} \\ \underline{6606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 3 = 2202 \text{ remainder } 1$$

$$\begin{array}{r} 2202 \\ 3 \overline{) 6607} \\ \underline{6606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 5 = 1321 \text{ remainder } 2$$

$$\begin{array}{r} 1321 \\ 5 \overline{) 6607} \\ \underline{6605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 7 = 943 \text{ remainder } 6$$

$$\begin{array}{r} 943 \\ 7 \overline{) 6607} \\ \underline{6601} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 11 = 600 \text{ remainder } 7$$

$$\begin{array}{r} 600 \\ 11 \overline{) 6607} \\ \underline{6600} \\ 7 \end{array} \leftarrow \text{remainder}$$



$$6607 \div 13 = 508 \text{ remainder } 3$$

$$\begin{array}{r} 508 \\ 13 \overline{) 6607} \\ \underline{6604} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 17 = 388 \text{ remainder } 11$$

$$\begin{array}{r} 388 \\ 17 \overline{) 6607} \\ \underline{6596} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 19 = 347 \text{ remainder } 14$$

$$\begin{array}{r} 347 \\ 19 \overline{) 6607} \\ \underline{6593} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 23 = 287 \text{ remainder } 6$$

$$\begin{array}{r} 287 \\ 23 \overline{) 6607} \\ \underline{6601} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 29 = 227 \text{ remainder } 24$$

$$\begin{array}{r} 227 \\ 29 \overline{) 6607} \\ \underline{6583} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 31 = 213 \text{ remainder } 4$$

$$\begin{array}{r} 213 \\ 31 \overline{) 6607} \end{array}$$

6603

----

4 ← remainder

$6607 \div 37 = 178 \text{ remainder } 21$

37 |  $\overline{178}$   
 $\overline{6607}$   
6586

----

21 ← remainder

$6607 \div 41 = 161 \text{ remainder } 6$

41 |  $\overline{161}$   
 $\overline{6607}$   
6601

----

6 ← remainder

$6607 \div 43 = 153 \text{ remainder } 28$

43 |  $\overline{153}$   
 $\overline{6607}$   
6579

----

28 ← remainder

$6607 \div 47 = 140 \text{ remainder } 27$

47 |  $\overline{140}$   
 $\overline{6607}$   
6580

----

27 ← remainder

$6607 \div 53 = 124 \text{ remainder } 35$

53 |  $\overline{124}$   
 $\overline{6607}$   
6572

----

35 ← remainder

$$6607 \div 59 = 111 \text{ remainder } 58$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6607} \\ \underline{6549} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 61 = 108 \text{ remainder } 19$$

$$\begin{array}{r} 108 \\ 61 \overline{) 6607} \\ \underline{6588} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 67 = 98 \text{ remainder } 41$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6607} \\ \underline{6566} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 71 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6607} \\ \underline{6603} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 73 = 90 \text{ remainder } 37$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6607} \\ \underline{6570} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6607 \div 79 = 83 \text{ remainder } 50$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6607} \end{array}$$

6557

----

50 ← remainder

## **P<sub>855</sub> 6619**

$$6619 \div 2 = 3309 \text{ remainder } 1$$

$$\begin{array}{r} 3309 \\ 2 \overline{) 6619} \\ \underline{6618} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 3 = 2206 \text{ remainder } 1$$

$$\begin{array}{r} 2206 \\ 3 \overline{) 6619} \\ \underline{6618} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 5 = 1323 \text{ remainder } 4$$

$$\begin{array}{r} 1323 \\ 5 \overline{) 6619} \\ \underline{6615} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 7 = 945 \text{ remainder } 4$$

$$\begin{array}{r} 945 \\ 7 \overline{) 6619} \\ \underline{6615} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 11 = 601 \text{ remainder } 8$$

$$\begin{array}{r} 601 \\ 11 \overline{) 6619} \\ \underline{6611} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 13 = 509 \text{ remainder } 2$$

$$\begin{array}{r} 509 \\ 13 \overline{) 6619} \\ \underline{6617} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 17 = 389 \text{ remainder } 6$$

$$\begin{array}{r} 389 \\ 17 \overline{) 6619} \\ \underline{6613} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 19 = 348 \text{ remainder } 7$$

$$\begin{array}{r} 348 \\ 19 \overline{) 6619} \\ \underline{6612} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 23 = 287 \text{ remainder } 18$$

$$\begin{array}{r} 287 \\ 23 \overline{) 6619} \\ \underline{6601} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 29 = 228 \text{ remainder } 7$$

$$\begin{array}{r} 228 \\ 29 \overline{) 6619} \\ \underline{6612} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 31 = 213 \text{ remainder } 16$$

$$\begin{array}{r} 213 \\ 31 \overline{) 6619} \end{array}$$

6603

----

16 ← remainder

$$6619 \div 37 = 178 \text{ remainder } 33$$

$$\begin{array}{r} 178 \\ 37 \overline{) 6619} \\ \underline{6586} \end{array}$$

----

33 ← remainder

$$6619 \div 41 = 161 \text{ remainder } 18$$

$$\begin{array}{r} 161 \\ 41 \overline{) 6619} \\ \underline{6601} \end{array}$$

----

18 ← remainder

$$6619 \div 43 = 153 \text{ remainder } 40$$

$$\begin{array}{r} 153 \\ 43 \overline{) 6619} \\ \underline{6579} \end{array}$$

----

40 ← remainder

$$6619 \div 47 = 140 \text{ remainder } 39$$

$$\begin{array}{r} 140 \\ 47 \overline{) 6619} \\ \underline{6580} \end{array}$$

----

39 ← remainder

$$6619 \div 53 = 124 \text{ remainder } 47$$

$$\begin{array}{r} 124 \\ 53 \overline{) 6619} \\ \underline{6572} \end{array}$$

----

47 ← remainder

$$6619 \div 59 = 112 \text{ remainder } 11$$

$$\begin{array}{r} 112 \\ 59 \overline{) 6619} \\ \underline{6608} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 61 = 108 \text{ remainder } 31$$

$$\begin{array}{r} 108 \\ 61 \overline{) 6619} \\ \underline{6588} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 67 = 98 \text{ remainder } 53$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6619} \\ \underline{6566} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 71 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6619} \\ \underline{6603} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 73 = 90 \text{ remainder } 49$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6619} \\ \underline{6570} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6619 \div 79 = 83 \text{ remainder } 62$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6619} \end{array}$$



6557

----

62 ← remainder

## **P<sub>856</sub> 6637**

$$6637 \div 2 = 3318 \text{ remainder } 1$$

$$\begin{array}{r} 3318 \\ 2 \overline{) 6637} \\ \underline{6636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 3 = 2212 \text{ remainder } 1$$

$$\begin{array}{r} 2212 \\ 3 \overline{) 6637} \\ \underline{6636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 5 = 1327 \text{ remainder } 2$$

$$\begin{array}{r} 1327 \\ 5 \overline{) 6637} \\ \underline{6635} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 7 = 948 \text{ remainder } 1$$

$$\begin{array}{r} 948 \\ 7 \overline{) 6637} \\ \underline{6636} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 11 = 603 \text{ remainder } 4$$

$$\begin{array}{r} 603 \\ 11 \overline{) 6637} \\ \underline{6633} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 13 = 510 \text{ remainder } 7$$

$$\begin{array}{r} 510 \\ 13 \overline{) 6637} \\ \underline{6630} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 17 = 390 \text{ remainder } 7$$

$$\begin{array}{r} 390 \\ 17 \overline{) 6637} \\ \underline{6630} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 19 = 349 \text{ remainder } 6$$

$$\begin{array}{r} 349 \\ 19 \overline{) 6637} \\ \underline{6631} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 23 = 288 \text{ remainder } 13$$

$$\begin{array}{r} 288 \\ 23 \overline{) 6637} \\ \underline{6624} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 29 = 228 \text{ remainder } 25$$

$$\begin{array}{r} 228 \\ 29 \overline{) 6637} \\ \underline{6612} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 31 = 214 \text{ remainder } 3$$

$$\begin{array}{r} 214 \\ 31 \overline{) 6637} \end{array}$$

$$\begin{array}{r} 6634 \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 37 = 179 \text{ remainder } 14$$

$$\begin{array}{r} 179 \\ 37 \mid \overline{6637} \\ \underline{6623} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 41 = 161 \text{ remainder } 36$$

$$\begin{array}{r} 161 \\ 41 \mid \overline{6637} \\ \underline{6601} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 43 = 154 \text{ remainder } 15$$

$$\begin{array}{r} 154 \\ 43 \mid \overline{6637} \\ \underline{6622} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 47 = 141 \text{ remainder } 10$$

$$\begin{array}{r} 141 \\ 47 \mid \overline{6637} \\ \underline{6627} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 53 = 125 \text{ remainder } 12$$

$$\begin{array}{r} 125 \\ 53 \mid \overline{6637} \\ \underline{6625} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 59 = 112 \text{ remainder } 29$$

$$\begin{array}{r} 112 \\ 59 \overline{) 6637} \\ \underline{6608} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 61 = 108 \text{ remainder } 49$$

$$\begin{array}{r} 108 \\ 61 \overline{) 6637} \\ \underline{6588} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 67 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6637} \\ \underline{6633} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 71 = 93 \text{ remainder } 34$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6637} \\ \underline{6603} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 73 = 90 \text{ remainder } 67$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6637} \\ \underline{6570} \\ 67 \end{array} \leftarrow \text{remainder}$$

$$6637 \div 79 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6637} \end{array}$$

6636

----

1 ← remainder

## **P<sub>857</sub> 6653**

$$6653 \div 2 = 3326 \text{ remainder } 1$$

$$\begin{array}{r} 3326 \\ 2 \overline{) 6653} \\ \underline{6652} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 3 = 2217 \text{ remainder } 2$$

$$\begin{array}{r} 2217 \\ 3 \overline{) 6653} \\ \underline{6651} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 5 = 1330 \text{ remainder } 3$$

$$\begin{array}{r} 1330 \\ 5 \overline{) 6653} \\ \underline{6650} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 7 = 950 \text{ remainder } 3$$

$$\begin{array}{r} 950 \\ 7 \overline{) 6653} \\ \underline{6650} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 11 = 604 \text{ remainder } 9$$

$$\begin{array}{r} 604 \\ 11 \overline{) 6653} \\ \underline{6644} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 13 = 511 \text{ remainder } 10$$

$$\begin{array}{r} 511 \\ 13 \overline{) 6653} \\ \underline{6643} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 17 = 391 \text{ remainder } 6$$

$$\begin{array}{r} 391 \\ 17 \overline{) 6653} \\ \underline{6647} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 19 = 350 \text{ remainder } 3$$

$$\begin{array}{r} 350 \\ 19 \overline{) 6653} \\ \underline{6650} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 23 = 289 \text{ remainder } 6$$

$$\begin{array}{r} 289 \\ 23 \overline{) 6653} \\ \underline{6647} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 29 = 229 \text{ remainder } 12$$

$$\begin{array}{r} 229 \\ 29 \overline{) 6653} \\ \underline{6641} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 31 = 214 \text{ remainder } 19$$

$$\begin{array}{r} 214 \\ 31 \overline{) 6653} \end{array}$$



$$\begin{array}{r} 6634 \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 37 = 179 \text{ remainder } 30$$

$$\begin{array}{r} 179 \\ 37 \overline{) 6653} \\ \underline{6623} \phantom{00} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 41 = 162 \text{ remainder } 11$$

$$\begin{array}{r} 162 \\ 41 \overline{) 6653} \\ \underline{6642} \phantom{00} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 43 = 154 \text{ remainder } 31$$

$$\begin{array}{r} 154 \\ 43 \overline{) 6653} \\ \underline{6622} \phantom{00} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 47 = 141 \text{ remainder } 26$$

$$\begin{array}{r} 141 \\ 47 \overline{) 6653} \\ \underline{6627} \phantom{00} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 53 = 125 \text{ remainder } 28$$

$$\begin{array}{r} 125 \\ 53 \overline{) 6653} \\ \underline{6625} \phantom{00} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 59 = 112 \text{ remainder } 45$$

$$\begin{array}{r} 112 \\ 59 \overline{) 6653} \\ \underline{6608} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 61 = 109 \text{ remainder } 4$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6653} \\ \underline{6649} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 67 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6653} \\ \underline{6633} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 71 = 93 \text{ remainder } 50$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6653} \\ \underline{6603} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 73 = 91 \text{ remainder } 10$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6653} \\ \underline{6643} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6653 \div 79 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6653} \end{array}$$

6636

----

17 ← remainder

## **P<sub>858</sub> 6659**

$$6659 \div 2 = 3329 \text{ remainder } 1$$

$$\begin{array}{r} 3329 \\ 2 \overline{) 6659} \\ \underline{6658} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 3 = 2219 \text{ remainder } 2$$

$$\begin{array}{r} 2219 \\ 3 \overline{) 6659} \\ \underline{6657} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 5 = 1331 \text{ remainder } 4$$

$$\begin{array}{r} 1331 \\ 5 \overline{) 6659} \\ \underline{6655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 7 = 951 \text{ remainder } 2$$

$$\begin{array}{r} 951 \\ 7 \overline{) 6659} \\ \underline{6657} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 11 = 605 \text{ remainder } 4$$

$$\begin{array}{r} 605 \\ 11 \overline{) 6659} \\ \underline{6655} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 13 = 512 \text{ remainder } 3$$

$$\begin{array}{r} 512 \\ 13 \overline{) 6659} \\ \underline{6656} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 17 = 391 \text{ remainder } 12$$

$$\begin{array}{r} 391 \\ 17 \overline{) 6659} \\ \underline{6647} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 19 = 350 \text{ remainder } 9$$

$$\begin{array}{r} 350 \\ 19 \overline{) 6659} \\ \underline{6650} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 23 = 289 \text{ remainder } 12$$

$$\begin{array}{r} 289 \\ 23 \overline{) 6659} \\ \underline{6647} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 29 = 229 \text{ remainder } 18$$

$$\begin{array}{r} 229 \\ 29 \overline{) 6659} \\ \underline{6641} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 31 = 214 \text{ remainder } 25$$

$$\begin{array}{r} 214 \\ 31 \overline{) 6659} \end{array}$$

$$\begin{array}{r} 6634 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 37 = 179 \text{ remainder } 36$$

$$\begin{array}{r} 179 \\ 37 \overline{) 6659} \\ \underline{6623} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 41 = 162 \text{ remainder } 17$$

$$\begin{array}{r} 162 \\ 41 \overline{) 6659} \\ \underline{6642} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 43 = 154 \text{ remainder } 37$$

$$\begin{array}{r} 154 \\ 43 \overline{) 6659} \\ \underline{6622} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 47 = 141 \text{ remainder } 32$$

$$\begin{array}{r} 141 \\ 47 \overline{) 6659} \\ \underline{6627} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 53 = 125 \text{ remainder } 34$$

$$\begin{array}{r} 125 \\ 53 \overline{) 6659} \\ \underline{6625} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 59 = 112 \text{ remainder } 51$$

$$\begin{array}{r} 112 \\ 59 \overline{) 6659} \\ \underline{6608} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 61 = 109 \text{ remainder } 10$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6659} \\ \underline{6649} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 67 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6659} \\ \underline{6633} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 71 = 93 \text{ remainder } 56$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6659} \\ \underline{6603} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 73 = 91 \text{ remainder } 16$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6659} \\ \underline{6643} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6659 \div 79 = 84 \text{ remainder } 23$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6659} \end{array}$$

6636

-----

23 ← remainder



## **P<sub>859</sub> 6661**

$$6661 \div 2 = 3330 \text{ remainder } 1$$

$$\begin{array}{r} 3330 \\ 2 \overline{) 6661} \\ \underline{6660} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 3 = 2220 \text{ remainder } 1$$

$$\begin{array}{r} 2220 \\ 3 \overline{) 6661} \\ \underline{6660} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 5 = 1332 \text{ remainder } 1$$

$$\begin{array}{r} 1332 \\ 5 \overline{) 6661} \\ \underline{6660} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 7 = 951 \text{ remainder } 4$$

$$\begin{array}{r} 951 \\ 7 \overline{) 6661} \\ \underline{6657} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 11 = 605 \text{ remainder } 6$$

$$\begin{array}{r} 605 \\ 11 \overline{) 6661} \\ \underline{6655} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 13 = 512 \text{ remainder } 5$$

$$\begin{array}{r} 512 \\ 13 \overline{) 6661} \\ \underline{6656} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 17 = 391 \text{ remainder } 14$$

$$\begin{array}{r} 391 \\ 17 \overline{) 6661} \\ \underline{6647} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 19 = 350 \text{ remainder } 11$$

$$\begin{array}{r} 350 \\ 19 \overline{) 6661} \\ \underline{6650} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 23 = 289 \text{ remainder } 14$$

$$\begin{array}{r} 289 \\ 23 \overline{) 6661} \\ \underline{6647} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 29 = 229 \text{ remainder } 20$$

$$\begin{array}{r} 229 \\ 29 \overline{) 6661} \\ \underline{6641} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 31 = 214 \text{ remainder } 27$$

$$\begin{array}{r} 214 \\ 31 \overline{) 6661} \end{array}$$

```

6634
----
27  ← remainder

```

$$6661 \div 37 = 180 \text{ remainder } 1$$

```

      180
37 | 6661
    6660
    ----
      1  ← remainder

```

$$6661 \div 41 = 162 \text{ remainder } 19$$

```

      162
41 | 6661
    6642
    ----
     19  ← remainder

```

$$6661 \div 43 = 154 \text{ remainder } 39$$

```

      154
43 | 6661
    6622
    ----
     39  ← remainder

```

$$6661 \div 47 = 141 \text{ remainder } 34$$

```

      141
47 | 6661
    6627
    ----
     34  ← remainder

```

$$6661 \div 53 = 125 \text{ remainder } 36$$

```

      125
53 | 6661
    6625
    ----
     36  ← remainder

```

$$6661 \div 59 = 112 \text{ remainder } 53$$

$$\begin{array}{r} 112 \\ 59 \overline{) 6661} \\ \underline{6608} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 61 = 109 \text{ remainder } 12$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6661} \\ \underline{6649} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 67 = 99 \text{ remainder } 28$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6661} \\ \underline{6633} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 71 = 93 \text{ remainder } 58$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6661} \\ \underline{6603} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 73 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6661} \\ \underline{6643} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6661 \div 79 = 84 \text{ remainder } 25$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6661} \end{array}$$

6636

-----

25 ← remainder

## **P<sub>860</sub> 6673**

$$6673 \div 2 = 3336 \text{ remainder } 1$$

$$\begin{array}{r} \phantom{2} \overline{) 6673} \phantom{00} \\ \underline{6672} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6673 \div 3 = 2224 \text{ remainder } 1$$

$$\begin{array}{r} \phantom{3} \overline{) 6673} \phantom{00} \\ \underline{6672} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6673 \div 5 = 1334 \text{ remainder } 3$$

$$\begin{array}{r} \phantom{5} \overline{) 6673} \phantom{00} \\ \underline{6670} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6673 \div 7 = 953 \text{ remainder } 2$$

$$\begin{array}{r} \phantom{7} \overline{) 6673} \phantom{00} \\ \underline{6671} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6673 \div 11 = 606 \text{ remainder } 7$$

$$\begin{array}{r} \phantom{11} \overline{) 6673} \phantom{00} \\ \underline{6666} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6673 \div 13 = 513 \text{ remainder } 4$$

$$\begin{array}{r} 513 \\ 13 \overline{) 6673} \\ \underline{6669} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 17 = 392 \text{ remainder } 9$$

$$\begin{array}{r} 392 \\ 17 \overline{) 6673} \\ \underline{6664} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 19 = 351 \text{ remainder } 4$$

$$\begin{array}{r} 351 \\ 19 \overline{) 6673} \\ \underline{6669} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 23 = 290 \text{ remainder } 3$$

$$\begin{array}{r} 290 \\ 23 \overline{) 6673} \\ \underline{6670} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 29 = 230 \text{ remainder } 3$$

$$\begin{array}{r} 230 \\ 29 \overline{) 6673} \\ \underline{6670} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 31 = 215 \text{ remainder } 8$$

$$\begin{array}{r} 215 \\ 31 \overline{) 6673} \end{array}$$

$$\begin{array}{r} 6665 \\ ---- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 37 = 180 \text{ remainder } 13$$

$$\begin{array}{r} 180 \\ 37 \overline{) 6673} \\ \underline{6660} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 41 = 162 \text{ remainder } 31$$

$$\begin{array}{r} 162 \\ 41 \overline{) 6673} \\ \underline{6642} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 43 = 155 \text{ remainder } 8$$

$$\begin{array}{r} 155 \\ 43 \overline{) 6673} \\ \underline{6665} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 47 = 141 \text{ remainder } 46$$

$$\begin{array}{r} 141 \\ 47 \overline{) 6673} \\ \underline{6627} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 53 = 125 \text{ remainder } 48$$

$$\begin{array}{r} 125 \\ 53 \overline{) 6673} \\ \underline{6625} \\ 48 \leftarrow \text{remainder} \end{array}$$



$$6673 \div 59 = 113 \text{ remainder } 6$$

$$\begin{array}{r} 113 \\ 59 \overline{) 6673} \\ \underline{6667} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 61 = 109 \text{ remainder } 24$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6673} \\ \underline{6649} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 67 = 99 \text{ remainder } 40$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6673} \\ \underline{6633} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 71 = 93 \text{ remainder } 70$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6673} \\ \underline{6603} \\ 70 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 73 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6673} \\ \underline{6643} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$6673 \div 79 = 84 \text{ remainder } 37$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6673} \end{array}$$

6636

-----

37 ← remainder

## **P<sub>861</sub> 6679**

$$6679 \div 2 = 3339 \text{ remainder } 1$$

$$\begin{array}{r} 3339 \\ 2 \overline{) 6679} \\ \underline{6678} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 3 = 2226 \text{ remainder } 1$$

$$\begin{array}{r} 2226 \\ 3 \overline{) 6679} \\ \underline{6678} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 5 = 1335 \text{ remainder } 4$$

$$\begin{array}{r} 1335 \\ 5 \overline{) 6679} \\ \underline{6675} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 7 = 954 \text{ remainder } 1$$

$$\begin{array}{r} 954 \\ 7 \overline{) 6679} \\ \underline{6678} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 11 = 607 \text{ remainder } 2$$

$$\begin{array}{r} 607 \\ 11 \overline{) 6679} \\ \underline{6677} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 13 = 513 \text{ remainder } 10$$

$$\begin{array}{r} 513 \\ 13 \overline{) 6679} \\ \underline{6669} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 17 = 392 \text{ remainder } 15$$

$$\begin{array}{r} 392 \\ 17 \overline{) 6679} \\ \underline{6664} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 19 = 351 \text{ remainder } 10$$

$$\begin{array}{r} 351 \\ 19 \overline{) 6679} \\ \underline{6669} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 23 = 290 \text{ remainder } 9$$

$$\begin{array}{r} 290 \\ 23 \overline{) 6679} \\ \underline{6670} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 29 = 230 \text{ remainder } 9$$

$$\begin{array}{r} 230 \\ 29 \overline{) 6679} \\ \underline{6670} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 31 = 215 \text{ remainder } 14$$

$$\begin{array}{r} 215 \\ 31 \overline{) 6679} \end{array}$$

```

6665
----
14 ← remainder

```

$$6679 \div 37 = 180 \text{ remainder } 19$$

```

      180
37 | 6679
    6660
    ----
      19 ← remainder

```

$$6679 \div 41 = 162 \text{ remainder } 37$$

```

      162
41 | 6679
    6642
    ----
      37 ← remainder

```

$$6679 \div 43 = 155 \text{ remainder } 14$$

```

      155
43 | 6679
    6665
    ----
      14 ← remainder

```

$$6679 \div 47 = 142 \text{ remainder } 5$$

```

      142
47 | 6679
    6674
    ----
       5 ← remainder

```

$$6679 \div 53 = 126 \text{ remainder } 1$$

```

      126
53 | 6679
    6678
    ----
       1 ← remainder

```

$$6679 \div 59 = 113 \text{ remainder } 12$$

$$\begin{array}{r} 113 \\ 59 \overline{) 6679} \\ \underline{6667} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 61 = 109 \text{ remainder } 30$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6679} \\ \underline{6649} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 67 = 99 \text{ remainder } 46$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6679} \\ \underline{6633} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 71 = 94 \text{ remainder } 5$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6679} \\ \underline{6674} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 73 = 91 \text{ remainder } 36$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6679} \\ \underline{6643} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6679 \div 79 = 84 \text{ remainder } 43$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6679} \end{array}$$

6636

-----

43 ← remainder

## **P<sub>862</sub> 6689**

$$6689 \div 2 = 3344 \text{ remainder } 1$$

$$\begin{array}{r} 3344 \\ 2 \overline{) 6689} \\ \underline{6688} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 3 = 2229 \text{ remainder } 2$$

$$\begin{array}{r} 2229 \\ 3 \overline{) 6689} \\ \underline{6687} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 5 = 1337 \text{ remainder } 4$$

$$\begin{array}{r} 1337 \\ 5 \overline{) 6689} \\ \underline{6685} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 7 = 955 \text{ remainder } 4$$

$$\begin{array}{r} 955 \\ 7 \overline{) 6689} \\ \underline{6685} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 11 = 608 \text{ remainder } 1$$

$$\begin{array}{r} 608 \\ 11 \overline{) 6689} \\ \underline{6688} \\ 1 \end{array} \leftarrow \text{remainder}$$



$$6689 \div 13 = 514 \text{ remainder } 7$$

$$\begin{array}{r} 514 \\ 13 \overline{) 6689} \\ \underline{6682} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6689 \div 17 = 393 \text{ remainder } 8$$

$$\begin{array}{r} 393 \\ 17 \overline{) 6689} \\ \underline{6681} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6689 \div 19 = 352 \text{ remainder } 1$$

$$\begin{array}{r} 352 \\ 19 \overline{) 6689} \\ \underline{6688} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6689 \div 23 = 290 \text{ remainder } 19$$

$$\begin{array}{r} 290 \\ 23 \overline{) 6689} \\ \underline{6670} \phantom{00} \\ 19 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6689 \div 29 = 230 \text{ remainder } 19$$

$$\begin{array}{r} 230 \\ 29 \overline{) 6689} \\ \underline{6670} \phantom{00} \\ 19 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6689 \div 31 = 215 \text{ remainder } 24$$

$$\begin{array}{r} 215 \\ 31 \overline{) 6689} \end{array}$$

$$\begin{array}{r} 6665 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 37 = 180 \text{ remainder } 29$$

$$\begin{array}{r} 180 \\ 37 \mid \overline{6689} \\ \underline{6660} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 41 = 163 \text{ remainder } 6$$

$$\begin{array}{r} 163 \\ 41 \mid \overline{6689} \\ \underline{6683} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 43 = 155 \text{ remainder } 24$$

$$\begin{array}{r} 155 \\ 43 \mid \overline{6689} \\ \underline{6665} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 47 = 142 \text{ remainder } 15$$

$$\begin{array}{r} 142 \\ 47 \mid \overline{6689} \\ \underline{6674} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 53 = 126 \text{ remainder } 11$$

$$\begin{array}{r} 126 \\ 53 \mid \overline{6689} \\ \underline{6678} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 59 = 113 \text{ remainder } 22$$

$$\begin{array}{r} 113 \\ 59 \overline{) 6689} \\ \underline{6667} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 61 = 109 \text{ remainder } 40$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6689} \\ \underline{6649} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 67 = 99 \text{ remainder } 56$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6689} \\ \underline{6633} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 71 = 94 \text{ remainder } 15$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6689} \\ \underline{6674} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 73 = 91 \text{ remainder } 46$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6689} \\ \underline{6643} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6689 \div 79 = 84 \text{ remainder } 53$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6689} \end{array}$$

6636

-----

53 ← remainder

## **P<sub>863</sub> 6691**

$$6691 \div 2 = 3345 \text{ remainder } 1$$

$$\begin{array}{r} 3345 \\ 2 \overline{) 6691} \\ \underline{6690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 3 = 2230 \text{ remainder } 1$$

$$\begin{array}{r} 2230 \\ 3 \overline{) 6691} \\ \underline{6690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 5 = 1338 \text{ remainder } 1$$

$$\begin{array}{r} 1338 \\ 5 \overline{) 6691} \\ \underline{6690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 7 = 955 \text{ remainder } 6$$

$$\begin{array}{r} 955 \\ 7 \overline{) 6691} \\ \underline{6685} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 11 = 608 \text{ remainder } 3$$

$$\begin{array}{r} 608 \\ 11 \overline{) 6691} \\ \underline{6688} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 13 = 514 \text{ remainder } 9$$

$$\begin{array}{r} 514 \\ 13 \overline{) 6691} \\ \underline{6682} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6691 \div 17 = 393 \text{ remainder } 10$$

$$\begin{array}{r} 393 \\ 17 \overline{) 6691} \\ \underline{6681} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6691 \div 19 = 352 \text{ remainder } 3$$

$$\begin{array}{r} 352 \\ 19 \overline{) 6691} \\ \underline{6688} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6691 \div 23 = 290 \text{ remainder } 21$$

$$\begin{array}{r} 290 \\ 23 \overline{) 6691} \\ \underline{6670} \phantom{00} \\ 21 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6691 \div 29 = 230 \text{ remainder } 21$$

$$\begin{array}{r} 230 \\ 29 \overline{) 6691} \\ \underline{6670} \phantom{00} \\ 21 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6691 \div 31 = 215 \text{ remainder } 26$$

$$\begin{array}{r} 215 \\ 31 \overline{) 6691} \end{array}$$

$$\begin{array}{r} 6665 \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 37 = 180 \text{ remainder } 31$$

$$\begin{array}{r} 180 \\ 37 \overline{) 6691} \\ \underline{6660} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 41 = 163 \text{ remainder } 8$$

$$\begin{array}{r} 163 \\ 41 \overline{) 6691} \\ \underline{6683} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 43 = 155 \text{ remainder } 26$$

$$\begin{array}{r} 155 \\ 43 \overline{) 6691} \\ \underline{6665} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 47 = 142 \text{ remainder } 17$$

$$\begin{array}{r} 142 \\ 47 \overline{) 6691} \\ \underline{6674} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 53 = 126 \text{ remainder } 13$$

$$\begin{array}{r} 126 \\ 53 \overline{) 6691} \\ \underline{6678} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 59 = 113 \text{ remainder } 24$$

$$\begin{array}{r} 113 \\ 59 \overline{) 6691} \\ \underline{6667} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 61 = 109 \text{ remainder } 42$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6691} \\ \underline{6649} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 67 = 99 \text{ remainder } 58$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6691} \\ \underline{6633} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 71 = 94 \text{ remainder } 17$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6691} \\ \underline{6674} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 73 = 91 \text{ remainder } 48$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6691} \\ \underline{6643} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6691 \div 79 = 84 \text{ remainder } 55$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6691} \end{array}$$



6636

-----

55 ← remainder

## **P<sub>864</sub> 6701**

$$6701 \div 2 = 3350 \text{ remainder } 1$$

$$\begin{array}{r} 3350 \\ 2 \overline{) 6701} \\ \underline{6700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 3 = 2233 \text{ remainder } 2$$

$$\begin{array}{r} 2233 \\ 3 \overline{) 6701} \\ \underline{6699} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 5 = 1340 \text{ remainder } 1$$

$$\begin{array}{r} 1340 \\ 5 \overline{) 6701} \\ \underline{6700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 7 = 957 \text{ remainder } 2$$

$$\begin{array}{r} 957 \\ 7 \overline{) 6701} \\ \underline{6699} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 11 = 609 \text{ remainder } 2$$

$$\begin{array}{r} 609 \\ 11 \overline{) 6701} \\ \underline{6699} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 13 = 515 \text{ remainder } 6$$

$$\begin{array}{r} 515 \\ 13 \overline{) 6701} \\ \underline{6695} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 17 = 394 \text{ remainder } 3$$

$$\begin{array}{r} 394 \\ 17 \overline{) 6701} \\ \underline{6698} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 19 = 352 \text{ remainder } 13$$

$$\begin{array}{r} 352 \\ 19 \overline{) 6701} \\ \underline{6688} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 23 = 291 \text{ remainder } 8$$

$$\begin{array}{r} 291 \\ 23 \overline{) 6701} \\ \underline{6693} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 29 = 231 \text{ remainder } 2$$

$$\begin{array}{r} 231 \\ 29 \overline{) 6701} \\ \underline{6699} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 31 = 216 \text{ remainder } 5$$

$$\begin{array}{r} 216 \\ 31 \overline{) 6701} \end{array}$$

$$\begin{array}{r} 6696 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 37 = 181 \text{ remainder } 4$$

$$\begin{array}{r} 181 \\ 37 \overline{) 6701} \\ \underline{6697} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 41 = 163 \text{ remainder } 18$$

$$\begin{array}{r} 163 \\ 41 \overline{) 6701} \\ \underline{6683} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 43 = 155 \text{ remainder } 36$$

$$\begin{array}{r} 155 \\ 43 \overline{) 6701} \\ \underline{6665} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 47 = 142 \text{ remainder } 27$$

$$\begin{array}{r} 142 \\ 47 \overline{) 6701} \\ \underline{6674} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 53 = 126 \text{ remainder } 23$$

$$\begin{array}{r} 126 \\ 53 \overline{) 6701} \\ \underline{6678} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 59 = 113 \text{ remainder } 34$$

$$\begin{array}{r} 113 \\ 59 \overline{) 6701} \\ \underline{6667} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 61 = 109 \text{ remainder } 52$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6701} \\ \underline{6649} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 67 = 100 \text{ remainder } 1$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6701} \\ \underline{6700} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 71 = 94 \text{ remainder } 27$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6701} \\ \underline{6674} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 73 = 91 \text{ remainder } 58$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6701} \\ \underline{6643} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6701 \div 79 = 84 \text{ remainder } 65$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6701} \end{array}$$

6636

-----

65 ← remainder

## **P<sub>865</sub> 6703**

$$6703 \div 2 = 3351 \text{ remainder } 1$$

$$\begin{array}{r} 3351 \\ 2 \overline{) 6703} \\ \underline{6702} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 3 = 2234 \text{ remainder } 1$$

$$\begin{array}{r} 2234 \\ 3 \overline{) 6703} \\ \underline{6702} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 5 = 1340 \text{ remainder } 3$$

$$\begin{array}{r} 1340 \\ 5 \overline{) 6703} \\ \underline{6700} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 7 = 957 \text{ remainder } 4$$

$$\begin{array}{r} 957 \\ 7 \overline{) 6703} \\ \underline{6699} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 11 = 609 \text{ remainder } 4$$

$$\begin{array}{r} 609 \\ 11 \overline{) 6703} \\ \underline{6699} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 13 = 515 \text{ remainder } 8$$

$$\begin{array}{r} 515 \\ 13 \overline{) 6703} \\ \underline{6695} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 17 = 394 \text{ remainder } 5$$

$$\begin{array}{r} 394 \\ 17 \overline{) 6703} \\ \underline{6698} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 19 = 352 \text{ remainder } 15$$

$$\begin{array}{r} 352 \\ 19 \overline{) 6703} \\ \underline{6688} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 23 = 291 \text{ remainder } 10$$

$$\begin{array}{r} 291 \\ 23 \overline{) 6703} \\ \underline{6693} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 29 = 231 \text{ remainder } 4$$

$$\begin{array}{r} 231 \\ 29 \overline{) 6703} \\ \underline{6699} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 31 = 216 \text{ remainder } 7$$

$$\begin{array}{r} 216 \\ 31 \overline{) 6703} \end{array}$$



$$\begin{array}{r} 6696 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 37 = 181 \text{ remainder } 6$$

$$\begin{array}{r} 181 \\ 37 \overline{) 6703} \\ \underline{6697} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 41 = 163 \text{ remainder } 20$$

$$\begin{array}{r} 163 \\ 41 \overline{) 6703} \\ \underline{6683} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 43 = 155 \text{ remainder } 38$$

$$\begin{array}{r} 155 \\ 43 \overline{) 6703} \\ \underline{6665} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 47 = 142 \text{ remainder } 29$$

$$\begin{array}{r} 142 \\ 47 \overline{) 6703} \\ \underline{6674} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 53 = 126 \text{ remainder } 25$$

$$\begin{array}{r} 126 \\ 53 \overline{) 6703} \\ \underline{6678} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 59 = 113 \text{ remainder } 36$$

$$\begin{array}{r} 113 \\ 59 \overline{) 6703} \\ \underline{6667} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 61 = 109 \text{ remainder } 54$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6703} \\ \underline{6649} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 67 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6703} \\ \underline{6700} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 71 = 94 \text{ remainder } 29$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6703} \\ \underline{6674} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 73 = 91 \text{ remainder } 60$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6703} \\ \underline{6643} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6703 \div 79 = 84 \text{ remainder } 67$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6703} \end{array}$$

6636

-----

67 ← remainder

## **P<sub>866</sub> 6709**

$$6709 \div 2 = 3354 \text{ remainder } 1$$

$$\begin{array}{r} 3354 \\ 2 \overline{) 6709} \\ \underline{6708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 3 = 2236 \text{ remainder } 1$$

$$\begin{array}{r} 2236 \\ 3 \overline{) 6709} \\ \underline{6708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 5 = 1341 \text{ remainder } 4$$

$$\begin{array}{r} 1341 \\ 5 \overline{) 6709} \\ \underline{6705} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 7 = 958 \text{ remainder } 3$$

$$\begin{array}{r} 958 \\ 7 \overline{) 6709} \\ \underline{6706} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 11 = 609 \text{ remainder } 10$$

$$\begin{array}{r} 609 \\ 11 \overline{) 6709} \\ \underline{6699} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 13 = 516 \text{ remainder } 1$$

$$\begin{array}{r} 516 \\ 13 \overline{) 6709} \\ \underline{6708} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 17 = 394 \text{ remainder } 11$$

$$\begin{array}{r} 394 \\ 17 \overline{) 6709} \\ \underline{6698} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 19 = 353 \text{ remainder } 2$$

$$\begin{array}{r} 353 \\ 19 \overline{) 6709} \\ \underline{6707} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 23 = 291 \text{ remainder } 16$$

$$\begin{array}{r} 291 \\ 23 \overline{) 6709} \\ \underline{6693} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 29 = 231 \text{ remainder } 10$$

$$\begin{array}{r} 231 \\ 29 \overline{) 6709} \\ \underline{6699} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 31 = 216 \text{ remainder } 13$$

$$\begin{array}{r} 216 \\ 31 \overline{) 6709} \end{array}$$

$$\begin{array}{r} 6696 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 37 = 181 \text{ remainder } 12$$

$$\begin{array}{r} 181 \\ 37 \overline{) 6709} \\ \underline{6697} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 41 = 163 \text{ remainder } 26$$

$$\begin{array}{r} 163 \\ 41 \overline{) 6709} \\ \underline{6683} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 43 = 156 \text{ remainder } 1$$

$$\begin{array}{r} 156 \\ 43 \overline{) 6709} \\ \underline{6708} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 47 = 142 \text{ remainder } 35$$

$$\begin{array}{r} 142 \\ 47 \overline{) 6709} \\ \underline{6674} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 53 = 126 \text{ remainder } 31$$

$$\begin{array}{r} 126 \\ 53 \overline{) 6709} \\ \underline{6678} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 59 = 113 \text{ remainder } 42$$

$$\begin{array}{r} 113 \\ 59 \overline{) 6709} \\ \underline{6667} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 61 = 109 \text{ remainder } 60$$

$$\begin{array}{r} 109 \\ 61 \overline{) 6709} \\ \underline{6649} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 67 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6709} \\ \underline{6700} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 71 = 94 \text{ remainder } 35$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6709} \\ \underline{6674} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 73 = 91 \text{ remainder } 66$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6709} \\ \underline{6643} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$6709 \div 79 = 84 \text{ remainder } 73$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6709} \end{array}$$

6636

-----

73 ← remainder



## **P<sub>867</sub> 6719**

$$6719 \div 2 = 3359 \text{ remainder } 1$$

$$\begin{array}{r} 3359 \\ 2 \overline{) 6719} \\ \underline{6718} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 3 = 2239 \text{ remainder } 2$$

$$\begin{array}{r} 2239 \\ 3 \overline{) 6719} \\ \underline{6717} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 5 = 1343 \text{ remainder } 4$$

$$\begin{array}{r} 1343 \\ 5 \overline{) 6719} \\ \underline{6715} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 7 = 959 \text{ remainder } 6$$

$$\begin{array}{r} 959 \\ 7 \overline{) 6719} \\ \underline{6713} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 11 = 610 \text{ remainder } 9$$

$$\begin{array}{r} 610 \\ 11 \overline{) 6719} \\ \underline{6710} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 13 = 516 \text{ remainder } 11$$

$$\begin{array}{r} 516 \\ 13 \overline{) 6719} \\ \underline{6708} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 17 = 395 \text{ remainder } 4$$

$$\begin{array}{r} 395 \\ 17 \overline{) 6719} \\ \underline{6715} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 19 = 353 \text{ remainder } 12$$

$$\begin{array}{r} 353 \\ 19 \overline{) 6719} \\ \underline{6707} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 23 = 292 \text{ remainder } 3$$

$$\begin{array}{r} 292 \\ 23 \overline{) 6719} \\ \underline{6716} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 29 = 231 \text{ remainder } 20$$

$$\begin{array}{r} 231 \\ 29 \overline{) 6719} \\ \underline{6699} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 31 = 216 \text{ remainder } 23$$

$$\begin{array}{r} 216 \\ 31 \overline{) 6719} \end{array}$$

$$\begin{array}{r} 6696 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6719 \div 37 = 181 \text{ remainder } 22$$

$$\begin{array}{r} 181 \\ 37 \mid \overline{6719} \\ \underline{6697} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6719 \div 41 = 163 \text{ remainder } 36$$

$$\begin{array}{r} 163 \\ 41 \mid \overline{6719} \\ \underline{6683} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6719 \div 43 = 156 \text{ remainder } 11$$

$$\begin{array}{r} 156 \\ 43 \mid \overline{6719} \\ \underline{6708} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6719 \div 47 = 142 \text{ remainder } 45$$

$$\begin{array}{r} 142 \\ 47 \mid \overline{6719} \\ \underline{6674} \\ \text{----} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6719 \div 53 = 126 \text{ remainder } 41$$

$$\begin{array}{r} 126 \\ 53 \mid \overline{6719} \\ \underline{6678} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$6719 \div 59 = 113 \text{ remainder } 52$$

$$\begin{array}{r} 113 \\ 59 \overline{) 6719} \\ \underline{6667} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 61 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 61 \overline{) 6719} \\ \underline{6710} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 67 = 100 \text{ remainder } 19$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6719} \\ \underline{6700} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 71 = 94 \text{ remainder } 45$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6719} \\ \underline{6674} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 73 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 73 \overline{) 6719} \\ \underline{6716} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6719 \div 79 = 85 \text{ remainder } 4$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6719} \end{array}$$

6715

----

4 ← remainder

## **P<sub>868</sub> 6733**

$$6733 \div 2 = 3366 \text{ remainder } 1$$

$$\begin{array}{r} 3366 \\ 2 \overline{) 6733} \\ \underline{6732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 3 = 2244 \text{ remainder } 1$$

$$\begin{array}{r} 2244 \\ 3 \overline{) 6733} \\ \underline{6732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 5 = 1346 \text{ remainder } 3$$

$$\begin{array}{r} 1346 \\ 5 \overline{) 6733} \\ \underline{6730} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 7 = 961 \text{ remainder } 6$$

$$\begin{array}{r} 961 \\ 7 \overline{) 6733} \\ \underline{6727} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 11 = 612 \text{ remainder } 1$$

$$\begin{array}{r} 612 \\ 11 \overline{) 6733} \\ \underline{6732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 13 = 517 \text{ remainder } 12$$

$$\begin{array}{r} 517 \\ 13 \overline{) 6733} \\ \underline{6721} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 17 = 396 \text{ remainder } 1$$

$$\begin{array}{r} 396 \\ 17 \overline{) 6733} \\ \underline{6732} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 19 = 354 \text{ remainder } 7$$

$$\begin{array}{r} 354 \\ 19 \overline{) 6733} \\ \underline{6726} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 23 = 292 \text{ remainder } 17$$

$$\begin{array}{r} 292 \\ 23 \overline{) 6733} \\ \underline{6716} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 29 = 232 \text{ remainder } 5$$

$$\begin{array}{r} 232 \\ 29 \overline{) 6733} \\ \underline{6728} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 31 = 217 \text{ remainder } 6$$

$$\begin{array}{r} 217 \\ 31 \overline{) 6733} \end{array}$$

$$\begin{array}{r} 6727 \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6733 \div 37 = 181 \text{ remainder } 36$$

$$\begin{array}{r} 181 \\ 37 \overline{) 6733} \\ \underline{6697} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6733 \div 41 = 164 \text{ remainder } 9$$

$$\begin{array}{r} 164 \\ 41 \overline{) 6733} \\ \underline{6724} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6733 \div 43 = 156 \text{ remainder } 25$$

$$\begin{array}{r} 156 \\ 43 \overline{) 6733} \\ \underline{6708} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6733 \div 47 = 143 \text{ remainder } 12$$

$$\begin{array}{r} 143 \\ 47 \overline{) 6733} \\ \underline{6721} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6733 \div 53 = 127 \text{ remainder } 2$$

$$\begin{array}{r} 127 \\ 53 \overline{) 6733} \\ \underline{6731} \\ 2 \leftarrow \text{remainder} \end{array}$$



$$6733 \div 59 = 114 \text{ remainder } 7$$

$$\begin{array}{r} 114 \\ 59 \overline{) 6733} \\ \underline{6726} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 61 = 110 \text{ remainder } 23$$

$$\begin{array}{r} 110 \\ 61 \overline{) 6733} \\ \underline{6710} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 67 = 100 \text{ remainder } 33$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6733} \\ \underline{6700} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 71 = 94 \text{ remainder } 59$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6733} \\ \underline{6674} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 73 = 92 \text{ remainder } 17$$

$$\begin{array}{r} 92 \\ 73 \overline{) 6733} \\ \underline{6716} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6733 \div 79 = 85 \text{ remainder } 18$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6733} \end{array}$$

6715

----

18 ← remainder

## **P<sub>869</sub> 6737**

$$6737 \div 2 = 3368 \text{ remainder } 1$$

$$\begin{array}{r} 3368 \\ 2 \overline{) 6737} \\ \underline{6736} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 3 = 2245 \text{ remainder } 2$$

$$\begin{array}{r} 2245 \\ 3 \overline{) 6737} \\ \underline{6735} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 5 = 1347 \text{ remainder } 2$$

$$\begin{array}{r} 1347 \\ 5 \overline{) 6737} \\ \underline{6735} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 7 = 962 \text{ remainder } 3$$

$$\begin{array}{r} 962 \\ 7 \overline{) 6737} \\ \underline{6734} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 11 = 612 \text{ remainder } 5$$

$$\begin{array}{r} 612 \\ 11 \overline{) 6737} \\ \underline{6732} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 13 = 518 \text{ remainder } 3$$

$$\begin{array}{r} 518 \\ 13 \overline{) 6737} \\ \underline{6734} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 17 = 396 \text{ remainder } 5$$

$$\begin{array}{r} 396 \\ 17 \overline{) 6737} \\ \underline{6732} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 19 = 354 \text{ remainder } 11$$

$$\begin{array}{r} 354 \\ 19 \overline{) 6737} \\ \underline{6726} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 23 = 292 \text{ remainder } 21$$

$$\begin{array}{r} 292 \\ 23 \overline{) 6737} \\ \underline{6716} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 29 = 232 \text{ remainder } 9$$

$$\begin{array}{r} 232 \\ 29 \overline{) 6737} \\ \underline{6728} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 31 = 217 \text{ remainder } 10$$

$$\begin{array}{r} 217 \\ 31 \overline{) 6737} \end{array}$$

$$\begin{array}{r} 6727 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$6737 \div 37 = 182 \text{ remainder } 3$$

$$\begin{array}{r} 182 \\ 37 \overline{) 6737} \\ \underline{6734} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6737 \div 41 = 164 \text{ remainder } 13$$

$$\begin{array}{r} 164 \\ 41 \overline{) 6737} \\ \underline{6724} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6737 \div 43 = 156 \text{ remainder } 29$$

$$\begin{array}{r} 156 \\ 43 \overline{) 6737} \\ \underline{6708} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6737 \div 47 = 143 \text{ remainder } 16$$

$$\begin{array}{r} 143 \\ 47 \overline{) 6737} \\ \underline{6721} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6737 \div 53 = 127 \text{ remainder } 6$$

$$\begin{array}{r} 127 \\ 53 \overline{) 6737} \\ \underline{6731} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6737 \div 59 = 114 \text{ remainder } 11$$

$$\begin{array}{r} 114 \\ 59 \overline{) 6737} \\ \underline{6726} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 61 = 110 \text{ remainder } 27$$

$$\begin{array}{r} 110 \\ 61 \overline{) 6737} \\ \underline{6710} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 67 = 100 \text{ remainder } 37$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6737} \\ \underline{6700} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 71 = 94 \text{ remainder } 63$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6737} \\ \underline{6674} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 73 = 92 \text{ remainder } 21$$

$$\begin{array}{r} 92 \\ 73 \overline{) 6737} \\ \underline{6716} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6737 \div 79 = 85 \text{ remainder } 22$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6737} \end{array}$$

6715

-----

22 ← remainder

## **P<sub>870</sub> 6761**

$$6761 \div 2 = 3380 \text{ remainder } 1$$

$$\begin{array}{r} 3380 \\ 2 \overline{) 6761} \\ \underline{6760} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 3 = 2253 \text{ remainder } 2$$

$$\begin{array}{r} 2253 \\ 3 \overline{) 6761} \\ \underline{6759} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 5 = 1352 \text{ remainder } 1$$

$$\begin{array}{r} 1352 \\ 5 \overline{) 6761} \\ \underline{6760} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 7 = 965 \text{ remainder } 6$$

$$\begin{array}{r} 965 \\ 7 \overline{) 6761} \\ \underline{6755} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 11 = 614 \text{ remainder } 7$$

$$\begin{array}{r} 614 \\ 11 \overline{) 6761} \\ \underline{6754} \\ 7 \end{array} \leftarrow \text{remainder}$$



$$6761 \div 13 = 520 \text{ remainder } 1$$

$$\begin{array}{r} 520 \\ 13 \overline{) 6761} \\ \underline{6760} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 17 = 397 \text{ remainder } 12$$

$$\begin{array}{r} 397 \\ 17 \overline{) 6761} \\ \underline{6749} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 19 = 355 \text{ remainder } 16$$

$$\begin{array}{r} 355 \\ 19 \overline{) 6761} \\ \underline{6745} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 23 = 293 \text{ remainder } 22$$

$$\begin{array}{r} 293 \\ 23 \overline{) 6761} \\ \underline{6739} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 29 = 233 \text{ remainder } 4$$

$$\begin{array}{r} 233 \\ 29 \overline{) 6761} \\ \underline{6757} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 31 = 218 \text{ remainder } 3$$

$$\begin{array}{r} 218 \\ 31 \overline{) 6761} \end{array}$$

6758

----

3 ← remainder

$6761 \div 37 = 182 \text{ remainder } 27$

182  
37 |  $\overline{6761}$   
6734

----

27 ← remainder

$6761 \div 41 = 164 \text{ remainder } 37$

164  
41 |  $\overline{6761}$   
6724

----

37 ← remainder

$6761 \div 43 = 157 \text{ remainder } 10$

157  
43 |  $\overline{6761}$   
6751

----

10 ← remainder

$6761 \div 47 = 143 \text{ remainder } 40$

143  
47 |  $\overline{6761}$   
6721

----

40 ← remainder

$6761 \div 53 = 127 \text{ remainder } 30$

127  
53 |  $\overline{6761}$   
6731

----

30 ← remainder

$$6761 \div 59 = 114 \text{ remainder } 35$$

$$\begin{array}{r} 114 \\ 59 \overline{) 6761} \\ \underline{6726} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 61 = 110 \text{ remainder } 51$$

$$\begin{array}{r} 110 \\ 61 \overline{) 6761} \\ \underline{6710} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 67 = 100 \text{ remainder } 61$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6761} \\ \underline{6700} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 71 = 95 \text{ remainder } 16$$

$$\begin{array}{r} 95 \\ 71 \overline{) 6761} \\ \underline{6745} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 73 = 92 \text{ remainder } 45$$

$$\begin{array}{r} 92 \\ 73 \overline{) 6761} \\ \underline{6716} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6761 \div 79 = 85 \text{ remainder } 46$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6761} \end{array}$$

6715

----

46 ← remainder

## **P<sub>871</sub> 6763**

$$6763 \div 2 = 3381 \text{ remainder } 1$$

$$\begin{array}{r} 3381 \\ 2 \overline{) 6763} \\ \underline{6762} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 3 = 2254 \text{ remainder } 1$$

$$\begin{array}{r} 2254 \\ 3 \overline{) 6763} \\ \underline{6762} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 5 = 1352 \text{ remainder } 3$$

$$\begin{array}{r} 1352 \\ 5 \overline{) 6763} \\ \underline{6760} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 7 = 966 \text{ remainder } 1$$

$$\begin{array}{r} 966 \\ 7 \overline{) 6763} \\ \underline{6762} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 11 = 614 \text{ remainder } 9$$

$$\begin{array}{r} 614 \\ 11 \overline{) 6763} \\ \underline{6754} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 13 = 520 \text{ remainder } 3$$

$$\begin{array}{r} 520 \\ 13 \overline{) 6763} \\ \underline{6760} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 17 = 397 \text{ remainder } 14$$

$$\begin{array}{r} 397 \\ 17 \overline{) 6763} \\ \underline{6749} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 19 = 355 \text{ remainder } 18$$

$$\begin{array}{r} 355 \\ 19 \overline{) 6763} \\ \underline{6745} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 23 = 294 \text{ remainder } 1$$

$$\begin{array}{r} 294 \\ 23 \overline{) 6763} \\ \underline{6762} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 29 = 233 \text{ remainder } 6$$

$$\begin{array}{r} 233 \\ 29 \overline{) 6763} \\ \underline{6757} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 31 = 218 \text{ remainder } 5$$

$$\begin{array}{r} 218 \\ 31 \overline{) 6763} \end{array}$$

6758

----

5 ← remainder

$$6763 \div 37 = 182 \text{ remainder } 29$$

$$\begin{array}{r} 182 \\ 37 \overline{) 6763} \\ \underline{6734} \end{array}$$

----

29 ← remainder

$$6763 \div 41 = 164 \text{ remainder } 39$$

$$\begin{array}{r} 164 \\ 41 \overline{) 6763} \\ \underline{6724} \end{array}$$

----

39 ← remainder

$$6763 \div 43 = 157 \text{ remainder } 12$$

$$\begin{array}{r} 157 \\ 43 \overline{) 6763} \\ \underline{6751} \end{array}$$

----

12 ← remainder

$$6763 \div 47 = 143 \text{ remainder } 42$$

$$\begin{array}{r} 143 \\ 47 \overline{) 6763} \\ \underline{6721} \end{array}$$

----

42 ← remainder

$$6763 \div 53 = 127 \text{ remainder } 32$$

$$\begin{array}{r} 127 \\ 53 \overline{) 6763} \\ \underline{6731} \end{array}$$

----

32 ← remainder

$$6763 \div 59 = 114 \text{ remainder } 37$$

$$\begin{array}{r} 114 \\ 59 \overline{) 6763} \\ \underline{6726} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 61 = 110 \text{ remainder } 53$$

$$\begin{array}{r} 110 \\ 61 \overline{) 6763} \\ \underline{6710} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 67 = 100 \text{ remainder } 63$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6763} \\ \underline{6700} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 71 = 95 \text{ remainder } 18$$

$$\begin{array}{r} 95 \\ 71 \overline{) 6763} \\ \underline{6745} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 73 = 92 \text{ remainder } 47$$

$$\begin{array}{r} 92 \\ 73 \overline{) 6763} \\ \underline{6716} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$6763 \div 79 = 85 \text{ remainder } 48$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6763} \end{array}$$



6715

-----

48 ← remainder

## **P<sub>872</sub> 6779**

$$6779 \div 2 = 3389 \text{ remainder } 1$$

$$\begin{array}{r} 3389 \\ 2 \overline{) 6779} \\ \underline{6778} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 3 = 2259 \text{ remainder } 2$$

$$\begin{array}{r} 2259 \\ 3 \overline{) 6779} \\ \underline{6777} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 5 = 1355 \text{ remainder } 4$$

$$\begin{array}{r} 1355 \\ 5 \overline{) 6779} \\ \underline{6775} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 7 = 968 \text{ remainder } 3$$

$$\begin{array}{r} 968 \\ 7 \overline{) 6779} \\ \underline{6776} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 11 = 616 \text{ remainder } 3$$

$$\begin{array}{r} 616 \\ 11 \overline{) 6779} \\ \underline{6776} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 13 = 521 \text{ remainder } 6$$

$$\begin{array}{r} 521 \\ 13 \overline{) 6779} \\ \underline{6773} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 17 = 398 \text{ remainder } 13$$

$$\begin{array}{r} 398 \\ 17 \overline{) 6779} \\ \underline{6766} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 19 = 356 \text{ remainder } 15$$

$$\begin{array}{r} 356 \\ 19 \overline{) 6779} \\ \underline{6764} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 23 = 294 \text{ remainder } 17$$

$$\begin{array}{r} 294 \\ 23 \overline{) 6779} \\ \underline{6762} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 29 = 233 \text{ remainder } 22$$

$$\begin{array}{r} 233 \\ 29 \overline{) 6779} \\ \underline{6757} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 31 = 218 \text{ remainder } 21$$

$$\begin{array}{r} 218 \\ 31 \overline{) 6779} \end{array}$$

6758  
 ----  
 21 ← remainder

$$6779 \div 37 = 183 \text{ remainder } 8$$

37 |  $\overline{) 6779}$   
 183  
 6771  
 ----  
 8 ← remainder

$$6779 \div 41 = 165 \text{ remainder } 14$$

41 |  $\overline{) 6779}$   
 165  
 6765  
 ----  
 14 ← remainder

$$6779 \div 43 = 157 \text{ remainder } 28$$

43 |  $\overline{) 6779}$   
 157  
 6751  
 ----  
 28 ← remainder

$$6779 \div 47 = 144 \text{ remainder } 11$$

47 |  $\overline{) 6779}$   
 144  
 6768  
 ----  
 11 ← remainder

$$6779 \div 53 = 127 \text{ remainder } 48$$

53 |  $\overline{) 6779}$   
 127  
 6731  
 ----  
 48 ← remainder

$$6779 \div 59 = 114 \text{ remainder } 53$$

$$\begin{array}{r} 114 \\ 59 \overline{) 6779} \\ \underline{6726} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 61 = 111 \text{ remainder } 8$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6779} \\ \underline{6771} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 67 = 101 \text{ remainder } 12$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6779} \\ \underline{6767} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 71 = 95 \text{ remainder } 34$$

$$\begin{array}{r} 95 \\ 71 \overline{) 6779} \\ \underline{6745} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 73 = 92 \text{ remainder } 63$$

$$\begin{array}{r} 92 \\ 73 \overline{) 6779} \\ \underline{6716} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$6779 \div 79 = 85 \text{ remainder } 64$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6779} \end{array}$$

6715

----

64 ← remainder

## **P<sub>873</sub> 6781**

$$6781 \div 2 = 3390 \text{ remainder } 1$$

$$\begin{array}{r} 3390 \\ 2 \overline{) 6781} \\ \underline{6780} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 3 = 2260 \text{ remainder } 1$$

$$\begin{array}{r} 2260 \\ 3 \overline{) 6781} \\ \underline{6780} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 5 = 1356 \text{ remainder } 1$$

$$\begin{array}{r} 1356 \\ 5 \overline{) 6781} \\ \underline{6780} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 7 = 968 \text{ remainder } 5$$

$$\begin{array}{r} 968 \\ 7 \overline{) 6781} \\ \underline{6776} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 11 = 616 \text{ remainder } 5$$

$$\begin{array}{r} 616 \\ 11 \overline{) 6781} \\ \underline{6776} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 13 = 521 \text{ remainder } 8$$

$$\begin{array}{r} 521 \\ 13 \overline{) 6781} \\ \underline{6773} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 17 = 398 \text{ remainder } 15$$

$$\begin{array}{r} 398 \\ 17 \overline{) 6781} \\ \underline{6766} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 19 = 356 \text{ remainder } 17$$

$$\begin{array}{r} 356 \\ 19 \overline{) 6781} \\ \underline{6764} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 23 = 294 \text{ remainder } 19$$

$$\begin{array}{r} 294 \\ 23 \overline{) 6781} \\ \underline{6762} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 29 = 233 \text{ remainder } 24$$

$$\begin{array}{r} 233 \\ 29 \overline{) 6781} \\ \underline{6757} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 31 = 218 \text{ remainder } 23$$

$$\begin{array}{r} 218 \\ 31 \overline{) 6781} \end{array}$$



6758  
 ----  
 23 ← remainder

$$6781 \div 37 = 183 \text{ remainder } 10$$

183  
 37 | 6781  
 6771  
 ----  
 10 ← remainder

$$6781 \div 41 = 165 \text{ remainder } 16$$

165  
 41 | 6781  
 6765  
 ----  
 16 ← remainder

$$6781 \div 43 = 157 \text{ remainder } 30$$

157  
 43 | 6781  
 6751  
 ----  
 30 ← remainder

$$6781 \div 47 = 144 \text{ remainder } 13$$

144  
 47 | 6781  
 6768  
 ----  
 13 ← remainder

$$6781 \div 53 = 127 \text{ remainder } 50$$

127  
 53 | 6781  
 6731  
 ----  
 50 ← remainder

$$6781 \div 59 = 114 \text{ remainder } 55$$

$$\begin{array}{r} 114 \\ 59 \overline{) 6781} \\ \underline{6726} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 61 = 111 \text{ remainder } 10$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6781} \\ \underline{6771} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 67 = 101 \text{ remainder } 14$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6781} \\ \underline{6767} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 71 = 95 \text{ remainder } 36$$

$$\begin{array}{r} 95 \\ 71 \overline{) 6781} \\ \underline{6745} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 73 = 92 \text{ remainder } 65$$

$$\begin{array}{r} 92 \\ 73 \overline{) 6781} \\ \underline{6716} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$6781 \div 79 = 85 \text{ remainder } 66$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6781} \end{array}$$

6715

-----

66 ← remainder

## **P<sub>874</sub> 6791**

$$6791 \div 2 = 3395 \text{ remainder } 1$$

$$\begin{array}{r} 3395 \\ 2 \overline{) 6791} \\ \underline{6790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 3 = 2263 \text{ remainder } 2$$

$$\begin{array}{r} 2263 \\ 3 \overline{) 6791} \\ \underline{6789} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 5 = 1358 \text{ remainder } 1$$

$$\begin{array}{r} 1358 \\ 5 \overline{) 6791} \\ \underline{6790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 7 = 970 \text{ remainder } 1$$

$$\begin{array}{r} 970 \\ 7 \overline{) 6791} \\ \underline{6790} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 11 = 617 \text{ remainder } 4$$

$$\begin{array}{r} 617 \\ 11 \overline{) 6791} \\ \underline{6787} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 13 = 522 \text{ remainder } 5$$

$$\begin{array}{r} 522 \\ 13 \overline{) 6791} \\ \underline{6786} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 17 = 399 \text{ remainder } 8$$

$$\begin{array}{r} 399 \\ 17 \overline{) 6791} \\ \underline{6783} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 19 = 357 \text{ remainder } 8$$

$$\begin{array}{r} 357 \\ 19 \overline{) 6791} \\ \underline{6783} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 23 = 295 \text{ remainder } 6$$

$$\begin{array}{r} 295 \\ 23 \overline{) 6791} \\ \underline{6785} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 29 = 234 \text{ remainder } 5$$

$$\begin{array}{r} 234 \\ 29 \overline{) 6791} \\ \underline{6786} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 31 = 219 \text{ remainder } 2$$

$$\begin{array}{r} 219 \\ 31 \overline{) 6791} \end{array}$$

6789

----

2 ← remainder

$$6791 \div 37 = 183 \text{ remainder } 20$$

$$\begin{array}{r} 183 \\ 37 \overline{) 6791} \\ \underline{6771} \end{array}$$

----

20 ← remainder

$$6791 \div 41 = 165 \text{ remainder } 26$$

$$\begin{array}{r} 165 \\ 41 \overline{) 6791} \\ \underline{6765} \end{array}$$

----

26 ← remainder

$$6791 \div 43 = 157 \text{ remainder } 40$$

$$\begin{array}{r} 157 \\ 43 \overline{) 6791} \\ \underline{6751} \end{array}$$

----

40 ← remainder

$$6791 \div 47 = 144 \text{ remainder } 23$$

$$\begin{array}{r} 144 \\ 47 \overline{) 6791} \\ \underline{6768} \end{array}$$

----

23 ← remainder

$$6791 \div 53 = 128 \text{ remainder } 7$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6791} \\ \underline{6784} \end{array}$$

----

7 ← remainder

$$6791 \div 59 = 115 \text{ remainder } 6$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6791} \\ \underline{6785} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 61 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6791} \\ \underline{6771} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 67 = 101 \text{ remainder } 24$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6791} \\ \underline{6767} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 71 = 95 \text{ remainder } 46$$

$$\begin{array}{r} 95 \\ 71 \overline{) 6791} \\ \underline{6745} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 73 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6791} \\ \underline{6789} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6791 \div 79 = 85 \text{ remainder } 76$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6791} \end{array}$$

6715

-----

76 ← remainder



## **P<sub>875</sub> 6793**

$$6793 \div 2 = 3396 \text{ remainder } 1$$

$$\begin{array}{r} 3396 \\ 2 \overline{) 6793} \\ \underline{6792} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 3 = 2264 \text{ remainder } 1$$

$$\begin{array}{r} 2264 \\ 3 \overline{) 6793} \\ \underline{6792} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 5 = 1358 \text{ remainder } 3$$

$$\begin{array}{r} 1358 \\ 5 \overline{) 6793} \\ \underline{6790} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 7 = 970 \text{ remainder } 3$$

$$\begin{array}{r} 970 \\ 7 \overline{) 6793} \\ \underline{6790} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 11 = 617 \text{ remainder } 6$$

$$\begin{array}{r} 617 \\ 11 \overline{) 6793} \\ \underline{6787} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 13 = 522 \text{ remainder } 7$$

$$\begin{array}{r} 522 \\ 13 \overline{) 6793} \\ \underline{6786} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 17 = 399 \text{ remainder } 10$$

$$\begin{array}{r} 399 \\ 17 \overline{) 6793} \\ \underline{6783} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 19 = 357 \text{ remainder } 10$$

$$\begin{array}{r} 357 \\ 19 \overline{) 6793} \\ \underline{6783} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 23 = 295 \text{ remainder } 8$$

$$\begin{array}{r} 295 \\ 23 \overline{) 6793} \\ \underline{6785} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 29 = 234 \text{ remainder } 7$$

$$\begin{array}{r} 234 \\ 29 \overline{) 6793} \\ \underline{6786} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 31 = 219 \text{ remainder } 4$$

$$\begin{array}{r} 219 \\ 31 \overline{) 6793} \end{array}$$

6789

----

4 ← remainder

$$6793 \div 37 = 183 \text{ remainder } 22$$

$$\begin{array}{r} 183 \\ 37 \overline{) 6793} \\ \underline{6771} \end{array}$$

----

22 ← remainder

$$6793 \div 41 = 165 \text{ remainder } 28$$

$$\begin{array}{r} 165 \\ 41 \overline{) 6793} \\ \underline{6765} \end{array}$$

----

28 ← remainder

$$6793 \div 43 = 157 \text{ remainder } 42$$

$$\begin{array}{r} 157 \\ 43 \overline{) 6793} \\ \underline{6751} \end{array}$$

----

42 ← remainder

$$6793 \div 47 = 144 \text{ remainder } 25$$

$$\begin{array}{r} 144 \\ 47 \overline{) 6793} \\ \underline{6768} \end{array}$$

----

25 ← remainder

$$6793 \div 53 = 128 \text{ remainder } 9$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6793} \\ \underline{6784} \end{array}$$

----

9 ← remainder

$$6793 \div 59 = 115 \text{ remainder } 8$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6793} \\ \underline{6785} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 61 = 111 \text{ remainder } 22$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6793} \\ \underline{6771} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 67 = 101 \text{ remainder } 26$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6793} \\ \underline{6767} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 71 = 95 \text{ remainder } 48$$

$$\begin{array}{r} 95 \\ 71 \overline{) 6793} \\ \underline{6745} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 73 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6793} \\ \underline{6789} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6793 \div 79 = 85 \text{ remainder } 78$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6793} \end{array}$$

6715

-----

78 ← remainder

## **P<sub>876</sub> 6803**

$$6803 \div 2 = 3401 \text{ remainder } 1$$

$$\begin{array}{r} 3401 \\ 2 \overline{) 6803} \\ \underline{6802} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 3 = 2267 \text{ remainder } 2$$

$$\begin{array}{r} 2267 \\ 3 \overline{) 6803} \\ \underline{6801} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 5 = 1360 \text{ remainder } 3$$

$$\begin{array}{r} 1360 \\ 5 \overline{) 6803} \\ \underline{6800} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 7 = 971 \text{ remainder } 6$$

$$\begin{array}{r} 971 \\ 7 \overline{) 6803} \\ \underline{6797} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 11 = 618 \text{ remainder } 5$$

$$\begin{array}{r} 618 \\ 11 \overline{) 6803} \\ \underline{6798} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 13 = 523 \text{ remainder } 4$$

$$\begin{array}{r} 523 \\ 13 \overline{) 6803} \\ \underline{6799} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 17 = 400 \text{ remainder } 3$$

$$\begin{array}{r} 400 \\ 17 \overline{) 6803} \\ \underline{6800} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 19 = 358 \text{ remainder } 1$$

$$\begin{array}{r} 358 \\ 19 \overline{) 6803} \\ \underline{6802} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 23 = 295 \text{ remainder } 18$$

$$\begin{array}{r} 295 \\ 23 \overline{) 6803} \\ \underline{6785} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 29 = 234 \text{ remainder } 17$$

$$\begin{array}{r} 234 \\ 29 \overline{) 6803} \\ \underline{6786} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 31 = 219 \text{ remainder } 14$$

$$\begin{array}{r} 219 \\ 31 \overline{) 6803} \end{array}$$

6789

----

14 ← remainder

$$6803 \div 37 = 183 \text{ remainder } 32$$

$$\begin{array}{r} 183 \\ 37 \overline{) 6803} \\ \underline{6771} \end{array}$$

----

32 ← remainder

$$6803 \div 41 = 165 \text{ remainder } 38$$

$$\begin{array}{r} 165 \\ 41 \overline{) 6803} \\ \underline{6765} \end{array}$$

----

38 ← remainder

$$6803 \div 43 = 158 \text{ remainder } 9$$

$$\begin{array}{r} 158 \\ 43 \overline{) 6803} \\ \underline{6794} \end{array}$$

----

9 ← remainder

$$6803 \div 47 = 144 \text{ remainder } 35$$

$$\begin{array}{r} 144 \\ 47 \overline{) 6803} \\ \underline{6768} \end{array}$$

----

35 ← remainder

$$6803 \div 53 = 128 \text{ remainder } 19$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6803} \\ \underline{6784} \end{array}$$

----

19 ← remainder



$$6803 \div 59 = 115 \text{ remainder } 18$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6803} \\ \underline{6785} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 61 = 111 \text{ remainder } 32$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6803} \\ \underline{6771} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 67 = 101 \text{ remainder } 36$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6803} \\ \underline{6767} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 71 = 95 \text{ remainder } 58$$

$$\begin{array}{r} 95 \\ 71 \overline{) 6803} \\ \underline{6745} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 73 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6803} \\ \underline{6789} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6803 \div 79 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6803} \end{array}$$

6794

----

9 ← remainder

## **P<sub>877</sub> 6823**

$$6823 \div 2 = 3411 \text{ remainder } 1$$

$$\begin{array}{r} 3411 \\ 2 \overline{) 6823} \\ \underline{6822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 3 = 2274 \text{ remainder } 1$$

$$\begin{array}{r} 2274 \\ 3 \overline{) 6823} \\ \underline{6822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 5 = 1364 \text{ remainder } 3$$

$$\begin{array}{r} 1364 \\ 5 \overline{) 6823} \\ \underline{6820} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 7 = 974 \text{ remainder } 5$$

$$\begin{array}{r} 974 \\ 7 \overline{) 6823} \\ \underline{6818} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 11 = 620 \text{ remainder } 3$$

$$\begin{array}{r} 620 \\ 11 \overline{) 6823} \\ \underline{6820} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 13 = 524 \text{ remainder } 11$$

$$\begin{array}{r} 524 \\ 13 \overline{) 6823} \\ \underline{6812} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 17 = 401 \text{ remainder } 6$$

$$\begin{array}{r} 401 \\ 17 \overline{) 6823} \\ \underline{6817} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 19 = 359 \text{ remainder } 2$$

$$\begin{array}{r} 359 \\ 19 \overline{) 6823} \\ \underline{6821} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 23 = 296 \text{ remainder } 15$$

$$\begin{array}{r} 296 \\ 23 \overline{) 6823} \\ \underline{6808} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 29 = 235 \text{ remainder } 8$$

$$\begin{array}{r} 235 \\ 29 \overline{) 6823} \\ \underline{6815} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 31 = 220 \text{ remainder } 3$$

$$\begin{array}{r} 220 \\ 31 \overline{) 6823} \end{array}$$

6820

----

3 ← remainder

$$6823 \div 37 = 184 \text{ remainder } 15$$

184  
37 | 6823  
6808

----

15 ← remainder

$$6823 \div 41 = 166 \text{ remainder } 17$$

166  
41 | 6823  
6806

----

17 ← remainder

$$6823 \div 43 = 158 \text{ remainder } 29$$

158  
43 | 6823  
6794

----

29 ← remainder

$$6823 \div 47 = 145 \text{ remainder } 8$$

145  
47 | 6823  
6815

----

8 ← remainder

$$6823 \div 53 = 128 \text{ remainder } 39$$

128  
53 | 6823  
6784

----

39 ← remainder

$$6823 \div 59 = 115 \text{ remainder } 38$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6823} \\ \underline{6785} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 61 = 111 \text{ remainder } 52$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6823} \\ \underline{6771} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 67 = 101 \text{ remainder } 56$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6823} \\ \underline{6767} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 71 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6823} \\ \underline{6816} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 73 = 93 \text{ remainder } 34$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6823} \\ \underline{6789} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$6823 \div 79 = 86 \text{ remainder } 29$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6823} \end{array}$$

6794

-----

29 ← remainder

## **P<sub>878</sub> 6827**

$$6827 \div 2 = 3413 \text{ remainder } 1$$

$$\begin{array}{r} 3413 \\ 2 \overline{) 6827} \\ \underline{6826} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 3 = 2275 \text{ remainder } 2$$

$$\begin{array}{r} 2275 \\ 3 \overline{) 6827} \\ \underline{6825} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 5 = 1365 \text{ remainder } 2$$

$$\begin{array}{r} 1365 \\ 5 \overline{) 6827} \\ \underline{6825} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 7 = 975 \text{ remainder } 2$$

$$\begin{array}{r} 975 \\ 7 \overline{) 6827} \\ \underline{6825} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 11 = 620 \text{ remainder } 7$$

$$\begin{array}{r} 620 \\ 11 \overline{) 6827} \\ \underline{6820} \\ 7 \end{array} \leftarrow \text{remainder}$$



$$6827 \div 13 = 525 \text{ remainder } 2$$

$$\begin{array}{r} 525 \\ 13 \overline{) 6827} \\ \underline{6825} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 17 = 401 \text{ remainder } 10$$

$$\begin{array}{r} 401 \\ 17 \overline{) 6827} \\ \underline{6817} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 19 = 359 \text{ remainder } 6$$

$$\begin{array}{r} 359 \\ 19 \overline{) 6827} \\ \underline{6821} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 23 = 296 \text{ remainder } 19$$

$$\begin{array}{r} 296 \\ 23 \overline{) 6827} \\ \underline{6808} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 29 = 235 \text{ remainder } 12$$

$$\begin{array}{r} 235 \\ 29 \overline{) 6827} \\ \underline{6815} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 31 = 220 \text{ remainder } 7$$

$$\begin{array}{r} 220 \\ 31 \overline{) 6827} \end{array}$$

$$\begin{array}{r} 6820 \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6827 \div 37 = 184 \text{ remainder } 19$$

$$\begin{array}{r} 184 \\ 37 \overline{) 6827} \\ \underline{6808} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6827 \div 41 = 166 \text{ remainder } 21$$

$$\begin{array}{r} 166 \\ 41 \overline{) 6827} \\ \underline{6806} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6827 \div 43 = 158 \text{ remainder } 33$$

$$\begin{array}{r} 158 \\ 43 \overline{) 6827} \\ \underline{6794} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6827 \div 47 = 145 \text{ remainder } 12$$

$$\begin{array}{r} 145 \\ 47 \overline{) 6827} \\ \underline{6815} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6827 \div 53 = 128 \text{ remainder } 43$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6827} \\ \underline{6784} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$6827 \div 59 = 115 \text{ remainder } 42$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6827} \\ \underline{6785} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 61 = 111 \text{ remainder } 56$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6827} \\ \underline{6771} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 67 = 101 \text{ remainder } 60$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6827} \\ \underline{6767} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 71 = 96 \text{ remainder } 11$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6827} \\ \underline{6816} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 73 = 93 \text{ remainder } 38$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6827} \\ \underline{6789} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$6827 \div 79 = 86 \text{ remainder } 33$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6827} \end{array}$$

6794

----

33 ← remainder

## **P<sub>879</sub> 6829**

$$6829 \div 2 = 3414 \text{ remainder } 1$$

$$\begin{array}{r} 3414 \\ 2 \overline{) 6829} \\ \underline{6828} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 3 = 2276 \text{ remainder } 1$$

$$\begin{array}{r} 2276 \\ 3 \overline{) 6829} \\ \underline{6828} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 5 = 1365 \text{ remainder } 4$$

$$\begin{array}{r} 1365 \\ 5 \overline{) 6829} \\ \underline{6825} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 7 = 975 \text{ remainder } 4$$

$$\begin{array}{r} 975 \\ 7 \overline{) 6829} \\ \underline{6825} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 11 = 620 \text{ remainder } 9$$

$$\begin{array}{r} 620 \\ 11 \overline{) 6829} \\ \underline{6820} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 13 = 525 \text{ remainder } 4$$

$$\begin{array}{r} 525 \\ 13 \overline{) 6829} \\ \underline{6825} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 17 = 401 \text{ remainder } 12$$

$$\begin{array}{r} 401 \\ 17 \overline{) 6829} \\ \underline{6817} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 19 = 359 \text{ remainder } 8$$

$$\begin{array}{r} 359 \\ 19 \overline{) 6829} \\ \underline{6821} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 23 = 296 \text{ remainder } 21$$

$$\begin{array}{r} 296 \\ 23 \overline{) 6829} \\ \underline{6808} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 29 = 235 \text{ remainder } 14$$

$$\begin{array}{r} 235 \\ 29 \overline{) 6829} \\ \underline{6815} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 31 = 220 \text{ remainder } 9$$

$$\begin{array}{r} 220 \\ 31 \overline{) 6829} \end{array}$$

$$\begin{array}{r} 6820 \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6829 \div 37 = 184 \text{ remainder } 21$$

$$\begin{array}{r} 184 \\ 37 \overline{) 6829} \\ \underline{6808} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6829 \div 41 = 166 \text{ remainder } 23$$

$$\begin{array}{r} 166 \\ 41 \overline{) 6829} \\ \underline{6806} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6829 \div 43 = 158 \text{ remainder } 35$$

$$\begin{array}{r} 158 \\ 43 \overline{) 6829} \\ \underline{6794} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6829 \div 47 = 145 \text{ remainder } 14$$

$$\begin{array}{r} 145 \\ 47 \overline{) 6829} \\ \underline{6815} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$6829 \div 53 = 128 \text{ remainder } 45$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6829} \\ \underline{6784} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6829 \div 59 = 115 \text{ remainder } 44$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6829} \\ \underline{6785} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 61 = 111 \text{ remainder } 58$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6829} \\ \underline{6771} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 67 = 101 \text{ remainder } 62$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6829} \\ \underline{6767} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 71 = 96 \text{ remainder } 13$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6829} \\ \underline{6816} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 73 = 93 \text{ remainder } 40$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6829} \\ \underline{6789} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$6829 \div 79 = 86 \text{ remainder } 35$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6829} \end{array}$$



6794

-----

35 ← remainder

## **P<sub>880</sub> 6833**

$$6833 \div 2 = 3416 \text{ remainder } 1$$

$$\begin{array}{r} 3416 \\ 2 \overline{) 6833} \\ \underline{6832} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 3 = 2277 \text{ remainder } 2$$

$$\begin{array}{r} 2277 \\ 3 \overline{) 6833} \\ \underline{6831} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 5 = 1366 \text{ remainder } 3$$

$$\begin{array}{r} 1366 \\ 5 \overline{) 6833} \\ \underline{6830} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 7 = 976 \text{ remainder } 1$$

$$\begin{array}{r} 976 \\ 7 \overline{) 6833} \\ \underline{6832} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 11 = 621 \text{ remainder } 2$$

$$\begin{array}{r} 621 \\ 11 \overline{) 6833} \\ \underline{6831} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 13 = 525 \text{ remainder } 8$$

$$\begin{array}{r} 525 \\ 13 \overline{) 6833} \\ \underline{6825} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 17 = 401 \text{ remainder } 16$$

$$\begin{array}{r} 401 \\ 17 \overline{) 6833} \\ \underline{6817} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 19 = 359 \text{ remainder } 12$$

$$\begin{array}{r} 359 \\ 19 \overline{) 6833} \\ \underline{6821} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 23 = 297 \text{ remainder } 2$$

$$\begin{array}{r} 297 \\ 23 \overline{) 6833} \\ \underline{6831} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 29 = 235 \text{ remainder } 18$$

$$\begin{array}{r} 235 \\ 29 \overline{) 6833} \\ \underline{6815} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 31 = 220 \text{ remainder } 13$$

$$\begin{array}{r} 220 \\ 31 \overline{) 6833} \end{array}$$

$$\begin{array}{r} 6820 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6833 \div 37 = 184 \text{ remainder } 25$$

$$\begin{array}{r} 184 \\ 37 \overline{) 6833} \\ \underline{6808} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6833 \div 41 = 166 \text{ remainder } 27$$

$$\begin{array}{r} 166 \\ 41 \overline{) 6833} \\ \underline{6806} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6833 \div 43 = 158 \text{ remainder } 39$$

$$\begin{array}{r} 158 \\ 43 \overline{) 6833} \\ \underline{6794} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6833 \div 47 = 145 \text{ remainder } 18$$

$$\begin{array}{r} 145 \\ 47 \overline{) 6833} \\ \underline{6815} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6833 \div 53 = 128 \text{ remainder } 49$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6833} \\ \underline{6784} \\ \text{----} \\ 49 \leftarrow \text{remainder} \end{array}$$

$$6833 \div 59 = 115 \text{ remainder } 48$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6833} \\ \underline{6785} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 61 = 112 \text{ remainder } 1$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6833} \\ \underline{6832} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 67 = 101 \text{ remainder } 66$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6833} \\ \underline{6767} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 71 = 96 \text{ remainder } 17$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6833} \\ \underline{6816} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 73 = 93 \text{ remainder } 44$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6833} \\ \underline{6789} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$6833 \div 79 = 86 \text{ remainder } 39$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6833} \end{array}$$

6794

----

39 ← remainder

## **P<sub>881</sub> 6841**

$$6841 \div 2 = 3420 \text{ remainder } 1$$

$$\begin{array}{r} 3420 \\ 2 \overline{) 6841} \\ \underline{6840} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 3 = 2280 \text{ remainder } 1$$

$$\begin{array}{r} 2280 \\ 3 \overline{) 6841} \\ \underline{6840} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 5 = 1368 \text{ remainder } 1$$

$$\begin{array}{r} 1368 \\ 5 \overline{) 6841} \\ \underline{6840} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 7 = 977 \text{ remainder } 2$$

$$\begin{array}{r} 977 \\ 7 \overline{) 6841} \\ \underline{6839} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 11 = 621 \text{ remainder } 10$$

$$\begin{array}{r} 621 \\ 11 \overline{) 6841} \\ \underline{6831} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 13 = 526 \text{ remainder } 3$$

$$\begin{array}{r} 526 \\ 13 \overline{) 6841} \\ \underline{6838} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 17 = 402 \text{ remainder } 7$$

$$\begin{array}{r} 402 \\ 17 \overline{) 6841} \\ \underline{6834} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 19 = 360 \text{ remainder } 1$$

$$\begin{array}{r} 360 \\ 19 \overline{) 6841} \\ \underline{6840} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 23 = 297 \text{ remainder } 10$$

$$\begin{array}{r} 297 \\ 23 \overline{) 6841} \\ \underline{6831} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 29 = 235 \text{ remainder } 26$$

$$\begin{array}{r} 235 \\ 29 \overline{) 6841} \\ \underline{6815} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 31 = 220 \text{ remainder } 21$$

$$\begin{array}{r} 220 \\ 31 \overline{) 6841} \end{array}$$



```

6820
----
21  ← remainder

```

$$6841 \div 37 = 184 \text{ remainder } 33$$

```

      184
37 | 6841
    6808
    ----
      33  ← remainder

```

$$6841 \div 41 = 166 \text{ remainder } 35$$

```

      166
41 | 6841
    6806
    ----
      35  ← remainder

```

$$6841 \div 43 = 159 \text{ remainder } 4$$

```

      159
43 | 6841
    6837
    ----
       4  ← remainder

```

$$6841 \div 47 = 145 \text{ remainder } 26$$

```

      145
47 | 6841
    6815
    ----
      26  ← remainder

```

$$6841 \div 53 = 129 \text{ remainder } 4$$

```

      129
53 | 6841
    6837
    ----
       4  ← remainder

```

$$6841 \div 59 = 115 \text{ remainder } 56$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6841} \\ \underline{6785} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 61 = 112 \text{ remainder } 9$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6841} \\ \underline{6832} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 67 = 102 \text{ remainder } 7$$

$$\begin{array}{r} 102 \\ 67 \overline{) 6841} \\ \underline{6834} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 71 = 96 \text{ remainder } 25$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6841} \\ \underline{6816} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 73 = 93 \text{ remainder } 52$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6841} \\ \underline{6789} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$6841 \div 79 = 86 \text{ remainder } 47$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6841} \end{array}$$

6794

-----

47 ← remainder

## **P<sub>882</sub> 6857**

$$6857 \div 2 = 3428 \text{ remainder } 1$$

$$\begin{array}{r} 3428 \\ 2 \overline{) 6857} \\ \underline{6856} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 3 = 2285 \text{ remainder } 2$$

$$\begin{array}{r} 2285 \\ 3 \overline{) 6857} \\ \underline{6855} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 5 = 1371 \text{ remainder } 2$$

$$\begin{array}{r} 1371 \\ 5 \overline{) 6857} \\ \underline{6855} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 7 = 979 \text{ remainder } 4$$

$$\begin{array}{r} 979 \\ 7 \overline{) 6857} \\ \underline{6853} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 11 = 623 \text{ remainder } 4$$

$$\begin{array}{r} 623 \\ 11 \overline{) 6857} \\ \underline{6853} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 13 = 527 \text{ remainder } 6$$

$$\begin{array}{r} 527 \\ 13 \overline{) 6857} \\ \underline{6851} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6857 \div 17 = 403 \text{ remainder } 6$$

$$\begin{array}{r} 403 \\ 17 \overline{) 6857} \\ \underline{6851} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6857 \div 19 = 360 \text{ remainder } 17$$

$$\begin{array}{r} 360 \\ 19 \overline{) 6857} \\ \underline{6840} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6857 \div 23 = 298 \text{ remainder } 3$$

$$\begin{array}{r} 298 \\ 23 \overline{) 6857} \\ \underline{6854} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6857 \div 29 = 236 \text{ remainder } 13$$

$$\begin{array}{r} 236 \\ 29 \overline{) 6857} \\ \underline{6844} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6857 \div 31 = 221 \text{ remainder } 6$$

$$\begin{array}{r} 221 \\ 31 \overline{) 6857} \end{array}$$

$$\begin{array}{r} 6851 \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$6857 \div 37 = 185 \text{ remainder } 12$$

$$\begin{array}{r} 185 \\ 37 \overline{) 6857} \\ \underline{6845} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6857 \div 41 = 167 \text{ remainder } 10$$

$$\begin{array}{r} 167 \\ 41 \overline{) 6857} \\ \underline{6847} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$6857 \div 43 = 159 \text{ remainder } 20$$

$$\begin{array}{r} 159 \\ 43 \overline{) 6857} \\ \underline{6837} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6857 \div 47 = 145 \text{ remainder } 42$$

$$\begin{array}{r} 145 \\ 47 \overline{) 6857} \\ \underline{6815} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$6857 \div 53 = 129 \text{ remainder } 20$$

$$\begin{array}{r} 129 \\ 53 \overline{) 6857} \\ \underline{6837} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6857 \div 59 = 116 \text{ remainder } 13$$

$$\begin{array}{r} 116 \\ 59 \overline{) 6857} \\ \underline{6844} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 61 = 112 \text{ remainder } 25$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6857} \\ \underline{6832} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 67 = 102 \text{ remainder } 23$$

$$\begin{array}{r} 102 \\ 67 \overline{) 6857} \\ \underline{6834} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 71 = 96 \text{ remainder } 41$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6857} \\ \underline{6816} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 73 = 93 \text{ remainder } 68$$

$$\begin{array}{r} 93 \\ 73 \overline{) 6857} \\ \underline{6789} \\ 68 \end{array} \leftarrow \text{remainder}$$

$$6857 \div 79 = 86 \text{ remainder } 63$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6857} \end{array}$$

6794

----

63 ← remainder



## **P<sub>883</sub> 6863**

$$6863 \div 2 = 3431 \text{ remainder } 1$$

$$\begin{array}{r} 3431 \\ 2 \overline{) 6863} \\ \underline{6862} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 3 = 2287 \text{ remainder } 2$$

$$\begin{array}{r} 2287 \\ 3 \overline{) 6863} \\ \underline{6861} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 5 = 1372 \text{ remainder } 3$$

$$\begin{array}{r} 1372 \\ 5 \overline{) 6863} \\ \underline{6860} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 7 = 980 \text{ remainder } 3$$

$$\begin{array}{r} 980 \\ 7 \overline{) 6863} \\ \underline{6860} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 11 = 623 \text{ remainder } 10$$

$$\begin{array}{r} 623 \\ 11 \overline{) 6863} \\ \underline{6853} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 13 = 527 \text{ remainder } 12$$

$$\begin{array}{r} 527 \\ 13 \overline{) 6863} \\ \underline{6851} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 17 = 403 \text{ remainder } 12$$

$$\begin{array}{r} 403 \\ 17 \overline{) 6863} \\ \underline{6851} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 19 = 361 \text{ remainder } 4$$

$$\begin{array}{r} 361 \\ 19 \overline{) 6863} \\ \underline{6859} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 23 = 298 \text{ remainder } 9$$

$$\begin{array}{r} 298 \\ 23 \overline{) 6863} \\ \underline{6854} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 29 = 236 \text{ remainder } 19$$

$$\begin{array}{r} 236 \\ 29 \overline{) 6863} \\ \underline{6844} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 31 = 221 \text{ remainder } 12$$

$$\begin{array}{r} 221 \\ 31 \overline{) 6863} \end{array}$$

6851

----

12 ← remainder

$$6863 \div 37 = 185 \text{ remainder } 18$$

$$\begin{array}{r} 185 \\ 37 \overline{) 6863} \\ \underline{6845} \end{array}$$

----

18 ← remainder

$$6863 \div 41 = 167 \text{ remainder } 16$$

$$\begin{array}{r} 167 \\ 41 \overline{) 6863} \\ \underline{6847} \end{array}$$

----

16 ← remainder

$$6863 \div 43 = 159 \text{ remainder } 26$$

$$\begin{array}{r} 159 \\ 43 \overline{) 6863} \\ \underline{6837} \end{array}$$

----

26 ← remainder

$$6863 \div 47 = 146 \text{ remainder } 1$$

$$\begin{array}{r} 146 \\ 47 \overline{) 6863} \\ \underline{6862} \end{array}$$

----

1 ← remainder

$$6863 \div 53 = 129 \text{ remainder } 26$$

$$\begin{array}{r} 129 \\ 53 \overline{) 6863} \\ \underline{6837} \end{array}$$

----

26 ← remainder

$$6863 \div 59 = 116 \text{ remainder } 19$$

$$\begin{array}{r} 116 \\ 59 \overline{) 6863} \\ \underline{6844} \phantom{00} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 61 = 112 \text{ remainder } 31$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6863} \\ \underline{6832} \phantom{00} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 67 = 102 \text{ remainder } 29$$

$$\begin{array}{r} 102 \\ 67 \overline{) 6863} \\ \underline{6834} \phantom{00} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 71 = 96 \text{ remainder } 47$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6863} \\ \underline{6816} \phantom{00} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 73 = 94 \text{ remainder } 1$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6863} \\ \underline{6862} \phantom{00} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6863 \div 79 = 86 \text{ remainder } 69$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6863} \end{array}$$

6794

-----

69 ← remainder

## **P<sub>884</sub> 6869**

$$6869 \div 2 = 3434 \text{ remainder } 1$$

$$\begin{array}{r} 3434 \\ 2 \overline{) 6869} \\ \underline{6868} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 3 = 2289 \text{ remainder } 2$$

$$\begin{array}{r} 2289 \\ 3 \overline{) 6869} \\ \underline{6867} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 5 = 1373 \text{ remainder } 4$$

$$\begin{array}{r} 1373 \\ 5 \overline{) 6869} \\ \underline{6865} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 7 = 981 \text{ remainder } 2$$

$$\begin{array}{r} 981 \\ 7 \overline{) 6869} \\ \underline{6867} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 11 = 624 \text{ remainder } 5$$

$$\begin{array}{r} 624 \\ 11 \overline{) 6869} \\ \underline{6864} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 13 = 528 \text{ remainder } 5$$

$$\begin{array}{r} 528 \\ 13 \overline{) 6869} \\ \underline{6864} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 17 = 404 \text{ remainder } 1$$

$$\begin{array}{r} 404 \\ 17 \overline{) 6869} \\ \underline{6868} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 19 = 361 \text{ remainder } 10$$

$$\begin{array}{r} 361 \\ 19 \overline{) 6869} \\ \underline{6859} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 23 = 298 \text{ remainder } 15$$

$$\begin{array}{r} 298 \\ 23 \overline{) 6869} \\ \underline{6854} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 29 = 236 \text{ remainder } 25$$

$$\begin{array}{r} 236 \\ 29 \overline{) 6869} \\ \underline{6844} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 31 = 221 \text{ remainder } 18$$

$$\begin{array}{r} 221 \\ 31 \overline{) 6869} \end{array}$$

6851

----

18 ← remainder

$$6869 \div 37 = 185 \text{ remainder } 24$$

$$\begin{array}{r} 185 \\ 37 \overline{) 6869} \\ \underline{6845} \end{array}$$

----

24 ← remainder

$$6869 \div 41 = 167 \text{ remainder } 22$$

$$\begin{array}{r} 167 \\ 41 \overline{) 6869} \\ \underline{6847} \end{array}$$

----

22 ← remainder

$$6869 \div 43 = 159 \text{ remainder } 32$$

$$\begin{array}{r} 159 \\ 43 \overline{) 6869} \\ \underline{6837} \end{array}$$

----

32 ← remainder

$$6869 \div 47 = 146 \text{ remainder } 7$$

$$\begin{array}{r} 146 \\ 47 \overline{) 6869} \\ \underline{6862} \end{array}$$

----

7 ← remainder

$$6869 \div 53 = 129 \text{ remainder } 32$$

$$\begin{array}{r} 129 \\ 53 \overline{) 6869} \\ \underline{6837} \end{array}$$

----

32 ← remainder



$$6869 \div 59 = 116 \text{ remainder } 25$$

$$\begin{array}{r} 116 \\ 59 \overline{) 6869} \\ \underline{6844} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 61 = 112 \text{ remainder } 37$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6869} \\ \underline{6832} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 67 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 67 \overline{) 6869} \\ \underline{6834} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 71 = 96 \text{ remainder } 53$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6869} \\ \underline{6816} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 73 = 94 \text{ remainder } 7$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6869} \\ \underline{6862} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6869 \div 79 = 86 \text{ remainder } 75$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6869} \end{array}$$

6794

-----

75 ← remainder

## **P<sub>885</sub> 6871**

$$6871 \div 2 = 3435 \text{ remainder } 1$$

$$\begin{array}{r} 3435 \\ 2 \overline{) 6871} \\ \underline{6870} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 3 = 2290 \text{ remainder } 1$$

$$\begin{array}{r} 2290 \\ 3 \overline{) 6871} \\ \underline{6870} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 5 = 1374 \text{ remainder } 1$$

$$\begin{array}{r} 1374 \\ 5 \overline{) 6871} \\ \underline{6870} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 7 = 981 \text{ remainder } 4$$

$$\begin{array}{r} 981 \\ 7 \overline{) 6871} \\ \underline{6867} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 11 = 624 \text{ remainder } 7$$

$$\begin{array}{r} 624 \\ 11 \overline{) 6871} \\ \underline{6864} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 13 = 528 \text{ remainder } 7$$

$$\begin{array}{r} 528 \\ 13 \overline{) 6871} \\ \underline{6864} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 17 = 404 \text{ remainder } 3$$

$$\begin{array}{r} 404 \\ 17 \overline{) 6871} \\ \underline{6868} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 19 = 361 \text{ remainder } 12$$

$$\begin{array}{r} 361 \\ 19 \overline{) 6871} \\ \underline{6859} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 23 = 298 \text{ remainder } 17$$

$$\begin{array}{r} 298 \\ 23 \overline{) 6871} \\ \underline{6854} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 29 = 236 \text{ remainder } 27$$

$$\begin{array}{r} 236 \\ 29 \overline{) 6871} \\ \underline{6844} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$6871 \div 31 = 221 \text{ remainder } 20$$

$$\begin{array}{r} 221 \\ 31 \overline{) 6871} \end{array}$$

```

6851
----
20  ← remainder

```

$$6871 \div 37 = 185 \text{ remainder } 26$$

```

      185
37 | 6871
    6845
    ----
      26  ← remainder

```

$$6871 \div 41 = 167 \text{ remainder } 24$$

```

      167
41 | 6871
    6847
    ----
      24  ← remainder

```

$$6871 \div 43 = 159 \text{ remainder } 34$$

```

      159
43 | 6871
    6837
    ----
      34  ← remainder

```

$$6871 \div 47 = 146 \text{ remainder } 9$$

```

      146
47 | 6871
    6862
    ----
       9  ← remainder

```

$$6871 \div 53 = 129 \text{ remainder } 34$$

```

      129
53 | 6871
    6837
    ----
      34  ← remainder

```

$$6871 \div 59 = 116 \text{ remainder } 27$$

$$\begin{array}{r} 116 \\ 59 \overline{) 6871} \\ \underline{6844} \phantom{00} \\ 27 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6871 \div 61 = 112 \text{ remainder } 39$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6871} \\ \underline{6832} \phantom{00} \\ 39 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6871 \div 67 = 102 \text{ remainder } 37$$

$$\begin{array}{r} 102 \\ 67 \overline{) 6871} \\ \underline{6834} \phantom{00} \\ 37 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6871 \div 71 = 96 \text{ remainder } 55$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6871} \\ \underline{6816} \phantom{00} \\ 55 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6871 \div 73 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6871} \\ \underline{6862} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6871 \div 79 = 86 \text{ remainder } 77$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6871} \end{array}$$

6794

-----

77 ← remainder

## **P<sub>886</sub> 6883**

$$6883 \div 2 = 3441 \text{ remainder } 1$$

$$\begin{array}{r} 3441 \\ 2 \overline{) 6883} \\ \underline{6882} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 3 = 2294 \text{ remainder } 1$$

$$\begin{array}{r} 2294 \\ 3 \overline{) 6883} \\ \underline{6882} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 5 = 1376 \text{ remainder } 3$$

$$\begin{array}{r} 1376 \\ 5 \overline{) 6883} \\ \underline{6880} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 7 = 983 \text{ remainder } 2$$

$$\begin{array}{r} 983 \\ 7 \overline{) 6883} \\ \underline{6881} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 11 = 625 \text{ remainder } 8$$

$$\begin{array}{r} 625 \\ 11 \overline{) 6883} \\ \underline{6875} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$6883 \div 13 = 529 \text{ remainder } 6$$

$$\begin{array}{r} 529 \\ 13 \overline{) 6883} \\ \underline{6877} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 17 = 404 \text{ remainder } 15$$

$$\begin{array}{r} 404 \\ 17 \overline{) 6883} \\ \underline{6868} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 19 = 362 \text{ remainder } 5$$

$$\begin{array}{r} 362 \\ 19 \overline{) 6883} \\ \underline{6878} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 23 = 299 \text{ remainder } 6$$

$$\begin{array}{r} 299 \\ 23 \overline{) 6883} \\ \underline{6877} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 29 = 237 \text{ remainder } 10$$

$$\begin{array}{r} 237 \\ 29 \overline{) 6883} \\ \underline{6873} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 31 = 222 \text{ remainder } 1$$

$$\begin{array}{r} 222 \\ 31 \overline{) 6883} \end{array}$$

6882

----

1 ← remainder

$$6883 \div 37 = 186 \text{ remainder } 1$$

186  
37 | 6883  
6882

----

1 ← remainder

$$6883 \div 41 = 167 \text{ remainder } 36$$

167  
41 | 6883  
6847

----

36 ← remainder

$$6883 \div 43 = 160 \text{ remainder } 3$$

160  
43 | 6883  
6880

----

3 ← remainder

$$6883 \div 47 = 146 \text{ remainder } 21$$

146  
47 | 6883  
6862

----

21 ← remainder

$$6883 \div 53 = 129 \text{ remainder } 46$$

129  
53 | 6883  
6837

----

46 ← remainder

$$6883 \div 59 = 116 \text{ remainder } 39$$

$$\begin{array}{r} 116 \\ 59 \overline{) 6883} \\ \underline{6844} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 61 = 112 \text{ remainder } 51$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6883} \\ \underline{6832} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 67 = 102 \text{ remainder } 49$$

$$\begin{array}{r} 102 \\ 67 \overline{) 6883} \\ \underline{6834} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 71 = 96 \text{ remainder } 67$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6883} \\ \underline{6816} \\ 67 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 73 = 94 \text{ remainder } 21$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6883} \\ \underline{6862} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6883 \div 79 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 79 \overline{) 6883} \end{array}$$

6873

----

10 ← remainder

## **P<sub>887</sub> 6899**

$$6899 \div 2 = 3449 \text{ remainder } 1$$

$$\begin{array}{r} 3449 \\ 2 \overline{) 6899} \\ \underline{6898} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 3 = 2299 \text{ remainder } 2$$

$$\begin{array}{r} 2299 \\ 3 \overline{) 6899} \\ \underline{6897} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 5 = 1379 \text{ remainder } 4$$

$$\begin{array}{r} 1379 \\ 5 \overline{) 6899} \\ \underline{6895} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 7 = 985 \text{ remainder } 4$$

$$\begin{array}{r} 985 \\ 7 \overline{) 6899} \\ \underline{6895} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 11 = 627 \text{ remainder } 2$$

$$\begin{array}{r} 627 \\ 11 \overline{) 6899} \\ \underline{6897} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 13 = 530 \text{ remainder } 9$$

$$\begin{array}{r} 530 \\ 13 \overline{) 6899} \\ \underline{6890} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 17 = 405 \text{ remainder } 14$$

$$\begin{array}{r} 405 \\ 17 \overline{) 6899} \\ \underline{6885} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 19 = 363 \text{ remainder } 2$$

$$\begin{array}{r} 363 \\ 19 \overline{) 6899} \\ \underline{6897} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 23 = 299 \text{ remainder } 22$$

$$\begin{array}{r} 299 \\ 23 \overline{) 6899} \\ \underline{6877} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 29 = 237 \text{ remainder } 26$$

$$\begin{array}{r} 237 \\ 29 \overline{) 6899} \\ \underline{6873} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6899 \div 31 = 222 \text{ remainder } 17$$

$$\begin{array}{r} 222 \\ 31 \overline{) 6899} \end{array}$$

$$\begin{array}{r} 6882 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$6899 \div 37 = 186 \text{ remainder } 17$$

$$\begin{array}{r} 186 \\ 37 \overline{) 6899} \\ \underline{6882} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$6899 \div 41 = 168 \text{ remainder } 11$$

$$\begin{array}{r} 168 \\ 41 \overline{) 6899} \\ \underline{6888} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6899 \div 43 = 160 \text{ remainder } 19$$

$$\begin{array}{r} 160 \\ 43 \overline{) 6899} \\ \underline{6880} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6899 \div 47 = 146 \text{ remainder } 37$$

$$\begin{array}{r} 146 \\ 47 \overline{) 6899} \\ \underline{6862} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6899 \div 53 = 130 \text{ remainder } 9$$

$$\begin{array}{r} 130 \\ 53 \overline{) 6899} \\ \underline{6890} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6899 \div 59 = 116 \text{ remainder } 55$$

$$\begin{array}{r} 116 \\ 59 \overline{) 6899} \\ \underline{6844} \phantom{00} \\ 55 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6899 \div 61 = 113 \text{ remainder } 6$$

$$\begin{array}{r} 113 \\ 61 \overline{) 6899} \\ \underline{6893} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6899 \div 67 = 102 \text{ remainder } 65$$

$$\begin{array}{r} 102 \\ 67 \overline{) 6899} \\ \underline{6834} \phantom{00} \\ 65 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6899 \div 71 = 97 \text{ remainder } 12$$

$$\begin{array}{r} 97 \\ 71 \overline{) 6899} \\ \underline{6887} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6899 \div 73 = 94 \text{ remainder } 37$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6899} \\ \underline{6862} \phantom{00} \\ 37 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6899 \div 79 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 79 \overline{) 6899} \end{array}$$



6873

----

26 ← remainder

$6899 \div 83 = 83 \text{ remainder } 10$

83 |  $\overline{83 \over 6899}$   
6889

----

10 ← remainder

## **P<sub>888</sub> 6907**

$$6907 \div 2 = 3453 \text{ remainder } 1$$

$$\begin{array}{r} 3453 \\ 2 \overline{) 6907} \\ \underline{6906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 3 = 2302 \text{ remainder } 1$$

$$\begin{array}{r} 2302 \\ 3 \overline{) 6907} \\ \underline{6906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 5 = 1381 \text{ remainder } 2$$

$$\begin{array}{r} 1381 \\ 5 \overline{) 6907} \\ \underline{6905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 7 = 986 \text{ remainder } 5$$

$$\begin{array}{r} 986 \\ 7 \overline{) 6907} \\ \underline{6902} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 11 = 627 \text{ remainder } 10$$

$$\begin{array}{r} 627 \\ 11 \overline{) 6907} \\ \underline{6897} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 13 = 531 \text{ remainder } 4$$

$$\begin{array}{r} 531 \\ 13 \overline{) 6907} \\ \underline{6903} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 17 = 406 \text{ remainder } 5$$

$$\begin{array}{r} 406 \\ 17 \overline{) 6907} \\ \underline{6902} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 19 = 363 \text{ remainder } 10$$

$$\begin{array}{r} 363 \\ 19 \overline{) 6907} \\ \underline{6897} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 23 = 300 \text{ remainder } 7$$

$$\begin{array}{r} 300 \\ 23 \overline{) 6907} \\ \underline{6900} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 29 = 238 \text{ remainder } 5$$

$$\begin{array}{r} 238 \\ 29 \overline{) 6907} \\ \underline{6902} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 31 = 222 \text{ remainder } 25$$

$$\begin{array}{r} 222 \\ 31 \overline{) 6907} \end{array}$$

$$\begin{array}{r} 6882 \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6907 \div 37 = 186 \text{ remainder } 25$$

$$\begin{array}{r} 186 \\ 37 \overline{) 6907} \\ \underline{6882} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6907 \div 41 = 168 \text{ remainder } 19$$

$$\begin{array}{r} 168 \\ 41 \overline{) 6907} \\ \underline{6888} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6907 \div 43 = 160 \text{ remainder } 27$$

$$\begin{array}{r} 160 \\ 43 \overline{) 6907} \\ \underline{6880} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6907 \div 47 = 146 \text{ remainder } 45$$

$$\begin{array}{r} 146 \\ 47 \overline{) 6907} \\ \underline{6862} \\ \text{----} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6907 \div 53 = 130 \text{ remainder } 17$$

$$\begin{array}{r} 130 \\ 53 \overline{) 6907} \\ \underline{6890} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$6907 \div 59 = 117 \text{ remainder } 4$$

$$\begin{array}{r} 117 \\ 59 \overline{) 6907} \\ \underline{6903} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 61 = 113 \text{ remainder } 14$$

$$\begin{array}{r} 113 \\ 61 \overline{) 6907} \\ \underline{6893} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 67 = 103 \text{ remainder } 6$$

$$\begin{array}{r} 103 \\ 67 \overline{) 6907} \\ \underline{6901} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 71 = 97 \text{ remainder } 20$$

$$\begin{array}{r} 97 \\ 71 \overline{) 6907} \\ \underline{6887} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 73 = 94 \text{ remainder } 45$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6907} \\ \underline{6862} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$6907 \div 79 = 87 \text{ remainder } 34$$

$$\begin{array}{r} 87 \\ 79 \overline{) 6907} \end{array}$$

6873

----

34 ← remainder

$6907 \div 83 = 83 \text{ remainder } 18$

83 |  $\overline{6907}$   
6889

----

18 ← remainder

## **P<sub>889</sub> 6911**

$$6911 \div 2 = 3455 \text{ remainder } 1$$

$$\begin{array}{r} 3455 \\ 2 \overline{) 6911} \\ \underline{6910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 3 = 2303 \text{ remainder } 2$$

$$\begin{array}{r} 2303 \\ 3 \overline{) 6911} \\ \underline{6909} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 5 = 1382 \text{ remainder } 1$$

$$\begin{array}{r} 1382 \\ 5 \overline{) 6911} \\ \underline{6910} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 7 = 987 \text{ remainder } 2$$

$$\begin{array}{r} 987 \\ 7 \overline{) 6911} \\ \underline{6909} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 11 = 628 \text{ remainder } 3$$

$$\begin{array}{r} 628 \\ 11 \overline{) 6911} \\ \underline{6908} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 13 = 531 \text{ remainder } 8$$

$$\begin{array}{r} 531 \\ 13 \overline{) 6911} \\ \underline{6903} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 17 = 406 \text{ remainder } 9$$

$$\begin{array}{r} 406 \\ 17 \overline{) 6911} \\ \underline{6902} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 19 = 363 \text{ remainder } 14$$

$$\begin{array}{r} 363 \\ 19 \overline{) 6911} \\ \underline{6897} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 23 = 300 \text{ remainder } 11$$

$$\begin{array}{r} 300 \\ 23 \overline{) 6911} \\ \underline{6900} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 29 = 238 \text{ remainder } 9$$

$$\begin{array}{r} 238 \\ 29 \overline{) 6911} \\ \underline{6902} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 31 = 222 \text{ remainder } 29$$

$$\begin{array}{r} 222 \\ 31 \overline{) 6911} \end{array}$$



$$\begin{array}{r} 6882 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6911 \div 37 = 186 \text{ remainder } 29$$

$$\begin{array}{r} 186 \\ 37 \overline{) 6911} \\ \underline{6882} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6911 \div 41 = 168 \text{ remainder } 23$$

$$\begin{array}{r} 168 \\ 41 \overline{) 6911} \\ \underline{6888} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6911 \div 43 = 160 \text{ remainder } 31$$

$$\begin{array}{r} 160 \\ 43 \overline{) 6911} \\ \underline{6880} \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6911 \div 47 = 147 \text{ remainder } 2$$

$$\begin{array}{r} 147 \\ 47 \overline{) 6911} \\ \underline{6909} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6911 \div 53 = 130 \text{ remainder } 21$$

$$\begin{array}{r} 130 \\ 53 \overline{) 6911} \\ \underline{6890} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6911 \div 59 = 117 \text{ remainder } 8$$

$$\begin{array}{r} 117 \\ 59 \overline{) 6911} \\ \underline{6903} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 61 = 113 \text{ remainder } 18$$

$$\begin{array}{r} 113 \\ 61 \overline{) 6911} \\ \underline{6893} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 67 = 103 \text{ remainder } 10$$

$$\begin{array}{r} 103 \\ 67 \overline{) 6911} \\ \underline{6901} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 71 = 97 \text{ remainder } 24$$

$$\begin{array}{r} 97 \\ 71 \overline{) 6911} \\ \underline{6887} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 73 = 94 \text{ remainder } 49$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6911} \\ \underline{6862} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$6911 \div 79 = 87 \text{ remainder } 38$$

$$\begin{array}{r} 87 \\ 79 \overline{) 6911} \end{array}$$

6873

----

38 ← remainder

$6911 \div 83 = 83 \text{ remainder } 22$

83 |  $\overline{6911}$   
6889

----

22 ← remainder

## **P<sub>890</sub> 6917**

$$6917 \div 2 = 3458 \text{ remainder } 1$$

$$\begin{array}{r} 3458 \\ 2 \overline{) 6917} \\ \underline{6916} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 3 = 2305 \text{ remainder } 2$$

$$\begin{array}{r} 2305 \\ 3 \overline{) 6917} \\ \underline{6915} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 5 = 1383 \text{ remainder } 2$$

$$\begin{array}{r} 1383 \\ 5 \overline{) 6917} \\ \underline{6915} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 7 = 988 \text{ remainder } 1$$

$$\begin{array}{r} 988 \\ 7 \overline{) 6917} \\ \underline{6916} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 11 = 628 \text{ remainder } 9$$

$$\begin{array}{r} 628 \\ 11 \overline{) 6917} \\ \underline{6908} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 13 = 532 \text{ remainder } 1$$

$$\begin{array}{r} 532 \\ 13 \overline{) 6917} \\ \underline{6916} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 17 = 406 \text{ remainder } 15$$

$$\begin{array}{r} 406 \\ 17 \overline{) 6917} \\ \underline{6902} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 19 = 364 \text{ remainder } 1$$

$$\begin{array}{r} 364 \\ 19 \overline{) 6917} \\ \underline{6916} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 23 = 300 \text{ remainder } 17$$

$$\begin{array}{r} 300 \\ 23 \overline{) 6917} \\ \underline{6900} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 29 = 238 \text{ remainder } 15$$

$$\begin{array}{r} 238 \\ 29 \overline{) 6917} \\ \underline{6902} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 31 = 223 \text{ remainder } 4$$

$$\begin{array}{r} 223 \\ 31 \overline{) 6917} \end{array}$$

6913

----

4 ← remainder

$$6917 \div 37 = 186 \text{ remainder } 35$$

$$\begin{array}{r} 186 \\ 37 \overline{) 6917} \\ \underline{6882} \end{array}$$

----

35 ← remainder

$$6917 \div 41 = 168 \text{ remainder } 29$$

$$\begin{array}{r} 168 \\ 41 \overline{) 6917} \\ \underline{6888} \end{array}$$

----

29 ← remainder

$$6917 \div 43 = 160 \text{ remainder } 37$$

$$\begin{array}{r} 160 \\ 43 \overline{) 6917} \\ \underline{6880} \end{array}$$

----

37 ← remainder

$$6917 \div 47 = 147 \text{ remainder } 8$$

$$\begin{array}{r} 147 \\ 47 \overline{) 6917} \\ \underline{6909} \end{array}$$

----

8 ← remainder

$$6917 \div 53 = 130 \text{ remainder } 27$$

$$\begin{array}{r} 130 \\ 53 \overline{) 6917} \\ \underline{6890} \end{array}$$

----

27 ← remainder

$$6917 \div 59 = 117 \text{ remainder } 14$$

$$\begin{array}{r} 117 \\ 59 \overline{) 6917} \\ \underline{6903} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 61 = 113 \text{ remainder } 24$$

$$\begin{array}{r} 113 \\ 61 \overline{) 6917} \\ \underline{6893} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 67 = 103 \text{ remainder } 16$$

$$\begin{array}{r} 103 \\ 67 \overline{) 6917} \\ \underline{6901} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 71 = 97 \text{ remainder } 30$$

$$\begin{array}{r} 97 \\ 71 \overline{) 6917} \\ \underline{6887} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 73 = 94 \text{ remainder } 55$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6917} \\ \underline{6862} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$6917 \div 79 = 87 \text{ remainder } 44$$

$$\begin{array}{r} 87 \\ 79 \overline{) 6917} \end{array}$$

6873

----

44 ← remainder

$6917 \div 83 = 83 \text{ remainder } 28$

83 |  $\overline{6917}$   
6889

----

28 ← remainder



## **P<sub>891</sub> 6947**

$$6947 \div 2 = 3473 \text{ remainder } 1$$

$$\begin{array}{r} 3473 \\ 2 \overline{) 6947} \\ \underline{6946} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 3 = 2315 \text{ remainder } 2$$

$$\begin{array}{r} 2315 \\ 3 \overline{) 6947} \\ \underline{6945} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 5 = 1389 \text{ remainder } 2$$

$$\begin{array}{r} 1389 \\ 5 \overline{) 6947} \\ \underline{6945} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 7 = 992 \text{ remainder } 3$$

$$\begin{array}{r} 992 \\ 7 \overline{) 6947} \\ \underline{6944} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 11 = 631 \text{ remainder } 6$$

$$\begin{array}{r} 631 \\ 11 \overline{) 6947} \\ \underline{6941} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 13 = 534 \text{ remainder } 5$$

$$\begin{array}{r} 534 \\ 13 \overline{) 6947} \\ \underline{6942} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 17 = 408 \text{ remainder } 11$$

$$\begin{array}{r} 408 \\ 17 \overline{) 6947} \\ \underline{6936} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 19 = 365 \text{ remainder } 12$$

$$\begin{array}{r} 365 \\ 19 \overline{) 6947} \\ \underline{6935} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 23 = 302 \text{ remainder } 1$$

$$\begin{array}{r} 302 \\ 23 \overline{) 6947} \\ \underline{6946} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 29 = 239 \text{ remainder } 16$$

$$\begin{array}{r} 239 \\ 29 \overline{) 6947} \\ \underline{6931} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 31 = 224 \text{ remainder } 3$$

$$\begin{array}{r} 224 \\ 31 \overline{) 6947} \end{array}$$

$$\begin{array}{r} 6944 \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6947 \div 37 = 187 \text{ remainder } 28$$

$$\begin{array}{r} 187 \\ 37 \overline{) 6947} \\ \underline{6919} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6947 \div 41 = 169 \text{ remainder } 18$$

$$\begin{array}{r} 169 \\ 41 \overline{) 6947} \\ \underline{6929} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6947 \div 43 = 161 \text{ remainder } 24$$

$$\begin{array}{r} 161 \\ 43 \overline{) 6947} \\ \underline{6923} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6947 \div 47 = 147 \text{ remainder } 38$$

$$\begin{array}{r} 147 \\ 47 \overline{) 6947} \\ \underline{6909} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6947 \div 53 = 131 \text{ remainder } 4$$

$$\begin{array}{r} 131 \\ 53 \overline{) 6947} \\ \underline{6943} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6947 \div 59 = 117 \text{ remainder } 44$$

$$\begin{array}{r} 117 \\ 59 \overline{) 6947} \\ \underline{6903} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 61 = 113 \text{ remainder } 54$$

$$\begin{array}{r} 113 \\ 61 \overline{) 6947} \\ \underline{6893} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 67 = 103 \text{ remainder } 46$$

$$\begin{array}{r} 103 \\ 67 \overline{) 6947} \\ \underline{6901} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 71 = 97 \text{ remainder } 60$$

$$\begin{array}{r} 97 \\ 71 \overline{) 6947} \\ \underline{6887} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 73 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6947} \\ \underline{6935} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6947 \div 79 = 87 \text{ remainder } 74$$

$$\begin{array}{r} 87 \\ 79 \overline{) 6947} \end{array}$$

6873

----

74 ← remainder

$6947 \div 83 = 83 \text{ remainder } 58$

83 |  $\overline{6947}$   
6889

----

58 ← remainder

## **P<sub>892</sub> 6949**

$$6949 \div 2 = 3474 \text{ remainder } 1$$

$$\begin{array}{r} 3474 \\ 2 \overline{) 6949} \\ \underline{6948} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 3 = 2316 \text{ remainder } 1$$

$$\begin{array}{r} 2316 \\ 3 \overline{) 6949} \\ \underline{6948} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 5 = 1389 \text{ remainder } 4$$

$$\begin{array}{r} 1389 \\ 5 \overline{) 6949} \\ \underline{6945} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 7 = 992 \text{ remainder } 5$$

$$\begin{array}{r} 992 \\ 7 \overline{) 6949} \\ \underline{6944} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 11 = 631 \text{ remainder } 8$$

$$\begin{array}{r} 631 \\ 11 \overline{) 6949} \\ \underline{6941} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 13 = 534 \text{ remainder } 7$$

$$\begin{array}{r} 534 \\ 13 \overline{) 6949} \\ \underline{6942} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6949 \div 17 = 408 \text{ remainder } 13$$

$$\begin{array}{r} 408 \\ 17 \overline{) 6949} \\ \underline{6936} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6949 \div 19 = 365 \text{ remainder } 14$$

$$\begin{array}{r} 365 \\ 19 \overline{) 6949} \\ \underline{6935} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6949 \div 23 = 302 \text{ remainder } 3$$

$$\begin{array}{r} 302 \\ 23 \overline{) 6949} \\ \underline{6946} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6949 \div 29 = 239 \text{ remainder } 18$$

$$\begin{array}{r} 239 \\ 29 \overline{) 6949} \\ \underline{6931} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$6949 \div 31 = 224 \text{ remainder } 5$$

$$\begin{array}{r} 224 \\ 31 \overline{) 6949} \end{array}$$

```

6944
----
5  ← remainder

```

$$6949 \div 37 = 187 \text{ remainder } 30$$

```

      187
37 | 6949
    6919
    ----
      30  ← remainder

```

$$6949 \div 41 = 169 \text{ remainder } 20$$

```

      169
41 | 6949
    6929
    ----
      20  ← remainder

```

$$6949 \div 43 = 161 \text{ remainder } 26$$

```

      161
43 | 6949
    6923
    ----
      26  ← remainder

```

$$6949 \div 47 = 147 \text{ remainder } 40$$

```

      147
47 | 6949
    6909
    ----
      40  ← remainder

```

$$6949 \div 53 = 131 \text{ remainder } 6$$

```

      131
53 | 6949
    6943
    ----
       6  ← remainder

```



$$6949 \div 59 = 117 \text{ remainder } 46$$

$$\begin{array}{r} 117 \\ 59 \overline{) 6949} \\ \underline{6903} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 61 = 113 \text{ remainder } 56$$

$$\begin{array}{r} 113 \\ 61 \overline{) 6949} \\ \underline{6893} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 67 = 103 \text{ remainder } 48$$

$$\begin{array}{r} 103 \\ 67 \overline{) 6949} \\ \underline{6901} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 71 = 97 \text{ remainder } 62$$

$$\begin{array}{r} 97 \\ 71 \overline{) 6949} \\ \underline{6887} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 73 = 95 \text{ remainder } 14$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6949} \\ \underline{6935} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6949 \div 79 = 87 \text{ remainder } 76$$

$$\begin{array}{r} 87 \\ 79 \overline{) 6949} \end{array}$$

6873

----

76 ← remainder

$$6949 \div 83 = 83 \text{ remainder } 60$$

$$\begin{array}{r} 83 \\ 83 \overline{) 6949} \\ \underline{6889} \end{array}$$

----

60 ← remainder

## **P<sub>893</sub> 6959**

$$6959 \div 2 = 3479 \text{ remainder } 1$$

$$\begin{array}{r} 3479 \\ 2 \overline{) 6959} \\ \underline{6958} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 3 = 2319 \text{ remainder } 2$$

$$\begin{array}{r} 2319 \\ 3 \overline{) 6959} \\ \underline{6957} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 5 = 1391 \text{ remainder } 4$$

$$\begin{array}{r} 1391 \\ 5 \overline{) 6959} \\ \underline{6955} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 7 = 994 \text{ remainder } 1$$

$$\begin{array}{r} 994 \\ 7 \overline{) 6959} \\ \underline{6958} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 11 = 632 \text{ remainder } 7$$

$$\begin{array}{r} 632 \\ 11 \overline{) 6959} \\ \underline{6952} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 13 = 535 \text{ remainder } 4$$

$$\begin{array}{r} 535 \\ 13 \overline{) 6959} \\ \underline{6955} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 17 = 409 \text{ remainder } 6$$

$$\begin{array}{r} 409 \\ 17 \overline{) 6959} \\ \underline{6953} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 19 = 366 \text{ remainder } 5$$

$$\begin{array}{r} 366 \\ 19 \overline{) 6959} \\ \underline{6954} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 23 = 302 \text{ remainder } 13$$

$$\begin{array}{r} 302 \\ 23 \overline{) 6959} \\ \underline{6946} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 29 = 239 \text{ remainder } 28$$

$$\begin{array}{r} 239 \\ 29 \overline{) 6959} \\ \underline{6931} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 31 = 224 \text{ remainder } 15$$

$$\begin{array}{r} 224 \\ 31 \overline{) 6959} \end{array}$$

```

6944
----
15 ← remainder

```

$$6959 \div 37 = 188 \text{ remainder } 3$$

```

      188
37 | 6959
    6956
    ----
      3 ← remainder

```

$$6959 \div 41 = 169 \text{ remainder } 30$$

```

      169
41 | 6959
    6929
    ----
     30 ← remainder

```

$$6959 \div 43 = 161 \text{ remainder } 36$$

```

      161
43 | 6959
    6923
    ----
     36 ← remainder

```

$$6959 \div 47 = 148 \text{ remainder } 3$$

```

      148
47 | 6959
    6956
    ----
      3 ← remainder

```

$$6959 \div 53 = 131 \text{ remainder } 16$$

```

      131
53 | 6959
    6943
    ----
     16 ← remainder

```

$$6959 \div 59 = 117 \text{ remainder } 56$$

$$\begin{array}{r} 117 \\ 59 \overline{) 6959} \\ \underline{6903} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 61 = 114 \text{ remainder } 5$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6959} \\ \underline{6954} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 67 = 103 \text{ remainder } 58$$

$$\begin{array}{r} 103 \\ 67 \overline{) 6959} \\ \underline{6901} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 71 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 71 \overline{) 6959} \\ \underline{6958} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 73 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6959} \\ \underline{6935} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$6959 \div 79 = 88 \text{ remainder } 7$$

$$\begin{array}{r} 88 \\ 79 \overline{) 6959} \end{array}$$

6952

----

7 ← remainder

$6959 \div 83 = 83 \text{ remainder } 70$

83 |  $\overline{6959}$   
6889

----

70 ← remainder

## **P<sub>894</sub> 6961**

$$6961 \div 2 = 3480 \text{ remainder } 1$$

$$\begin{array}{r} 3480 \\ 2 \overline{) 6961} \\ \underline{6960} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 3 = 2320 \text{ remainder } 1$$

$$\begin{array}{r} 2320 \\ 3 \overline{) 6961} \\ \underline{6960} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 5 = 1392 \text{ remainder } 1$$

$$\begin{array}{r} 1392 \\ 5 \overline{) 6961} \\ \underline{6960} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 7 = 994 \text{ remainder } 3$$

$$\begin{array}{r} 994 \\ 7 \overline{) 6961} \\ \underline{6958} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 11 = 632 \text{ remainder } 9$$

$$\begin{array}{r} 632 \\ 11 \overline{) 6961} \\ \underline{6952} \\ 9 \end{array} \leftarrow \text{remainder}$$



$$6961 \div 13 = 535 \text{ remainder } 6$$

$$\begin{array}{r} 535 \\ 13 \overline{) 6961} \\ \underline{6955} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 17 = 409 \text{ remainder } 8$$

$$\begin{array}{r} 409 \\ 17 \overline{) 6961} \\ \underline{6953} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 19 = 366 \text{ remainder } 7$$

$$\begin{array}{r} 366 \\ 19 \overline{) 6961} \\ \underline{6954} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 23 = 302 \text{ remainder } 15$$

$$\begin{array}{r} 302 \\ 23 \overline{) 6961} \\ \underline{6946} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 29 = 240 \text{ remainder } 1$$

$$\begin{array}{r} 240 \\ 29 \overline{) 6961} \\ \underline{6960} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 31 = 224 \text{ remainder } 17$$

$$\begin{array}{r} 224 \\ 31 \overline{) 6961} \end{array}$$

```

6944
----
17 ← remainder

```

$$6961 \div 37 = 188 \text{ remainder } 5$$

```

      188
37 | 6961
    6956
    ----
      5 ← remainder

```

$$6961 \div 41 = 169 \text{ remainder } 32$$

```

      169
41 | 6961
    6929
    ----
     32 ← remainder

```

$$6961 \div 43 = 161 \text{ remainder } 38$$

```

      161
43 | 6961
    6923
    ----
     38 ← remainder

```

$$6961 \div 47 = 148 \text{ remainder } 5$$

```

      148
47 | 6961
    6956
    ----
      5 ← remainder

```

$$6961 \div 53 = 131 \text{ remainder } 18$$

```

      131
53 | 6961
    6943
    ----
     18 ← remainder

```

$$6961 \div 59 = 117 \text{ remainder } 58$$

$$\begin{array}{r} 117 \\ 59 \overline{) 6961} \\ \underline{6903} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 61 = 114 \text{ remainder } 7$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6961} \\ \underline{6954} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 67 = 103 \text{ remainder } 60$$

$$\begin{array}{r} 103 \\ 67 \overline{) 6961} \\ \underline{6901} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 71 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 71 \overline{) 6961} \\ \underline{6958} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 73 = 95 \text{ remainder } 26$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6961} \\ \underline{6935} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$6961 \div 79 = 88 \text{ remainder } 9$$

$$\begin{array}{r} 88 \\ 79 \overline{) 6961} \end{array}$$

6952

----

9 ← remainder

$6961 \div 83 = 83 \text{ remainder } 72$

83 |  $\overline{6961}$   
6889

----

72 ← remainder

## **P<sub>895</sub> 6967**

$$6967 \div 2 = 3483 \text{ remainder } 1$$

$$\begin{array}{r} 3483 \\ 2 \overline{) 6967} \\ \underline{6966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 3 = 2322 \text{ remainder } 1$$

$$\begin{array}{r} 2322 \\ 3 \overline{) 6967} \\ \underline{6966} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 5 = 1393 \text{ remainder } 2$$

$$\begin{array}{r} 1393 \\ 5 \overline{) 6967} \\ \underline{6965} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 7 = 995 \text{ remainder } 2$$

$$\begin{array}{r} 995 \\ 7 \overline{) 6967} \\ \underline{6965} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 11 = 633 \text{ remainder } 4$$

$$\begin{array}{r} 633 \\ 11 \overline{) 6967} \\ \underline{6963} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 13 = 535 \text{ remainder } 12$$

$$\begin{array}{r} 535 \\ 13 \overline{) 6967} \\ \underline{6955} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 17 = 409 \text{ remainder } 14$$

$$\begin{array}{r} 409 \\ 17 \overline{) 6967} \\ \underline{6953} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 19 = 366 \text{ remainder } 13$$

$$\begin{array}{r} 366 \\ 19 \overline{) 6967} \\ \underline{6954} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 23 = 302 \text{ remainder } 21$$

$$\begin{array}{r} 302 \\ 23 \overline{) 6967} \\ \underline{6946} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 29 = 240 \text{ remainder } 7$$

$$\begin{array}{r} 240 \\ 29 \overline{) 6967} \\ \underline{6960} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 31 = 224 \text{ remainder } 23$$

$$\begin{array}{r} 224 \\ 31 \overline{) 6967} \end{array}$$

6944  
 ----  
 23 ← remainder

$$6967 \div 37 = 188 \text{ remainder } 11$$

188  
 37 | 6967  
 6956  
 ----  
 11 ← remainder

$$6967 \div 41 = 169 \text{ remainder } 38$$

169  
 41 | 6967  
 6929  
 ----  
 38 ← remainder

$$6967 \div 43 = 162 \text{ remainder } 1$$

162  
 43 | 6967  
 6966  
 ----  
 1 ← remainder

$$6967 \div 47 = 148 \text{ remainder } 11$$

148  
 47 | 6967  
 6956  
 ----  
 11 ← remainder

$$6967 \div 53 = 131 \text{ remainder } 24$$

131  
 53 | 6967  
 6943  
 ----  
 24 ← remainder

$$6967 \div 59 = 118 \text{ remainder } 5$$

$$\begin{array}{r} 118 \\ 59 \overline{) 6967} \\ \underline{6962} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 61 = 114 \text{ remainder } 13$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6967} \\ \underline{6954} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 67 = 103 \text{ remainder } 66$$

$$\begin{array}{r} 103 \\ 67 \overline{) 6967} \\ \underline{6901} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 71 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 71 \overline{) 6967} \\ \underline{6958} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 73 = 95 \text{ remainder } 32$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6967} \\ \underline{6935} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$6967 \div 79 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 79 \overline{) 6967} \end{array}$$



6952

----

15 ← remainder

$6967 \div 83 = 83 \text{ remainder } 78$

83 |  $\overline{6967}$   
6889

----

78 ← remainder

## **P<sub>896</sub> 6971**

$$6971 \div 2 = 3485 \text{ remainder } 1$$

$$\begin{array}{r} 3485 \\ 2 \overline{) 6971} \\ \underline{6970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 3 = 2323 \text{ remainder } 2$$

$$\begin{array}{r} 2323 \\ 3 \overline{) 6971} \\ \underline{6969} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 5 = 1394 \text{ remainder } 1$$

$$\begin{array}{r} 1394 \\ 5 \overline{) 6971} \\ \underline{6970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 7 = 995 \text{ remainder } 6$$

$$\begin{array}{r} 995 \\ 7 \overline{) 6971} \\ \underline{6965} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 11 = 633 \text{ remainder } 8$$

$$\begin{array}{r} 633 \\ 11 \overline{) 6971} \\ \underline{6963} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 13 = 536 \text{ remainder } 3$$

$$\begin{array}{r} 536 \\ 13 \overline{) 6971} \\ \underline{6968} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 17 = 410 \text{ remainder } 1$$

$$\begin{array}{r} 410 \\ 17 \overline{) 6971} \\ \underline{6970} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 19 = 366 \text{ remainder } 17$$

$$\begin{array}{r} 366 \\ 19 \overline{) 6971} \\ \underline{6954} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 23 = 303 \text{ remainder } 2$$

$$\begin{array}{r} 303 \\ 23 \overline{) 6971} \\ \underline{6969} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 29 = 240 \text{ remainder } 11$$

$$\begin{array}{r} 240 \\ 29 \overline{) 6971} \\ \underline{6960} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 31 = 224 \text{ remainder } 27$$

$$\begin{array}{r} 224 \\ 31 \overline{) 6971} \end{array}$$

6944  
 ----  
 27 ← remainder

$$6971 \div 37 = 188 \text{ remainder } 15$$

37 |  $\overline{) 6971}$   
 188  
 6956  
 ----  
 15 ← remainder

$$6971 \div 41 = 170 \text{ remainder } 1$$

41 |  $\overline{) 6971}$   
 170  
 6970  
 ----  
 1 ← remainder

$$6971 \div 43 = 162 \text{ remainder } 5$$

43 |  $\overline{) 6971}$   
 162  
 6966  
 ----  
 5 ← remainder

$$6971 \div 47 = 148 \text{ remainder } 15$$

47 |  $\overline{) 6971}$   
 148  
 6956  
 ----  
 15 ← remainder

$$6971 \div 53 = 131 \text{ remainder } 28$$

53 |  $\overline{) 6971}$   
 131  
 6943  
 ----  
 28 ← remainder

$$6971 \div 59 = 118 \text{ remainder } 9$$

$$\begin{array}{r} 118 \\ 59 \overline{) 6971} \\ \underline{6962} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 61 = 114 \text{ remainder } 17$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6971} \\ \underline{6954} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 67 = 104 \text{ remainder } 3$$

$$\begin{array}{r} 104 \\ 67 \overline{) 6971} \\ \underline{6968} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 71 = 98 \text{ remainder } 13$$

$$\begin{array}{r} 98 \\ 71 \overline{) 6971} \\ \underline{6958} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 73 = 95 \text{ remainder } 36$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6971} \\ \underline{6935} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$6971 \div 79 = 88 \text{ remainder } 19$$

$$\begin{array}{r} 88 \\ 79 \overline{) 6971} \end{array}$$

6952

----

19 ← remainder

$6971 \div 83 = 83 \text{ remainder } 82$

83 |  $\overline{6971}$   
6889

----

82 ← remainder

## **P<sub>897</sub> 6977**

$$6977 \div 2 = 3488 \text{ remainder } 1$$

$$\begin{array}{r} 3488 \\ 2 \overline{) 6977} \\ \underline{6976} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 3 = 2325 \text{ remainder } 2$$

$$\begin{array}{r} 2325 \\ 3 \overline{) 6977} \\ \underline{6975} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 5 = 1395 \text{ remainder } 2$$

$$\begin{array}{r} 1395 \\ 5 \overline{) 6977} \\ \underline{6975} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 7 = 996 \text{ remainder } 5$$

$$\begin{array}{r} 996 \\ 7 \overline{) 6977} \\ \underline{6972} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 11 = 634 \text{ remainder } 3$$

$$\begin{array}{r} 634 \\ 11 \overline{) 6977} \\ \underline{6974} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 13 = 536 \text{ remainder } 9$$

$$\begin{array}{r} 536 \\ 13 \overline{) 6977} \\ \underline{6968} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 17 = 410 \text{ remainder } 7$$

$$\begin{array}{r} 410 \\ 17 \overline{) 6977} \\ \underline{6970} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 19 = 367 \text{ remainder } 4$$

$$\begin{array}{r} 367 \\ 19 \overline{) 6977} \\ \underline{6973} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 23 = 303 \text{ remainder } 8$$

$$\begin{array}{r} 303 \\ 23 \overline{) 6977} \\ \underline{6969} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 29 = 240 \text{ remainder } 17$$

$$\begin{array}{r} 240 \\ 29 \overline{) 6977} \\ \underline{6960} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 31 = 225 \text{ remainder } 2$$

$$\begin{array}{r} 225 \\ 31 \overline{) 6977} \end{array}$$



$$\begin{array}{r} 6975 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6977 \div 37 = 188 \text{ remainder } 21$$

$$\begin{array}{r} 188 \\ 37 \overline{) 6977} \\ \underline{6956} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6977 \div 41 = 170 \text{ remainder } 7$$

$$\begin{array}{r} 170 \\ 41 \overline{) 6977} \\ \underline{6970} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6977 \div 43 = 162 \text{ remainder } 11$$

$$\begin{array}{r} 162 \\ 43 \overline{) 6977} \\ \underline{6966} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6977 \div 47 = 148 \text{ remainder } 21$$

$$\begin{array}{r} 148 \\ 47 \overline{) 6977} \\ \underline{6956} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6977 \div 53 = 131 \text{ remainder } 34$$

$$\begin{array}{r} 131 \\ 53 \overline{) 6977} \\ \underline{6943} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6977 \div 59 = 118 \text{ remainder } 15$$

$$\begin{array}{r} 118 \\ 59 \overline{) 6977} \\ \underline{6962} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 61 = 114 \text{ remainder } 23$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6977} \\ \underline{6954} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 67 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 67 \overline{) 6977} \\ \underline{6968} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 71 = 98 \text{ remainder } 19$$

$$\begin{array}{r} 98 \\ 71 \overline{) 6977} \\ \underline{6958} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 73 = 95 \text{ remainder } 42$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6977} \\ \underline{6935} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$6977 \div 79 = 88 \text{ remainder } 25$$

$$\begin{array}{r} 88 \\ 79 \overline{) 6977} \end{array}$$

6952

----

25 ← remainder

$$6977 \div 83 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 83 \overline{) 6977} \\ \underline{6972} \end{array}$$

----

5 ← remainder

## **P<sub>898</sub> 6983**

$$6983 \div 2 = 3491 \text{ remainder } 1$$

$$\begin{array}{r} 3491 \\ 2 \overline{) 6983} \\ \underline{6982} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 3 = 2327 \text{ remainder } 2$$

$$\begin{array}{r} 2327 \\ 3 \overline{) 6983} \\ \underline{6981} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 5 = 1396 \text{ remainder } 3$$

$$\begin{array}{r} 1396 \\ 5 \overline{) 6983} \\ \underline{6980} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 7 = 997 \text{ remainder } 4$$

$$\begin{array}{r} 997 \\ 7 \overline{) 6983} \\ \underline{6979} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 11 = 634 \text{ remainder } 9$$

$$\begin{array}{r} 634 \\ 11 \overline{) 6983} \\ \underline{6974} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 13 = 537 \text{ remainder } 2$$

$$\begin{array}{r} 537 \\ 13 \overline{) 6983} \\ \underline{6981} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 17 = 410 \text{ remainder } 13$$

$$\begin{array}{r} 410 \\ 17 \overline{) 6983} \\ \underline{6970} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 19 = 367 \text{ remainder } 10$$

$$\begin{array}{r} 367 \\ 19 \overline{) 6983} \\ \underline{6973} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 23 = 303 \text{ remainder } 14$$

$$\begin{array}{r} 303 \\ 23 \overline{) 6983} \\ \underline{6969} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 29 = 240 \text{ remainder } 23$$

$$\begin{array}{r} 240 \\ 29 \overline{) 6983} \\ \underline{6960} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 31 = 225 \text{ remainder } 8$$

$$\begin{array}{r} 225 \\ 31 \overline{) 6983} \end{array}$$

6975

----

8 ← remainder

$$6983 \div 37 = 188 \text{ remainder } 27$$

$$\begin{array}{r} 188 \\ 37 \overline{) 6983} \\ \underline{6956} \end{array}$$

----

27 ← remainder

$$6983 \div 41 = 170 \text{ remainder } 13$$

$$\begin{array}{r} 170 \\ 41 \overline{) 6983} \\ \underline{6970} \end{array}$$

----

13 ← remainder

$$6983 \div 43 = 162 \text{ remainder } 17$$

$$\begin{array}{r} 162 \\ 43 \overline{) 6983} \\ \underline{6966} \end{array}$$

----

17 ← remainder

$$6983 \div 47 = 148 \text{ remainder } 27$$

$$\begin{array}{r} 148 \\ 47 \overline{) 6983} \\ \underline{6956} \end{array}$$

----

27 ← remainder

$$6983 \div 53 = 131 \text{ remainder } 40$$

$$\begin{array}{r} 131 \\ 53 \overline{) 6983} \\ \underline{6943} \end{array}$$

----

40 ← remainder

$$6983 \div 59 = 118 \text{ remainder } 21$$

$$\begin{array}{r} 118 \\ 59 \overline{) 6983} \\ \underline{6962} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 61 = 114 \text{ remainder } 29$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6983} \\ \underline{6954} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 67 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 67 \overline{) 6983} \\ \underline{6968} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 71 = 98 \text{ remainder } 25$$

$$\begin{array}{r} 98 \\ 71 \overline{) 6983} \\ \underline{6958} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 73 = 95 \text{ remainder } 48$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6983} \\ \underline{6935} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$6983 \div 79 = 88 \text{ remainder } 31$$

$$\begin{array}{r} 88 \\ 79 \overline{) 6983} \end{array}$$

6952

----

31 ← remainder

$6983 \div 83 = 84 \text{ remainder } 11$

83 |  $\overline{84 \over 6983}$   
6972

----

11 ← remainder



## **P<sub>899</sub> 6991**

$$6991 \div 2 = 3495 \text{ remainder } 1$$

$$\begin{array}{r} 3495 \\ 2 \overline{) 6991} \\ \underline{6990} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 3 = 2330 \text{ remainder } 1$$

$$\begin{array}{r} 2330 \\ 3 \overline{) 6991} \\ \underline{6990} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 5 = 1398 \text{ remainder } 1$$

$$\begin{array}{r} 1398 \\ 5 \overline{) 6991} \\ \underline{6990} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 7 = 998 \text{ remainder } 5$$

$$\begin{array}{r} 998 \\ 7 \overline{) 6991} \\ \underline{6986} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 11 = 635 \text{ remainder } 6$$

$$\begin{array}{r} 635 \\ 11 \overline{) 6991} \\ \underline{6985} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 13 = 537 \text{ remainder } 10$$

$$\begin{array}{r} 537 \\ 13 \overline{) 6991} \\ \underline{6981} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 17 = 411 \text{ remainder } 4$$

$$\begin{array}{r} 411 \\ 17 \overline{) 6991} \\ \underline{6987} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 19 = 367 \text{ remainder } 18$$

$$\begin{array}{r} 367 \\ 19 \overline{) 6991} \\ \underline{6973} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 23 = 303 \text{ remainder } 22$$

$$\begin{array}{r} 303 \\ 23 \overline{) 6991} \\ \underline{6969} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 29 = 241 \text{ remainder } 2$$

$$\begin{array}{r} 241 \\ 29 \overline{) 6991} \\ \underline{6989} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 31 = 225 \text{ remainder } 16$$

$$\begin{array}{r} 225 \\ 31 \overline{) 6991} \end{array}$$

$$\begin{array}{r} 6975 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6991 \div 37 = 188 \text{ remainder } 35$$

$$\begin{array}{r} 188 \\ 37 \overline{) 6991} \\ \underline{6956} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6991 \div 41 = 170 \text{ remainder } 21$$

$$\begin{array}{r} 170 \\ 41 \overline{) 6991} \\ \underline{6970} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6991 \div 43 = 162 \text{ remainder } 25$$

$$\begin{array}{r} 162 \\ 43 \overline{) 6991} \\ \underline{6966} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6991 \div 47 = 148 \text{ remainder } 35$$

$$\begin{array}{r} 148 \\ 47 \overline{) 6991} \\ \underline{6956} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6991 \div 53 = 131 \text{ remainder } 48$$

$$\begin{array}{r} 131 \\ 53 \overline{) 6991} \\ \underline{6943} \\ \text{----} \\ 48 \leftarrow \text{remainder} \end{array}$$

$$6991 \div 59 = 118 \text{ remainder } 29$$

$$\begin{array}{r} 118 \\ 59 \overline{) 6991} \\ \underline{6962} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 61 = 114 \text{ remainder } 37$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6991} \\ \underline{6954} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 67 = 104 \text{ remainder } 23$$

$$\begin{array}{r} 104 \\ 67 \overline{) 6991} \\ \underline{6968} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 71 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 71 \overline{) 6991} \\ \underline{6958} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 73 = 95 \text{ remainder } 56$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6991} \\ \underline{6935} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$6991 \div 79 = 88 \text{ remainder } 39$$

$$\begin{array}{r} 88 \\ 79 \overline{) 6991} \end{array}$$

6952

----

39 ← remainder

$6991 \div 83 = 84 \text{ remainder } 19$

83 |  $\overline{84 \phantom{00} 6991}$   
6972

----

19 ← remainder

## **P<sub>900</sub> 6997**

$$6997 \div 2 = 3498 \text{ remainder } 1$$

$$\begin{array}{r} 3498 \\ 2 \overline{) 6997} \\ \underline{6996} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 3 = 2332 \text{ remainder } 1$$

$$\begin{array}{r} 2332 \\ 3 \overline{) 6997} \\ \underline{6996} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 5 = 1399 \text{ remainder } 2$$

$$\begin{array}{r} 1399 \\ 5 \overline{) 6997} \\ \underline{6995} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 7 = 999 \text{ remainder } 4$$

$$\begin{array}{r} 999 \\ 7 \overline{) 6997} \\ \underline{6993} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 11 = 636 \text{ remainder } 1$$

$$\begin{array}{r} 636 \\ 11 \overline{) 6997} \\ \underline{6996} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 13 = 538 \text{ remainder } 3$$

$$\begin{array}{r} 538 \\ 13 \overline{) 6997} \\ \underline{6994} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 17 = 411 \text{ remainder } 10$$

$$\begin{array}{r} 411 \\ 17 \overline{) 6997} \\ \underline{6987} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 19 = 368 \text{ remainder } 5$$

$$\begin{array}{r} 368 \\ 19 \overline{) 6997} \\ \underline{6992} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 23 = 304 \text{ remainder } 5$$

$$\begin{array}{r} 304 \\ 23 \overline{) 6997} \\ \underline{6992} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 29 = 241 \text{ remainder } 8$$

$$\begin{array}{r} 241 \\ 29 \overline{) 6997} \\ \underline{6989} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 31 = 225 \text{ remainder } 22$$

$$\begin{array}{r} 225 \\ 31 \overline{) 6997} \end{array}$$

```

6975
----
22  ← remainder

```

$$6997 \div 37 = 189 \text{ remainder } 4$$

```

      189
37 | 6997
    6993
    ----
      4  ← remainder

```

$$6997 \div 41 = 170 \text{ remainder } 27$$

```

      170
41 | 6997
    6970
    ----
     27  ← remainder

```

$$6997 \div 43 = 162 \text{ remainder } 31$$

```

      162
43 | 6997
    6966
    ----
     31  ← remainder

```

$$6997 \div 47 = 148 \text{ remainder } 41$$

```

      148
47 | 6997
    6956
    ----
     41  ← remainder

```

$$6997 \div 53 = 132 \text{ remainder } 1$$

```

      132
53 | 6997
    6996
    ----
      1  ← remainder

```



$$6997 \div 59 = 118 \text{ remainder } 35$$

$$\begin{array}{r} 118 \\ 59 \overline{) 6997} \\ \underline{6962} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 61 = 114 \text{ remainder } 43$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6997} \\ \underline{6954} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 67 = 104 \text{ remainder } 29$$

$$\begin{array}{r} 104 \\ 67 \overline{) 6997} \\ \underline{6968} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 71 = 98 \text{ remainder } 39$$

$$\begin{array}{r} 98 \\ 71 \overline{) 6997} \\ \underline{6958} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 73 = 95 \text{ remainder } 62$$

$$\begin{array}{r} 95 \\ 73 \overline{) 6997} \\ \underline{6935} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$6997 \div 79 = 88 \text{ remainder } 45$$

$$\begin{array}{r} 88 \\ 79 \overline{) 6997} \end{array}$$

6952

----

45 ← remainder

$6997 \div 83 = 84 \text{ remainder } 25$

83 |  $\overline{84}$   
 $\overline{6997}$   
6972

----

25 ← remainder

## **P<sub>901</sub> 7001**

$$7001 \div 2 = 3500 \text{ remainder } 1$$

$$\begin{array}{r} 3500 \\ 2 \overline{) 7001} \\ \underline{7000} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 3 = 2333 \text{ remainder } 2$$

$$\begin{array}{r} 2333 \\ 3 \overline{) 7001} \\ \underline{6999} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 5 = 1400 \text{ remainder } 1$$

$$\begin{array}{r} 1400 \\ 5 \overline{) 7001} \\ \underline{7000} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 7 = 1000 \text{ remainder } 1$$

$$\begin{array}{r} 1000 \\ 7 \overline{) 7001} \\ \underline{7000} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 11 = 636 \text{ remainder } 5$$

$$\begin{array}{r} 636 \\ 11 \overline{) 7001} \\ \underline{6996} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 13 = 538 \text{ remainder } 7$$

$$\begin{array}{r} 538 \\ 13 \overline{) 7001} \\ \underline{6994} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 17 = 411 \text{ remainder } 14$$

$$\begin{array}{r} 411 \\ 17 \overline{) 7001} \\ \underline{6987} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 19 = 368 \text{ remainder } 9$$

$$\begin{array}{r} 368 \\ 19 \overline{) 7001} \\ \underline{6992} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 23 = 304 \text{ remainder } 9$$

$$\begin{array}{r} 304 \\ 23 \overline{) 7001} \\ \underline{6992} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 29 = 241 \text{ remainder } 12$$

$$\begin{array}{r} 241 \\ 29 \overline{) 7001} \\ \underline{6989} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 31 = 225 \text{ remainder } 26$$

$$\begin{array}{r} 225 \\ 31 \overline{) 7001} \end{array}$$

$$\begin{array}{r} 6975 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7001 \div 37 = 189 \text{ remainder } 8$$

$$\begin{array}{r} 189 \\ 37 \overline{) 7001} \\ \underline{6993} \\ 8 \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7001 \div 41 = 170 \text{ remainder } 31$$

$$\begin{array}{r} 170 \\ 41 \overline{) 7001} \\ \underline{6970} \\ 31 \\ \text{----} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$7001 \div 43 = 162 \text{ remainder } 35$$

$$\begin{array}{r} 162 \\ 43 \overline{) 7001} \\ \underline{6966} \\ 35 \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7001 \div 47 = 148 \text{ remainder } 45$$

$$\begin{array}{r} 148 \\ 47 \overline{) 7001} \\ \underline{6956} \\ 45 \\ \text{----} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$7001 \div 53 = 132 \text{ remainder } 5$$

$$\begin{array}{r} 132 \\ 53 \overline{) 7001} \\ \underline{6996} \\ 5 \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7001 \div 59 = 118 \text{ remainder } 39$$

$$\begin{array}{r} 118 \\ 59 \overline{) 7001} \\ \underline{6962} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 61 = 114 \text{ remainder } 47$$

$$\begin{array}{r} 114 \\ 61 \overline{) 7001} \\ \underline{6954} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 67 = 104 \text{ remainder } 33$$

$$\begin{array}{r} 104 \\ 67 \overline{) 7001} \\ \underline{6968} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 71 = 98 \text{ remainder } 43$$

$$\begin{array}{r} 98 \\ 71 \overline{) 7001} \\ \underline{6958} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 73 = 95 \text{ remainder } 66$$

$$\begin{array}{r} 95 \\ 73 \overline{) 7001} \\ \underline{6935} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$7001 \div 79 = 88 \text{ remainder } 49$$

$$\begin{array}{r} 88 \\ 79 \overline{) 7001} \end{array}$$

6952

----

49 ← remainder

$7001 \div 83 = 84 \text{ remainder } 29$

83 |  $\overline{7001}$   
84  
 $\overline{6972}$

----

29 ← remainder

## **P<sub>902</sub> 7013**

$$7013 \div 2 = 3506 \text{ remainder } 1$$

$$\begin{array}{r} 3506 \\ 2 \overline{) 7013} \\ \underline{7012} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 3 = 2337 \text{ remainder } 2$$

$$\begin{array}{r} 2337 \\ 3 \overline{) 7013} \\ \underline{7011} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 5 = 1402 \text{ remainder } 3$$

$$\begin{array}{r} 1402 \\ 5 \overline{) 7013} \\ \underline{7010} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 7 = 1001 \text{ remainder } 6$$

$$\begin{array}{r} 1001 \\ 7 \overline{) 7013} \\ \underline{7007} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 11 = 637 \text{ remainder } 6$$

$$\begin{array}{r} 637 \\ 11 \overline{) 7013} \\ \underline{7007} \\ 6 \end{array} \leftarrow \text{remainder}$$



$$7013 \div 13 = 539 \text{ remainder } 6$$

$$\begin{array}{r} 539 \\ 13 \overline{) 7013} \\ \underline{7007} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 17 = 412 \text{ remainder } 9$$

$$\begin{array}{r} 412 \\ 17 \overline{) 7013} \\ \underline{7004} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 19 = 369 \text{ remainder } 2$$

$$\begin{array}{r} 369 \\ 19 \overline{) 7013} \\ \underline{7011} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 23 = 304 \text{ remainder } 21$$

$$\begin{array}{r} 304 \\ 23 \overline{) 7013} \\ \underline{6992} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 29 = 241 \text{ remainder } 24$$

$$\begin{array}{r} 241 \\ 29 \overline{) 7013} \\ \underline{6989} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 31 = 226 \text{ remainder } 7$$

$$\begin{array}{r} 226 \\ 31 \overline{) 7013} \end{array}$$

$$\begin{array}{r} 7006 \\ ---- \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7013 \div 37 = 189 \text{ remainder } 20$$

$$\begin{array}{r} 189 \\ 37 \overline{) 7013} \\ \underline{6993} \\ 20 \\ ---- \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7013 \div 41 = 171 \text{ remainder } 2$$

$$\begin{array}{r} 171 \\ 41 \overline{) 7013} \\ \underline{7011} \\ 2 \\ ---- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7013 \div 43 = 163 \text{ remainder } 4$$

$$\begin{array}{r} 163 \\ 43 \overline{) 7013} \\ \underline{7009} \\ 4 \\ ---- \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7013 \div 47 = 149 \text{ remainder } 10$$

$$\begin{array}{r} 149 \\ 47 \overline{) 7013} \\ \underline{7003} \\ 10 \\ ---- \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7013 \div 53 = 132 \text{ remainder } 17$$

$$\begin{array}{r} 132 \\ 53 \overline{) 7013} \\ \underline{6996} \\ 17 \\ ---- \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7013 \div 59 = 118 \text{ remainder } 51$$

$$\begin{array}{r} 118 \\ 59 \overline{) 7013} \\ \underline{6962} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 61 = 114 \text{ remainder } 59$$

$$\begin{array}{r} 114 \\ 61 \overline{) 7013} \\ \underline{6954} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 67 = 104 \text{ remainder } 45$$

$$\begin{array}{r} 104 \\ 67 \overline{) 7013} \\ \underline{6968} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 71 = 98 \text{ remainder } 55$$

$$\begin{array}{r} 98 \\ 71 \overline{) 7013} \\ \underline{6958} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 73 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 73 \overline{) 7013} \\ \underline{7008} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7013 \div 79 = 88 \text{ remainder } 61$$

$$\begin{array}{r} 88 \\ 79 \overline{) 7013} \end{array}$$

6952

----

61 ← remainder

$7013 \div 83 = 84 \text{ remainder } 41$

83 |  $\overline{7013}$   
84  
 $\overline{6972}$

----

41 ← remainder

## **P<sub>903</sub> 7019**

$$7019 \div 2 = 3509 \text{ remainder } 1$$

$$\begin{array}{r} 3509 \\ 2 \overline{) 7019} \\ \underline{7018} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 3 = 2339 \text{ remainder } 2$$

$$\begin{array}{r} 2339 \\ 3 \overline{) 7019} \\ \underline{7017} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 5 = 1403 \text{ remainder } 4$$

$$\begin{array}{r} 1403 \\ 5 \overline{) 7019} \\ \underline{7015} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 7 = 1002 \text{ remainder } 5$$

$$\begin{array}{r} 1002 \\ 7 \overline{) 7019} \\ \underline{7014} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 11 = 638 \text{ remainder } 1$$

$$\begin{array}{r} 638 \\ 11 \overline{) 7019} \\ \underline{7018} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 13 = 539 \text{ remainder } 12$$

$$\begin{array}{r} 539 \\ 13 \overline{) 7019} \\ \underline{7007} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 17 = 412 \text{ remainder } 15$$

$$\begin{array}{r} 412 \\ 17 \overline{) 7019} \\ \underline{7004} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 19 = 369 \text{ remainder } 8$$

$$\begin{array}{r} 369 \\ 19 \overline{) 7019} \\ \underline{7011} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 23 = 305 \text{ remainder } 4$$

$$\begin{array}{r} 305 \\ 23 \overline{) 7019} \\ \underline{7015} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 29 = 242 \text{ remainder } 1$$

$$\begin{array}{r} 242 \\ 29 \overline{) 7019} \\ \underline{7018} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 31 = 226 \text{ remainder } 13$$

$$\begin{array}{r} 226 \\ 31 \overline{) 7019} \end{array}$$

$$\begin{array}{r} 7006 \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7019 \div 37 = 189 \text{ remainder } 26$$

$$\begin{array}{r} 189 \\ 37 \overline{) 7019} \\ \underline{6993} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7019 \div 41 = 171 \text{ remainder } 8$$

$$\begin{array}{r} 171 \\ 41 \overline{) 7019} \\ \underline{7011} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7019 \div 43 = 163 \text{ remainder } 10$$

$$\begin{array}{r} 163 \\ 43 \overline{) 7019} \\ \underline{7009} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7019 \div 47 = 149 \text{ remainder } 16$$

$$\begin{array}{r} 149 \\ 47 \overline{) 7019} \\ \underline{7003} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7019 \div 53 = 132 \text{ remainder } 23$$

$$\begin{array}{r} 132 \\ 53 \overline{) 7019} \\ \underline{6996} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7019 \div 59 = 118 \text{ remainder } 57$$

$$\begin{array}{r} 118 \\ 59 \overline{) 7019} \\ \underline{6962} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 61 = 115 \text{ remainder } 4$$

$$\begin{array}{r} 115 \\ 61 \overline{) 7019} \\ \underline{7015} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 67 = 104 \text{ remainder } 51$$

$$\begin{array}{r} 104 \\ 67 \overline{) 7019} \\ \underline{6968} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 71 = 98 \text{ remainder } 61$$

$$\begin{array}{r} 98 \\ 71 \overline{) 7019} \\ \underline{6958} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 73 = 96 \text{ remainder } 11$$

$$\begin{array}{r} 96 \\ 73 \overline{) 7019} \\ \underline{7008} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7019 \div 79 = 88 \text{ remainder } 67$$

$$\begin{array}{r} 88 \\ 79 \overline{) 7019} \end{array}$$



6952

----

67 ← remainder

$7019 \div 83 = 84 \text{ remainder } 47$

83 |  $\overline{7019}$   
84  
 $\overline{6972}$

----

47 ← remainder

## **P<sub>904</sub> 7027**

$$7027 \div 2 = 3513 \text{ remainder } 1$$

$$\begin{array}{r} 3513 \\ 2 \overline{) 7027} \\ \underline{7026} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 3 = 2342 \text{ remainder } 1$$

$$\begin{array}{r} 2342 \\ 3 \overline{) 7027} \\ \underline{7026} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 5 = 1405 \text{ remainder } 2$$

$$\begin{array}{r} 1405 \\ 5 \overline{) 7027} \\ \underline{7025} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 7 = 1003 \text{ remainder } 6$$

$$\begin{array}{r} 1003 \\ 7 \overline{) 7027} \\ \underline{7021} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 11 = 638 \text{ remainder } 9$$

$$\begin{array}{r} 638 \\ 11 \overline{) 7027} \\ \underline{7018} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 13 = 540 \text{ remainder } 7$$

$$\begin{array}{r} 540 \\ 13 \overline{) 7027} \\ \underline{7020} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 17 = 413 \text{ remainder } 6$$

$$\begin{array}{r} 413 \\ 17 \overline{) 7027} \\ \underline{7021} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 19 = 369 \text{ remainder } 16$$

$$\begin{array}{r} 369 \\ 19 \overline{) 7027} \\ \underline{7011} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 23 = 305 \text{ remainder } 12$$

$$\begin{array}{r} 305 \\ 23 \overline{) 7027} \\ \underline{7015} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 29 = 242 \text{ remainder } 9$$

$$\begin{array}{r} 242 \\ 29 \overline{) 7027} \\ \underline{7018} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7027 \div 31 = 226 \text{ remainder } 21$$

$$\begin{array}{r} 226 \\ 31 \overline{) 7027} \end{array}$$

```

7006
----
21  ← remainder

```

$$7027 \div 37 = 189 \text{ remainder } 34$$

```

      189
37 | 7027
    6993
    ----
      34  ← remainder

```

$$7027 \div 41 = 171 \text{ remainder } 16$$

```

      171
41 | 7027
    7011
    ----
      16  ← remainder

```

$$7027 \div 43 = 163 \text{ remainder } 18$$

```

      163
43 | 7027
    7009
    ----
      18  ← remainder

```

$$7027 \div 47 = 149 \text{ remainder } 24$$

```

      149
47 | 7027
    7003
    ----
      24  ← remainder

```

$$7027 \div 53 = 132 \text{ remainder } 31$$

```

      132
53 | 7027
    6996
    ----
      31  ← remainder

```

$$7027 \div 59 = 119 \text{ remainder } 6$$

$$\begin{array}{r} 119 \\ 59 \overline{) 7027} \\ \underline{7021} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7027 \div 61 = 115 \text{ remainder } 12$$

$$\begin{array}{r} 115 \\ 61 \overline{) 7027} \\ \underline{7015} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7027 \div 67 = 104 \text{ remainder } 59$$

$$\begin{array}{r} 104 \\ 67 \overline{) 7027} \\ \underline{6968} \phantom{00} \\ 59 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7027 \div 71 = 98 \text{ remainder } 69$$

$$\begin{array}{r} 98 \\ 71 \overline{) 7027} \\ \underline{6958} \phantom{00} \\ 69 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7027 \div 73 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 73 \overline{) 7027} \\ \underline{7008} \phantom{00} \\ 19 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7027 \div 79 = 88 \text{ remainder } 75$$

$$\begin{array}{r} 88 \\ 79 \overline{) 7027} \end{array}$$

6952

----

75 ← remainder

$$7027 \div 83 = 84 \text{ remainder } 55$$

$$\begin{array}{r} 84 \\ 83 \overline{) 7027} \\ \underline{6972} \end{array}$$

----

55 ← remainder

## **P<sub>905</sub> 7039**

$$7039 \div 2 = 3519 \text{ remainder } 1$$

$$\begin{array}{r} 3519 \\ 2 \overline{) 7039} \\ \underline{7038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 3 = 2346 \text{ remainder } 1$$

$$\begin{array}{r} 2346 \\ 3 \overline{) 7039} \\ \underline{7038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 5 = 1407 \text{ remainder } 4$$

$$\begin{array}{r} 1407 \\ 5 \overline{) 7039} \\ \underline{7035} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 7 = 1005 \text{ remainder } 4$$

$$\begin{array}{r} 1005 \\ 7 \overline{) 7039} \\ \underline{7035} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 11 = 639 \text{ remainder } 10$$

$$\begin{array}{r} 639 \\ 11 \overline{) 7039} \\ \underline{7029} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 13 = 541 \text{ remainder } 6$$

$$\begin{array}{r} 541 \\ 13 \overline{) 7039} \\ \underline{7033} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 17 = 414 \text{ remainder } 1$$

$$\begin{array}{r} 414 \\ 17 \overline{) 7039} \\ \underline{7038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 19 = 370 \text{ remainder } 9$$

$$\begin{array}{r} 370 \\ 19 \overline{) 7039} \\ \underline{7030} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 23 = 306 \text{ remainder } 1$$

$$\begin{array}{r} 306 \\ 23 \overline{) 7039} \\ \underline{7038} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 29 = 242 \text{ remainder } 21$$

$$\begin{array}{r} 242 \\ 29 \overline{) 7039} \\ \underline{7018} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 31 = 227 \text{ remainder } 2$$

$$\begin{array}{r} 227 \\ 31 \overline{) 7039} \end{array}$$



$$\begin{array}{r} 7037 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7039 \div 37 = 190 \text{ remainder } 9$$

$$\begin{array}{r} 190 \\ 37 \overline{) 7039} \\ \underline{7030} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7039 \div 41 = 171 \text{ remainder } 28$$

$$\begin{array}{r} 171 \\ 41 \overline{) 7039} \\ \underline{7011} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7039 \div 43 = 163 \text{ remainder } 30$$

$$\begin{array}{r} 163 \\ 43 \overline{) 7039} \\ \underline{7009} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7039 \div 47 = 149 \text{ remainder } 36$$

$$\begin{array}{r} 149 \\ 47 \overline{) 7039} \\ \underline{7003} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7039 \div 53 = 132 \text{ remainder } 43$$

$$\begin{array}{r} 132 \\ 53 \overline{) 7039} \\ \underline{6996} \\ \text{----} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$7039 \div 59 = 119 \text{ remainder } 18$$

$$\begin{array}{r} 119 \\ 59 \overline{) 7039} \\ \underline{7021} \phantom{00} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 61 = 115 \text{ remainder } 24$$

$$\begin{array}{r} 115 \\ 61 \overline{) 7039} \\ \underline{7015} \phantom{00} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 67 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 67 \overline{) 7039} \\ \underline{7035} \phantom{00} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 71 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 71 \overline{) 7039} \\ \underline{7029} \phantom{00} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 73 = 96 \text{ remainder } 31$$

$$\begin{array}{r} 96 \\ 73 \overline{) 7039} \\ \underline{7008} \phantom{00} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7039 \div 79 = 89 \text{ remainder } 8$$

$$\begin{array}{r} 89 \\ 79 \overline{) 7039} \end{array}$$

7031

----

8 ← remainder

$7039 \div 83 = 84 \text{ remainder } 67$

83 |  $\overline{84 \phantom{00} 7039}$   
6972

----

67 ← remainder

## **P<sub>906</sub> 7043**

$$7043 \div 2 = 3521 \text{ remainder } 1$$

$$\begin{array}{r} 3521 \\ 2 \overline{) 7043} \\ \underline{7042} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 3 = 2347 \text{ remainder } 2$$

$$\begin{array}{r} 2347 \\ 3 \overline{) 7043} \\ \underline{7041} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 5 = 1408 \text{ remainder } 3$$

$$\begin{array}{r} 1408 \\ 5 \overline{) 7043} \\ \underline{7040} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 7 = 1006 \text{ remainder } 1$$

$$\begin{array}{r} 1006 \\ 7 \overline{) 7043} \\ \underline{7042} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 11 = 640 \text{ remainder } 3$$

$$\begin{array}{r} 640 \\ 11 \overline{) 7043} \\ \underline{7040} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 13 = 541 \text{ remainder } 10$$

$$\begin{array}{r} 541 \\ 13 \overline{) 7043} \\ \underline{7033} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 17 = 414 \text{ remainder } 5$$

$$\begin{array}{r} 414 \\ 17 \overline{) 7043} \\ \underline{7038} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 19 = 370 \text{ remainder } 13$$

$$\begin{array}{r} 370 \\ 19 \overline{) 7043} \\ \underline{7030} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 23 = 306 \text{ remainder } 5$$

$$\begin{array}{r} 306 \\ 23 \overline{) 7043} \\ \underline{7038} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 29 = 242 \text{ remainder } 25$$

$$\begin{array}{r} 242 \\ 29 \overline{) 7043} \\ \underline{7018} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 31 = 227 \text{ remainder } 6$$

$$\begin{array}{r} 227 \\ 31 \overline{) 7043} \end{array}$$

$$\begin{array}{r} 7037 \\ ---- \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7043 \div 37 = 190 \text{ remainder } 13$$

$$\begin{array}{r} 190 \\ 37 \overline{) 7043} \\ \underline{7030} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7043 \div 41 = 171 \text{ remainder } 32$$

$$\begin{array}{r} 171 \\ 41 \overline{) 7043} \\ \underline{7011} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7043 \div 43 = 163 \text{ remainder } 34$$

$$\begin{array}{r} 163 \\ 43 \overline{) 7043} \\ \underline{7009} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7043 \div 47 = 149 \text{ remainder } 40$$

$$\begin{array}{r} 149 \\ 47 \overline{) 7043} \\ \underline{7003} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$7043 \div 53 = 132 \text{ remainder } 47$$

$$\begin{array}{r} 132 \\ 53 \overline{) 7043} \\ \underline{6996} \\ 47 \leftarrow \text{remainder} \end{array}$$

$$7043 \div 59 = 119 \text{ remainder } 22$$

$$\begin{array}{r} 119 \\ 59 \overline{) 7043} \\ \underline{7021} \phantom{00} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 61 = 115 \text{ remainder } 28$$

$$\begin{array}{r} 115 \\ 61 \overline{) 7043} \\ \underline{7015} \phantom{00} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 67 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 67 \overline{) 7043} \\ \underline{7035} \phantom{00} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 71 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 71 \overline{) 7043} \\ \underline{7029} \phantom{00} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 73 = 96 \text{ remainder } 35$$

$$\begin{array}{r} 96 \\ 73 \overline{) 7043} \\ \underline{7008} \phantom{00} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7043 \div 79 = 89 \text{ remainder } 12$$

$$\begin{array}{r} 89 \\ 79 \overline{) 7043} \end{array}$$

7031

----

12 ← remainder

$7043 \div 83 = 84 \text{ remainder } 71$

83 |  $\overline{7043}$   
84  
 $\overline{6972}$

----

71 ← remainder



## **P<sub>907</sub> 7057**

$$7057 \div 2 = 3528 \text{ remainder } 1$$

$$\begin{array}{r} 3528 \\ 2 \overline{) 7057} \\ \underline{7056} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 3 = 2352 \text{ remainder } 1$$

$$\begin{array}{r} 2352 \\ 3 \overline{) 7057} \\ \underline{7056} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 5 = 1411 \text{ remainder } 2$$

$$\begin{array}{r} 1411 \\ 5 \overline{) 7057} \\ \underline{7055} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 7 = 1008 \text{ remainder } 1$$

$$\begin{array}{r} 1008 \\ 7 \overline{) 7057} \\ \underline{7056} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 11 = 641 \text{ remainder } 6$$

$$\begin{array}{r} 641 \\ 11 \overline{) 7057} \\ \underline{7051} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 13 = 542 \text{ remainder } 11$$

$$\begin{array}{r} 542 \\ 13 \overline{) 7057} \\ \underline{7046} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 17 = 415 \text{ remainder } 2$$

$$\begin{array}{r} 415 \\ 17 \overline{) 7057} \\ \underline{7055} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 19 = 371 \text{ remainder } 8$$

$$\begin{array}{r} 371 \\ 19 \overline{) 7057} \\ \underline{7049} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 23 = 306 \text{ remainder } 19$$

$$\begin{array}{r} 306 \\ 23 \overline{) 7057} \\ \underline{7038} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 29 = 243 \text{ remainder } 10$$

$$\begin{array}{r} 243 \\ 29 \overline{) 7057} \\ \underline{7047} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 31 = 227 \text{ remainder } 20$$

$$\begin{array}{r} 227 \\ 31 \overline{) 7057} \end{array}$$

$$\begin{array}{r} 7037 \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7057 \div 37 = 190 \text{ remainder } 27$$

$$\begin{array}{r} 190 \\ 37 \mid \overline{7057} \\ \underline{7030} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7057 \div 41 = 172 \text{ remainder } 5$$

$$\begin{array}{r} 172 \\ 41 \mid \overline{7057} \\ \underline{7052} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7057 \div 43 = 164 \text{ remainder } 5$$

$$\begin{array}{r} 164 \\ 43 \mid \overline{7057} \\ \underline{7052} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7057 \div 47 = 150 \text{ remainder } 7$$

$$\begin{array}{r} 150 \\ 47 \mid \overline{7057} \\ \underline{7050} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7057 \div 53 = 133 \text{ remainder } 8$$

$$\begin{array}{r} 133 \\ 53 \mid \overline{7057} \\ \underline{7049} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7057 \div 59 = 119 \text{ remainder } 36$$

$$\begin{array}{r} 119 \\ 59 \overline{) 7057} \\ \underline{7021} \phantom{00} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 61 = 115 \text{ remainder } 42$$

$$\begin{array}{r} 115 \\ 61 \overline{) 7057} \\ \underline{7015} \phantom{00} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 67 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 67 \overline{) 7057} \\ \underline{7035} \phantom{00} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 71 = 99 \text{ remainder } 28$$

$$\begin{array}{r} 99 \\ 71 \overline{) 7057} \\ \underline{7029} \phantom{00} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 73 = 96 \text{ remainder } 49$$

$$\begin{array}{r} 96 \\ 73 \overline{) 7057} \\ \underline{7008} \phantom{00} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7057 \div 79 = 89 \text{ remainder } 26$$

$$\begin{array}{r} 89 \\ 79 \overline{) 7057} \end{array}$$

7031

----

26 ← remainder

$$7057 \div 83 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 83 \overline{) 7057} \\ \underline{7055} \end{array}$$

----

2 ← remainder

## **P<sub>908</sub> 7069**

$$7069 \div 2 = 3534 \text{ remainder } 1$$

$$\begin{array}{r} 3534 \\ 2 \overline{) 7069} \\ \underline{7068} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 3 = 2356 \text{ remainder } 1$$

$$\begin{array}{r} 2356 \\ 3 \overline{) 7069} \\ \underline{7068} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 5 = 1413 \text{ remainder } 4$$

$$\begin{array}{r} 1413 \\ 5 \overline{) 7069} \\ \underline{7065} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 7 = 1009 \text{ remainder } 6$$

$$\begin{array}{r} 1009 \\ 7 \overline{) 7069} \\ \underline{7063} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 11 = 642 \text{ remainder } 7$$

$$\begin{array}{r} 642 \\ 11 \overline{) 7069} \\ \underline{7062} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 13 = 543 \text{ remainder } 10$$

$$\begin{array}{r} 543 \\ 13 \overline{) 7069} \\ \underline{7059} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 17 = 415 \text{ remainder } 14$$

$$\begin{array}{r} 415 \\ 17 \overline{) 7069} \\ \underline{7055} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 19 = 372 \text{ remainder } 1$$

$$\begin{array}{r} 372 \\ 19 \overline{) 7069} \\ \underline{7068} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 23 = 307 \text{ remainder } 8$$

$$\begin{array}{r} 307 \\ 23 \overline{) 7069} \\ \underline{7061} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 29 = 243 \text{ remainder } 22$$

$$\begin{array}{r} 243 \\ 29 \overline{) 7069} \\ \underline{7047} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 31 = 228 \text{ remainder } 1$$

$$\begin{array}{r} 228 \\ 31 \overline{) 7069} \end{array}$$

```

7068
----
1  ← remainder

```

$$7069 \div 37 = 191 \text{ remainder } 2$$

```

      191
37 | 7069
    7067
    ----
      2  ← remainder

```

$$7069 \div 41 = 172 \text{ remainder } 17$$

```

      172
41 | 7069
    7052
    ----
     17  ← remainder

```

$$7069 \div 43 = 164 \text{ remainder } 17$$

```

      164
43 | 7069
    7052
    ----
     17  ← remainder

```

$$7069 \div 47 = 150 \text{ remainder } 19$$

```

      150
47 | 7069
    7050
    ----
     19  ← remainder

```

$$7069 \div 53 = 133 \text{ remainder } 20$$

```

      133
53 | 7069
    7049
    ----
     20  ← remainder

```



$$7069 \div 59 = 119 \text{ remainder } 48$$

$$\begin{array}{r} 119 \\ 59 \overline{) 7069} \\ \underline{7021} \phantom{00} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 61 = 115 \text{ remainder } 54$$

$$\begin{array}{r} 115 \\ 61 \overline{) 7069} \\ \underline{7015} \phantom{00} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 67 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 67 \overline{) 7069} \\ \underline{7035} \phantom{00} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 71 = 99 \text{ remainder } 40$$

$$\begin{array}{r} 99 \\ 71 \overline{) 7069} \\ \underline{7029} \phantom{00} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 73 = 96 \text{ remainder } 61$$

$$\begin{array}{r} 96 \\ 73 \overline{) 7069} \\ \underline{7008} \phantom{00} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$7069 \div 79 = 89 \text{ remainder } 38$$

$$\begin{array}{r} 89 \\ 79 \overline{) 7069} \end{array}$$

7031

----

38 ← remainder

$7069 \div 83 = 85 \text{ remainder } 14$

83 |  $\overline{7069}$   
      85  
       $\overline{7055}$

----

14 ← remainder

## **P<sub>909</sub> 7079**

$$7079 \div 2 = 3539 \text{ remainder } 1$$

$$\begin{array}{r} 3539 \\ 2 \overline{) 7079} \\ \underline{7078} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 3 = 2359 \text{ remainder } 2$$

$$\begin{array}{r} 2359 \\ 3 \overline{) 7079} \\ \underline{7077} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 5 = 1415 \text{ remainder } 4$$

$$\begin{array}{r} 1415 \\ 5 \overline{) 7079} \\ \underline{7075} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 7 = 1011 \text{ remainder } 2$$

$$\begin{array}{r} 1011 \\ 7 \overline{) 7079} \\ \underline{7077} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 11 = 643 \text{ remainder } 6$$

$$\begin{array}{r} 643 \\ 11 \overline{) 7079} \\ \underline{7073} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 13 = 544 \text{ remainder } 7$$

$$\begin{array}{r} 544 \\ 13 \overline{) 7079} \\ \underline{7072} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7079 \div 17 = 416 \text{ remainder } 7$$

$$\begin{array}{r} 416 \\ 17 \overline{) 7079} \\ \underline{7072} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7079 \div 19 = 372 \text{ remainder } 11$$

$$\begin{array}{r} 372 \\ 19 \overline{) 7079} \\ \underline{7068} \phantom{00} \\ 11 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7079 \div 23 = 307 \text{ remainder } 18$$

$$\begin{array}{r} 307 \\ 23 \overline{) 7079} \\ \underline{7061} \phantom{00} \\ 18 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7079 \div 29 = 244 \text{ remainder } 3$$

$$\begin{array}{r} 244 \\ 29 \overline{) 7079} \\ \underline{7076} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7079 \div 31 = 228 \text{ remainder } 11$$

$$\begin{array}{r} 228 \\ 31 \overline{) 7079} \end{array}$$

7068

----

11 ← remainder

$7079 \div 37 = 191 \text{ remainder } 12$

191  
37 |  $\overline{7079}$   
7067

----

12 ← remainder

$7079 \div 41 = 172 \text{ remainder } 27$

172  
41 |  $\overline{7079}$   
7052

----

27 ← remainder

$7079 \div 43 = 164 \text{ remainder } 27$

164  
43 |  $\overline{7079}$   
7052

----

27 ← remainder

$7079 \div 47 = 150 \text{ remainder } 29$

150  
47 |  $\overline{7079}$   
7050

----

29 ← remainder

$7079 \div 53 = 133 \text{ remainder } 30$

133  
53 |  $\overline{7079}$   
7049

----

30 ← remainder

$$7079 \div 59 = 119 \text{ remainder } 58$$

$$\begin{array}{r} 119 \\ 59 \overline{) 7079} \\ \underline{7021} \phantom{00} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 61 = 116 \text{ remainder } 3$$

$$\begin{array}{r} 116 \\ 61 \overline{) 7079} \\ \underline{7076} \phantom{00} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 67 = 105 \text{ remainder } 44$$

$$\begin{array}{r} 105 \\ 67 \overline{) 7079} \\ \underline{7035} \phantom{00} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 71 = 99 \text{ remainder } 50$$

$$\begin{array}{r} 99 \\ 71 \overline{) 7079} \\ \underline{7029} \phantom{00} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 73 = 96 \text{ remainder } 71$$

$$\begin{array}{r} 96 \\ 73 \overline{) 7079} \\ \underline{7008} \phantom{00} \\ 71 \end{array} \leftarrow \text{remainder}$$

$$7079 \div 79 = 89 \text{ remainder } 48$$

$$\begin{array}{r} 89 \\ 79 \overline{) 7079} \end{array}$$

7031

----

48 ← remainder

$7079 \div 83 = 85 \text{ remainder } 24$

83 |  $\overline{7079}$   
      85  
       $\overline{7055}$

----

24 ← remainder

## **P<sub>910</sub> 7103**

$$7103 \div 2 = 3551 \text{ remainder } 1$$

$$\begin{array}{r} 3551 \\ 2 \overline{) 7103} \\ \underline{7102} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 3 = 2367 \text{ remainder } 2$$

$$\begin{array}{r} 2367 \\ 3 \overline{) 7103} \\ \underline{7101} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 5 = 1420 \text{ remainder } 3$$

$$\begin{array}{r} 1420 \\ 5 \overline{) 7103} \\ \underline{7100} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 7 = 1014 \text{ remainder } 5$$

$$\begin{array}{r} 1014 \\ 7 \overline{) 7103} \\ \underline{7098} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 11 = 645 \text{ remainder } 8$$

$$\begin{array}{r} 645 \\ 11 \overline{) 7103} \\ \underline{7095} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$7103 \div 13 = 546 \text{ remainder } 5$$

$$\begin{array}{r} 546 \\ 13 \overline{) 7103} \\ \underline{7098} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 17 = 417 \text{ remainder } 14$$

$$\begin{array}{r} 417 \\ 17 \overline{) 7103} \\ \underline{7089} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 19 = 373 \text{ remainder } 16$$

$$\begin{array}{r} 373 \\ 19 \overline{) 7103} \\ \underline{7087} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 23 = 308 \text{ remainder } 19$$

$$\begin{array}{r} 308 \\ 23 \overline{) 7103} \\ \underline{7084} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 29 = 244 \text{ remainder } 27$$

$$\begin{array}{r} 244 \\ 29 \overline{) 7103} \\ \underline{7076} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 31 = 229 \text{ remainder } 4$$

$$\begin{array}{r} 229 \\ 31 \overline{) 7103} \end{array}$$

$$\begin{array}{r} 7099 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7103 \div 37 = 191 \text{ remainder } 36$$

$$\begin{array}{r} 191 \\ 37 \overline{) 7103} \\ \underline{7067} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7103 \div 41 = 173 \text{ remainder } 10$$

$$\begin{array}{r} 173 \\ 41 \overline{) 7103} \\ \underline{7093} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7103 \div 43 = 165 \text{ remainder } 8$$

$$\begin{array}{r} 165 \\ 43 \overline{) 7103} \\ \underline{7095} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7103 \div 47 = 151 \text{ remainder } 6$$

$$\begin{array}{r} 151 \\ 47 \overline{) 7103} \\ \underline{7097} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7103 \div 53 = 134 \text{ remainder } 1$$

$$\begin{array}{r} 134 \\ 53 \overline{) 7103} \\ \underline{7102} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7103 \div 59 = 120 \text{ remainder } 23$$

$$\begin{array}{r} 120 \\ 59 \overline{) 7103} \\ \underline{7080} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 61 = 116 \text{ remainder } 27$$

$$\begin{array}{r} 116 \\ 61 \overline{) 7103} \\ \underline{7076} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 67 = 106 \text{ remainder } 1$$

$$\begin{array}{r} 106 \\ 67 \overline{) 7103} \\ \underline{7102} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 71 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 71 \overline{) 7103} \\ \underline{7100} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 73 = 97 \text{ remainder } 22$$

$$\begin{array}{r} 97 \\ 73 \overline{) 7103} \\ \underline{7081} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7103 \div 79 = 89 \text{ remainder } 72$$

$$\begin{array}{r} 89 \\ 79 \overline{) 7103} \end{array}$$

7031

----

72 ← remainder

$$7103 \div 83 = 85 \text{ remainder } 48$$

$$\begin{array}{r} 85 \\ 83 \overline{) 7103} \\ \underline{7055} \end{array}$$

----

48 ← remainder

## **P<sub>911</sub> 7109**

$$7109 \div 2 = 3554 \text{ remainder } 1$$

$$\begin{array}{r} 3554 \\ 2 \overline{) 7109} \\ \underline{7108} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 3 = 2369 \text{ remainder } 2$$

$$\begin{array}{r} 2369 \\ 3 \overline{) 7109} \\ \underline{7107} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 5 = 1421 \text{ remainder } 4$$

$$\begin{array}{r} 1421 \\ 5 \overline{) 7109} \\ \underline{7105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 7 = 1015 \text{ remainder } 4$$

$$\begin{array}{r} 1015 \\ 7 \overline{) 7109} \\ \underline{7105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 11 = 646 \text{ remainder } 3$$

$$\begin{array}{r} 646 \\ 11 \overline{) 7109} \\ \underline{7106} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 13 = 546 \text{ remainder } 11$$

$$\begin{array}{r} 546 \\ 13 \overline{) 7109} \\ \underline{7098} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 17 = 418 \text{ remainder } 3$$

$$\begin{array}{r} 418 \\ 17 \overline{) 7109} \\ \underline{7106} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 19 = 374 \text{ remainder } 3$$

$$\begin{array}{r} 374 \\ 19 \overline{) 7109} \\ \underline{7106} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 23 = 309 \text{ remainder } 2$$

$$\begin{array}{r} 309 \\ 23 \overline{) 7109} \\ \underline{7107} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 29 = 245 \text{ remainder } 4$$

$$\begin{array}{r} 245 \\ 29 \overline{) 7109} \\ \underline{7105} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 31 = 229 \text{ remainder } 10$$

$$\begin{array}{r} 229 \\ 31 \overline{) 7109} \end{array}$$

$$\begin{array}{r} 7099 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7109 \div 37 = 192 \text{ remainder } 5$$

$$\begin{array}{r} 192 \\ 37 \overline{) 7109} \\ \underline{7104} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7109 \div 41 = 173 \text{ remainder } 16$$

$$\begin{array}{r} 173 \\ 41 \overline{) 7109} \\ \underline{7093} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7109 \div 43 = 165 \text{ remainder } 14$$

$$\begin{array}{r} 165 \\ 43 \overline{) 7109} \\ \underline{7095} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$7109 \div 47 = 151 \text{ remainder } 12$$

$$\begin{array}{r} 151 \\ 47 \overline{) 7109} \\ \underline{7097} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7109 \div 53 = 134 \text{ remainder } 7$$

$$\begin{array}{r} 134 \\ 53 \overline{) 7109} \\ \underline{7102} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7109 \div 59 = 120 \text{ remainder } 29$$

$$\begin{array}{r} 120 \\ 59 \overline{) 7109} \\ \underline{7080} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 61 = 116 \text{ remainder } 33$$

$$\begin{array}{r} 116 \\ 61 \overline{) 7109} \\ \underline{7076} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 67 = 106 \text{ remainder } 7$$

$$\begin{array}{r} 106 \\ 67 \overline{) 7109} \\ \underline{7102} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 71 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 71 \overline{) 7109} \\ \underline{7100} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 73 = 97 \text{ remainder } 28$$

$$\begin{array}{r} 97 \\ 73 \overline{) 7109} \\ \underline{7081} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7109 \div 79 = 89 \text{ remainder } 78$$

$$\begin{array}{r} 89 \\ 79 \overline{) 7109} \end{array}$$



7031

----

78 ← remainder

$$7109 \div 83 = 85 \text{ remainder } 54$$

$$\begin{array}{r} 85 \\ 83 \overline{) 7109} \\ \underline{7055} \end{array}$$

----

54 ← remainder

## **P<sub>912</sub> 7121**

$$7121 \div 2 = 3560 \text{ remainder } 1$$

$$\begin{array}{r} 3560 \\ 2 \overline{) 7121} \\ \underline{7120} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 3 = 2373 \text{ remainder } 2$$

$$\begin{array}{r} 2373 \\ 3 \overline{) 7121} \\ \underline{7119} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 5 = 1424 \text{ remainder } 1$$

$$\begin{array}{r} 1424 \\ 5 \overline{) 7121} \\ \underline{7120} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 7 = 1017 \text{ remainder } 2$$

$$\begin{array}{r} 1017 \\ 7 \overline{) 7121} \\ \underline{7119} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 11 = 647 \text{ remainder } 4$$

$$\begin{array}{r} 647 \\ 11 \overline{) 7121} \\ \underline{7117} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 13 = 547 \text{ remainder } 10$$

$$\begin{array}{r} 547 \\ 13 \overline{) 7121} \\ \underline{7111} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 17 = 418 \text{ remainder } 15$$

$$\begin{array}{r} 418 \\ 17 \overline{) 7121} \\ \underline{7106} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 19 = 374 \text{ remainder } 15$$

$$\begin{array}{r} 374 \\ 19 \overline{) 7121} \\ \underline{7106} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 23 = 309 \text{ remainder } 14$$

$$\begin{array}{r} 309 \\ 23 \overline{) 7121} \\ \underline{7107} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 29 = 245 \text{ remainder } 16$$

$$\begin{array}{r} 245 \\ 29 \overline{) 7121} \\ \underline{7105} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 31 = 229 \text{ remainder } 22$$

$$\begin{array}{r} 229 \\ 31 \overline{) 7121} \end{array}$$

```

7099
----
22  ← remainder

```

$$7121 \div 37 = 192 \text{ remainder } 17$$

```

      192
37 | 7121
    7104
    ----
      17  ← remainder

```

$$7121 \div 41 = 173 \text{ remainder } 28$$

```

      173
41 | 7121
    7093
    ----
      28  ← remainder

```

$$7121 \div 43 = 165 \text{ remainder } 26$$

```

      165
43 | 7121
    7095
    ----
      26  ← remainder

```

$$7121 \div 47 = 151 \text{ remainder } 24$$

```

      151
47 | 7121
    7097
    ----
      24  ← remainder

```

$$7121 \div 53 = 134 \text{ remainder } 19$$

```

      134
53 | 7121
    7102
    ----
      19  ← remainder

```

$$7121 \div 59 = 120 \text{ remainder } 41$$

$$\begin{array}{r} 120 \\ 59 \overline{) 7121} \\ \underline{7080} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 61 = 116 \text{ remainder } 45$$

$$\begin{array}{r} 116 \\ 61 \overline{) 7121} \\ \underline{7076} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 67 = 106 \text{ remainder } 19$$

$$\begin{array}{r} 106 \\ 67 \overline{) 7121} \\ \underline{7102} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 71 = 100 \text{ remainder } 21$$

$$\begin{array}{r} 100 \\ 71 \overline{) 7121} \\ \underline{7100} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 73 = 97 \text{ remainder } 40$$

$$\begin{array}{r} 97 \\ 73 \overline{) 7121} \\ \underline{7081} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$7121 \div 79 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 79 \overline{) 7121} \end{array}$$

7110

----

11 ← remainder

$7121 \div 83 = 85 \text{ remainder } 66$

83 |  $\overline{7121}$   
7055

----

66 ← remainder

## **P<sub>913</sub> 7127**

$$7127 \div 2 = 3563 \text{ remainder } 1$$

$$\begin{array}{r} 3563 \\ 2 \overline{) 7127} \\ \underline{7126} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 3 = 2375 \text{ remainder } 2$$

$$\begin{array}{r} 2375 \\ 3 \overline{) 7127} \\ \underline{7125} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 5 = 1425 \text{ remainder } 2$$

$$\begin{array}{r} 1425 \\ 5 \overline{) 7127} \\ \underline{7125} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 7 = 1018 \text{ remainder } 1$$

$$\begin{array}{r} 1018 \\ 7 \overline{) 7127} \\ \underline{7126} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 11 = 647 \text{ remainder } 10$$

$$\begin{array}{r} 647 \\ 11 \overline{) 7127} \\ \underline{7117} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 13 = 548 \text{ remainder } 3$$

$$\begin{array}{r} 548 \\ 13 \overline{) 7127} \\ \underline{7124} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 17 = 419 \text{ remainder } 4$$

$$\begin{array}{r} 419 \\ 17 \overline{) 7127} \\ \underline{7123} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 19 = 375 \text{ remainder } 2$$

$$\begin{array}{r} 375 \\ 19 \overline{) 7127} \\ \underline{7125} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 23 = 309 \text{ remainder } 20$$

$$\begin{array}{r} 309 \\ 23 \overline{) 7127} \\ \underline{7107} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 29 = 245 \text{ remainder } 22$$

$$\begin{array}{r} 245 \\ 29 \overline{) 7127} \\ \underline{7105} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 31 = 229 \text{ remainder } 28$$

$$\begin{array}{r} 229 \\ 31 \overline{) 7127} \end{array}$$



$$\begin{array}{r} 7099 \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7127 \div 37 = 192 \text{ remainder } 23$$

$$\begin{array}{r} 192 \\ 37 \overline{) 7127} \\ \underline{7104} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7127 \div 41 = 173 \text{ remainder } 34$$

$$\begin{array}{r} 173 \\ 41 \overline{) 7127} \\ \underline{7093} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7127 \div 43 = 165 \text{ remainder } 32$$

$$\begin{array}{r} 165 \\ 43 \overline{) 7127} \\ \underline{7095} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7127 \div 47 = 151 \text{ remainder } 30$$

$$\begin{array}{r} 151 \\ 47 \overline{) 7127} \\ \underline{7097} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7127 \div 53 = 134 \text{ remainder } 25$$

$$\begin{array}{r} 134 \\ 53 \overline{) 7127} \\ \underline{7102} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7127 \div 59 = 120 \text{ remainder } 47$$

$$\begin{array}{r} 120 \\ 59 \overline{) 7127} \\ \underline{7080} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 61 = 116 \text{ remainder } 51$$

$$\begin{array}{r} 116 \\ 61 \overline{) 7127} \\ \underline{7076} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 67 = 106 \text{ remainder } 25$$

$$\begin{array}{r} 106 \\ 67 \overline{) 7127} \\ \underline{7102} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 71 = 100 \text{ remainder } 27$$

$$\begin{array}{r} 100 \\ 71 \overline{) 7127} \\ \underline{7100} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 73 = 97 \text{ remainder } 46$$

$$\begin{array}{r} 97 \\ 73 \overline{) 7127} \\ \underline{7081} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$7127 \div 79 = 90 \text{ remainder } 17$$

$$\begin{array}{r} 90 \\ 79 \overline{) 7127} \end{array}$$

7110

----

17 ← remainder

$$7127 \div 83 = 85 \text{ remainder } 72$$

$$\begin{array}{r} 85 \\ 83 \overline{) 7127} \\ \underline{7055} \end{array}$$

----

72 ← remainder

## **P<sub>914</sub> 7129**

$$7129 \div 2 = 3564 \text{ remainder } 1$$

$$\begin{array}{r} 3564 \\ 2 \overline{) 7129} \\ \underline{7128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 3 = 2376 \text{ remainder } 1$$

$$\begin{array}{r} 2376 \\ 3 \overline{) 7129} \\ \underline{7128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 5 = 1425 \text{ remainder } 4$$

$$\begin{array}{r} 1425 \\ 5 \overline{) 7129} \\ \underline{7125} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 7 = 1018 \text{ remainder } 3$$

$$\begin{array}{r} 1018 \\ 7 \overline{) 7129} \\ \underline{7126} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 11 = 648 \text{ remainder } 1$$

$$\begin{array}{r} 648 \\ 11 \overline{) 7129} \\ \underline{7128} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 13 = 548 \text{ remainder } 5$$

$$\begin{array}{r} 548 \\ 13 \overline{) 7129} \\ \underline{7124} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 17 = 419 \text{ remainder } 6$$

$$\begin{array}{r} 419 \\ 17 \overline{) 7129} \\ \underline{7123} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 19 = 375 \text{ remainder } 4$$

$$\begin{array}{r} 375 \\ 19 \overline{) 7129} \\ \underline{7125} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 23 = 309 \text{ remainder } 22$$

$$\begin{array}{r} 309 \\ 23 \overline{) 7129} \\ \underline{7107} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 29 = 245 \text{ remainder } 24$$

$$\begin{array}{r} 245 \\ 29 \overline{) 7129} \\ \underline{7105} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 31 = 229 \text{ remainder } 30$$

$$\begin{array}{r} 229 \\ 31 \overline{) 7129} \end{array}$$

$$\begin{array}{r} 7099 \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7129 \div 37 = 192 \text{ remainder } 25$$

$$\begin{array}{r} 192 \\ 37 \mid \overline{7129} \\ \underline{7104} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7129 \div 41 = 173 \text{ remainder } 36$$

$$\begin{array}{r} 173 \\ 41 \mid \overline{7129} \\ \underline{7093} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7129 \div 43 = 165 \text{ remainder } 34$$

$$\begin{array}{r} 165 \\ 43 \mid \overline{7129} \\ \underline{7095} \\ \text{----} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7129 \div 47 = 151 \text{ remainder } 32$$

$$\begin{array}{r} 151 \\ 47 \mid \overline{7129} \\ \underline{7097} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7129 \div 53 = 134 \text{ remainder } 27$$

$$\begin{array}{r} 134 \\ 53 \mid \overline{7129} \\ \underline{7102} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7129 \div 59 = 120 \text{ remainder } 49$$

$$\begin{array}{r} 120 \\ 59 \overline{) 7129} \\ \underline{7080} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 61 = 116 \text{ remainder } 53$$

$$\begin{array}{r} 116 \\ 61 \overline{) 7129} \\ \underline{7076} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 67 = 106 \text{ remainder } 27$$

$$\begin{array}{r} 106 \\ 67 \overline{) 7129} \\ \underline{7102} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 71 = 100 \text{ remainder } 29$$

$$\begin{array}{r} 100 \\ 71 \overline{) 7129} \\ \underline{7100} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 73 = 97 \text{ remainder } 48$$

$$\begin{array}{r} 97 \\ 73 \overline{) 7129} \\ \underline{7081} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7129 \div 79 = 90 \text{ remainder } 19$$

$$\begin{array}{r} 90 \\ 79 \overline{) 7129} \end{array}$$

7110

----

19 ← remainder

$7129 \div 83 = 85 \text{ remainder } 74$

83 |  $\overline{7129}$   
85  
 $\overline{7055}$

----

74 ← remainder



## **P<sub>915</sub> 7151**

$$7151 \div 2 = 3575 \text{ remainder } 1$$

$$\begin{array}{r} 3575 \\ 2 \overline{) 7151} \\ \underline{7150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 3 = 2383 \text{ remainder } 2$$

$$\begin{array}{r} 2383 \\ 3 \overline{) 7151} \\ \underline{7149} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 5 = 1430 \text{ remainder } 1$$

$$\begin{array}{r} 1430 \\ 5 \overline{) 7151} \\ \underline{7150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 7 = 1021 \text{ remainder } 4$$

$$\begin{array}{r} 1021 \\ 7 \overline{) 7151} \\ \underline{7147} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 11 = 650 \text{ remainder } 1$$

$$\begin{array}{r} 650 \\ 11 \overline{) 7151} \\ \underline{7150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 13 = 550 \text{ remainder } 1$$

$$\begin{array}{r} 550 \\ 13 \overline{) 7151} \\ \underline{7150} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 17 = 420 \text{ remainder } 11$$

$$\begin{array}{r} 420 \\ 17 \overline{) 7151} \\ \underline{7140} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 19 = 376 \text{ remainder } 7$$

$$\begin{array}{r} 376 \\ 19 \overline{) 7151} \\ \underline{7144} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 23 = 310 \text{ remainder } 21$$

$$\begin{array}{r} 310 \\ 23 \overline{) 7151} \\ \underline{7130} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 29 = 246 \text{ remainder } 17$$

$$\begin{array}{r} 246 \\ 29 \overline{) 7151} \\ \underline{7134} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 31 = 230 \text{ remainder } 21$$

$$\begin{array}{r} 230 \\ 31 \overline{) 7151} \end{array}$$

$$\begin{array}{r} 7130 \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7151 \div 37 = 193 \text{ remainder } 10$$

$$\begin{array}{r} 193 \\ 37 \overline{) 7151} \\ \underline{7141} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7151 \div 41 = 174 \text{ remainder } 17$$

$$\begin{array}{r} 174 \\ 41 \overline{) 7151} \\ \underline{7134} \phantom{00} \\ 17 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7151 \div 43 = 166 \text{ remainder } 13$$

$$\begin{array}{r} 166 \\ 43 \overline{) 7151} \\ \underline{7138} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7151 \div 47 = 152 \text{ remainder } 7$$

$$\begin{array}{r} 152 \\ 47 \overline{) 7151} \\ \underline{7144} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7151 \div 53 = 134 \text{ remainder } 49$$

$$\begin{array}{r} 134 \\ 53 \overline{) 7151} \\ \underline{7102} \phantom{00} \\ 49 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7151 \div 59 = 121 \text{ remainder } 12$$

$$\begin{array}{r} 121 \\ 59 \overline{) 7151} \\ \underline{7139} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 61 = 117 \text{ remainder } 14$$

$$\begin{array}{r} 117 \\ 61 \overline{) 7151} \\ \underline{7137} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 67 = 106 \text{ remainder } 49$$

$$\begin{array}{r} 106 \\ 67 \overline{) 7151} \\ \underline{7102} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 71 = 100 \text{ remainder } 51$$

$$\begin{array}{r} 100 \\ 71 \overline{) 7151} \\ \underline{7100} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 73 = 97 \text{ remainder } 70$$

$$\begin{array}{r} 97 \\ 73 \overline{) 7151} \\ \underline{7081} \\ 70 \end{array} \leftarrow \text{remainder}$$

$$7151 \div 79 = 90 \text{ remainder } 41$$

$$\begin{array}{r} 90 \\ 79 \overline{) 7151} \end{array}$$

7110

----

41 ← remainder

$7151 \div 83 = 86 \text{ remainder } 13$

83 |  $\overline{7151}$   
86  
 $\overline{7138}$

----

13 ← remainder

## **P<sub>916</sub> 7159**

$$7159 \div 2 = 3579 \text{ remainder } 1$$

$$\begin{array}{r} 3579 \\ 2 \overline{) 7159} \\ \underline{7158} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 3 = 2386 \text{ remainder } 1$$

$$\begin{array}{r} 2386 \\ 3 \overline{) 7159} \\ \underline{7158} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 5 = 1431 \text{ remainder } 4$$

$$\begin{array}{r} 1431 \\ 5 \overline{) 7159} \\ \underline{7155} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 7 = 1022 \text{ remainder } 5$$

$$\begin{array}{r} 1022 \\ 7 \overline{) 7159} \\ \underline{7154} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 11 = 650 \text{ remainder } 9$$

$$\begin{array}{r} 650 \\ 11 \overline{) 7159} \\ \underline{7150} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 13 = 550 \text{ remainder } 9$$

$$\begin{array}{r} 550 \\ 13 \overline{) 7159} \\ \underline{7150} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 17 = 421 \text{ remainder } 2$$

$$\begin{array}{r} 421 \\ 17 \overline{) 7159} \\ \underline{7157} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 19 = 376 \text{ remainder } 15$$

$$\begin{array}{r} 376 \\ 19 \overline{) 7159} \\ \underline{7144} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 23 = 311 \text{ remainder } 6$$

$$\begin{array}{r} 311 \\ 23 \overline{) 7159} \\ \underline{7153} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 29 = 246 \text{ remainder } 25$$

$$\begin{array}{r} 246 \\ 29 \overline{) 7159} \\ \underline{7134} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 31 = 230 \text{ remainder } 29$$

$$\begin{array}{r} 230 \\ 31 \overline{) 7159} \end{array}$$

$$\begin{array}{r} 7130 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7159 \div 37 = 193 \text{ remainder } 18$$

$$\begin{array}{r} 193 \\ 37 \overline{) 7159} \\ \underline{7141} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$7159 \div 41 = 174 \text{ remainder } 25$$

$$\begin{array}{r} 174 \\ 41 \overline{) 7159} \\ \underline{7134} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7159 \div 43 = 166 \text{ remainder } 21$$

$$\begin{array}{r} 166 \\ 43 \overline{) 7159} \\ \underline{7138} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7159 \div 47 = 152 \text{ remainder } 15$$

$$\begin{array}{r} 152 \\ 47 \overline{) 7159} \\ \underline{7144} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7159 \div 53 = 135 \text{ remainder } 4$$

$$\begin{array}{r} 135 \\ 53 \overline{) 7159} \\ \underline{7155} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$



$$7159 \div 59 = 121 \text{ remainder } 20$$

$$\begin{array}{r} 121 \\ 59 \overline{) 7159} \\ \underline{7139} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 61 = 117 \text{ remainder } 22$$

$$\begin{array}{r} 117 \\ 61 \overline{) 7159} \\ \underline{7137} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 67 = 106 \text{ remainder } 57$$

$$\begin{array}{r} 106 \\ 67 \overline{) 7159} \\ \underline{7102} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 71 = 100 \text{ remainder } 59$$

$$\begin{array}{r} 100 \\ 71 \overline{) 7159} \\ \underline{7100} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 73 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7159} \\ \underline{7154} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7159 \div 79 = 90 \text{ remainder } 49$$

$$\begin{array}{r} 90 \\ 79 \overline{) 7159} \end{array}$$

7110

----

49 ← remainder

$7159 \div 83 = 86 \text{ remainder } 21$

83 |  $\overline{7159}$   
      86  
       $\overline{7138}$

----

21 ← remainder

## **P<sub>917</sub> 7177**

$$7177 \div 2 = 3588 \text{ remainder } 1$$

$$\begin{array}{r} 3588 \\ 2 \overline{) 7177} \\ \underline{7176} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 3 = 2392 \text{ remainder } 1$$

$$\begin{array}{r} 2392 \\ 3 \overline{) 7177} \\ \underline{7176} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 5 = 1435 \text{ remainder } 2$$

$$\begin{array}{r} 1435 \\ 5 \overline{) 7177} \\ \underline{7175} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 7 = 1025 \text{ remainder } 2$$

$$\begin{array}{r} 1025 \\ 7 \overline{) 7177} \\ \underline{7175} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 11 = 652 \text{ remainder } 5$$

$$\begin{array}{r} 652 \\ 11 \overline{) 7177} \\ \underline{7172} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 13 = 552 \text{ remainder } 1$$

$$\begin{array}{r} 552 \\ 13 \overline{) 7177} \\ \underline{7176} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 17 = 422 \text{ remainder } 3$$

$$\begin{array}{r} 422 \\ 17 \overline{) 7177} \\ \underline{7174} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 19 = 377 \text{ remainder } 14$$

$$\begin{array}{r} 377 \\ 19 \overline{) 7177} \\ \underline{7163} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 23 = 312 \text{ remainder } 1$$

$$\begin{array}{r} 312 \\ 23 \overline{) 7177} \\ \underline{7176} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 29 = 247 \text{ remainder } 14$$

$$\begin{array}{r} 247 \\ 29 \overline{) 7177} \\ \underline{7163} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 31 = 231 \text{ remainder } 16$$

$$\begin{array}{r} 231 \\ 31 \overline{) 7177} \end{array}$$

$$\begin{array}{r} 7161 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7177 \div 37 = 193 \text{ remainder } 36$$

$$\begin{array}{r} 193 \\ 37 \mid \overline{7177} \\ \underline{7141} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7177 \div 41 = 175 \text{ remainder } 2$$

$$\begin{array}{r} 175 \\ 41 \mid \overline{7177} \\ \underline{7175} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7177 \div 43 = 166 \text{ remainder } 39$$

$$\begin{array}{r} 166 \\ 43 \mid \overline{7177} \\ \underline{7138} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7177 \div 47 = 152 \text{ remainder } 33$$

$$\begin{array}{r} 152 \\ 47 \mid \overline{7177} \\ \underline{7144} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7177 \div 53 = 135 \text{ remainder } 22$$

$$\begin{array}{r} 135 \\ 53 \mid \overline{7177} \\ \underline{7155} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7177 \div 59 = 121 \text{ remainder } 38$$

$$\begin{array}{r} 121 \\ 59 \overline{) 7177} \\ \underline{7139} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 61 = 117 \text{ remainder } 40$$

$$\begin{array}{r} 117 \\ 61 \overline{) 7177} \\ \underline{7137} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 67 = 107 \text{ remainder } 8$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7177} \\ \underline{7169} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 71 = 101 \text{ remainder } 6$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7177} \\ \underline{7171} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 73 = 98 \text{ remainder } 23$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7177} \\ \underline{7154} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7177 \div 79 = 90 \text{ remainder } 67$$

$$\begin{array}{r} 90 \\ 79 \overline{) 7177} \end{array}$$

7110

----

67 ← remainder

$7177 \div 83 = 86 \text{ remainder } 39$

83 |  $\overline{86 \over 7177}$   
7138

----

39 ← remainder

## **P<sub>918</sub> 7187**

$$7187 \div 2 = 3593 \text{ remainder } 1$$

$$\begin{array}{r} 3593 \\ 2 \overline{) 7187} \\ \underline{7186} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 3 = 2395 \text{ remainder } 2$$

$$\begin{array}{r} 2395 \\ 3 \overline{) 7187} \\ \underline{7185} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 5 = 1437 \text{ remainder } 2$$

$$\begin{array}{r} 1437 \\ 5 \overline{) 7187} \\ \underline{7185} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 7 = 1026 \text{ remainder } 5$$

$$\begin{array}{r} 1026 \\ 7 \overline{) 7187} \\ \underline{7182} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 11 = 653 \text{ remainder } 4$$

$$\begin{array}{r} 653 \\ 11 \overline{) 7187} \\ \underline{7183} \\ 4 \end{array} \leftarrow \text{remainder}$$



$$7187 \div 13 = 552 \text{ remainder } 11$$

$$\begin{array}{r} 552 \\ 13 \overline{) 7187} \\ \underline{7176} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 17 = 422 \text{ remainder } 13$$

$$\begin{array}{r} 422 \\ 17 \overline{) 7187} \\ \underline{7174} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 19 = 378 \text{ remainder } 5$$

$$\begin{array}{r} 378 \\ 19 \overline{) 7187} \\ \underline{7182} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 23 = 312 \text{ remainder } 11$$

$$\begin{array}{r} 312 \\ 23 \overline{) 7187} \\ \underline{7176} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 29 = 247 \text{ remainder } 24$$

$$\begin{array}{r} 247 \\ 29 \overline{) 7187} \\ \underline{7163} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 31 = 231 \text{ remainder } 26$$

$$\begin{array}{r} 231 \\ 31 \overline{) 7187} \end{array}$$

$$\begin{array}{r} 7161 \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7187 \div 37 = 194 \text{ remainder } 9$$

$$\begin{array}{r} 194 \\ 37 \overline{) 7187} \\ \underline{7178} \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7187 \div 41 = 175 \text{ remainder } 12$$

$$\begin{array}{r} 175 \\ 41 \overline{) 7187} \\ \underline{7175} \\ - - - - \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7187 \div 43 = 167 \text{ remainder } 6$$

$$\begin{array}{r} 167 \\ 43 \overline{) 7187} \\ \underline{7181} \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7187 \div 47 = 152 \text{ remainder } 43$$

$$\begin{array}{r} 152 \\ 47 \overline{) 7187} \\ \underline{7144} \\ - - - - \\ 43 \leftarrow \text{remainder} \end{array}$$

$$7187 \div 53 = 135 \text{ remainder } 32$$

$$\begin{array}{r} 135 \\ 53 \overline{) 7187} \\ \underline{7155} \\ - - - - \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7187 \div 59 = 121 \text{ remainder } 48$$

$$\begin{array}{r} 121 \\ 59 \overline{) 7187} \\ \underline{7139} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 61 = 117 \text{ remainder } 50$$

$$\begin{array}{r} 117 \\ 61 \overline{) 7187} \\ \underline{7137} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 67 = 107 \text{ remainder } 18$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7187} \\ \underline{7169} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 71 = 101 \text{ remainder } 16$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7187} \\ \underline{7171} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 73 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7187} \\ \underline{7154} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7187 \div 79 = 90 \text{ remainder } 77$$

$$\begin{array}{r} 90 \\ 79 \overline{) 7187} \end{array}$$

7110

----

77 ← remainder

$7187 \div 83 = 86 \text{ remainder } 49$

83 |  $\overline{86 \over 7187}$

7138

----

49 ← remainder

## **P<sub>919</sub> 7193**

$$7193 \div 2 = 3596 \text{ remainder } 1$$

$$\begin{array}{r} 3596 \\ 2 \overline{) 7193} \\ \underline{7192} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 3 = 2397 \text{ remainder } 2$$

$$\begin{array}{r} 2397 \\ 3 \overline{) 7193} \\ \underline{7191} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 5 = 1438 \text{ remainder } 3$$

$$\begin{array}{r} 1438 \\ 5 \overline{) 7193} \\ \underline{7190} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 7 = 1027 \text{ remainder } 4$$

$$\begin{array}{r} 1027 \\ 7 \overline{) 7193} \\ \underline{7189} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 11 = 653 \text{ remainder } 10$$

$$\begin{array}{r} 653 \\ 11 \overline{) 7193} \\ \underline{7183} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 13 = 553 \text{ remainder } 4$$

$$\begin{array}{r} 553 \\ 13 \overline{) 7193} \\ \underline{7189} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 17 = 423 \text{ remainder } 2$$

$$\begin{array}{r} 423 \\ 17 \overline{) 7193} \\ \underline{7191} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 19 = 378 \text{ remainder } 11$$

$$\begin{array}{r} 378 \\ 19 \overline{) 7193} \\ \underline{7182} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 23 = 312 \text{ remainder } 17$$

$$\begin{array}{r} 312 \\ 23 \overline{) 7193} \\ \underline{7176} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 29 = 248 \text{ remainder } 1$$

$$\begin{array}{r} 248 \\ 29 \overline{) 7193} \\ \underline{7192} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 31 = 232 \text{ remainder } 1$$

$$\begin{array}{r} 232 \\ 31 \overline{) 7193} \end{array}$$

$$\begin{array}{r} 7192 \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7193 \div 37 = 194 \text{ remainder } 15$$

$$\begin{array}{r} 194 \\ 37 \overline{) 7193} \\ \underline{7178} \\ - - - - \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7193 \div 41 = 175 \text{ remainder } 18$$

$$\begin{array}{r} 175 \\ 41 \overline{) 7193} \\ \underline{7175} \\ - - - - \\ 18 \leftarrow \text{remainder} \end{array}$$

$$7193 \div 43 = 167 \text{ remainder } 12$$

$$\begin{array}{r} 167 \\ 43 \overline{) 7193} \\ \underline{7181} \\ - - - - \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7193 \div 47 = 153 \text{ remainder } 2$$

$$\begin{array}{r} 153 \\ 47 \overline{) 7193} \\ \underline{7191} \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7193 \div 53 = 135 \text{ remainder } 38$$

$$\begin{array}{r} 135 \\ 53 \overline{) 7193} \\ \underline{7155} \\ - - - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7193 \div 59 = 121 \text{ remainder } 54$$

$$\begin{array}{r} 121 \\ 59 \overline{) 7193} \\ \underline{7139} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 61 = 117 \text{ remainder } 56$$

$$\begin{array}{r} 117 \\ 61 \overline{) 7193} \\ \underline{7137} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 67 = 107 \text{ remainder } 24$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7193} \\ \underline{7169} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 71 = 101 \text{ remainder } 22$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7193} \\ \underline{7171} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 73 = 98 \text{ remainder } 39$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7193} \\ \underline{7154} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$7193 \div 79 = 91 \text{ remainder } 4$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7193} \end{array}$$



7189

----

4 ← remainder

$7193 \div 83 = 86 \text{ remainder } 55$

83 |  $\overline{86 \phantom{00} 7193}$   
7138

----

55 ← remainder

## **P<sub>920</sub> 7207**

$$7207 \div 2 = 3603 \text{ remainder } 1$$

$$\begin{array}{r} 3603 \\ 2 \overline{) 7207} \\ \underline{7206} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 3 = 2402 \text{ remainder } 1$$

$$\begin{array}{r} 2402 \\ 3 \overline{) 7207} \\ \underline{7206} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 5 = 1441 \text{ remainder } 2$$

$$\begin{array}{r} 1441 \\ 5 \overline{) 7207} \\ \underline{7205} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 7 = 1029 \text{ remainder } 4$$

$$\begin{array}{r} 1029 \\ 7 \overline{) 7207} \\ \underline{7203} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 11 = 655 \text{ remainder } 2$$

$$\begin{array}{r} 655 \\ 11 \overline{) 7207} \\ \underline{7205} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 13 = 554 \text{ remainder } 5$$

$$\begin{array}{r} 554 \\ 13 \overline{) 7207} \\ \underline{7202} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 17 = 423 \text{ remainder } 16$$

$$\begin{array}{r} 423 \\ 17 \overline{) 7207} \\ \underline{7191} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 19 = 379 \text{ remainder } 6$$

$$\begin{array}{r} 379 \\ 19 \overline{) 7207} \\ \underline{7201} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 23 = 313 \text{ remainder } 8$$

$$\begin{array}{r} 313 \\ 23 \overline{) 7207} \\ \underline{7199} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 29 = 248 \text{ remainder } 15$$

$$\begin{array}{r} 248 \\ 29 \overline{) 7207} \\ \underline{7192} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 31 = 232 \text{ remainder } 15$$

$$\begin{array}{r} 232 \\ 31 \overline{) 7207} \end{array}$$

$$\begin{array}{r} 7192 \\ ---- \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7207 \div 37 = 194 \text{ remainder } 29$$

$$\begin{array}{r} 194 \\ 37 \overline{) 7207} \\ \underline{7178} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7207 \div 41 = 175 \text{ remainder } 32$$

$$\begin{array}{r} 175 \\ 41 \overline{) 7207} \\ \underline{7175} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7207 \div 43 = 167 \text{ remainder } 26$$

$$\begin{array}{r} 167 \\ 43 \overline{) 7207} \\ \underline{7181} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7207 \div 47 = 153 \text{ remainder } 16$$

$$\begin{array}{r} 153 \\ 47 \overline{) 7207} \\ \underline{7191} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7207 \div 53 = 135 \text{ remainder } 52$$

$$\begin{array}{r} 135 \\ 53 \overline{) 7207} \\ \underline{7155} \\ 52 \leftarrow \text{remainder} \end{array}$$

$$7207 \div 59 = 122 \text{ remainder } 9$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7207} \\ \underline{7198} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 61 = 118 \text{ remainder } 9$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7207} \\ \underline{7198} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 67 = 107 \text{ remainder } 38$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7207} \\ \underline{7169} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 71 = 101 \text{ remainder } 36$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7207} \\ \underline{7171} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 73 = 98 \text{ remainder } 53$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7207} \\ \underline{7154} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$7207 \div 79 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7207} \end{array}$$

7189

----

18 ← remainder

$$7207 \div 83 = 86 \text{ remainder } 69$$

$$\begin{array}{r} 86 \\ 83 \overline{) 7207} \\ \underline{7138} \end{array}$$

----

69 ← remainder

## **P<sub>921</sub> 7211**

$$7211 \div 2 = 3605 \text{ remainder } 1$$

$$\begin{array}{r} 3605 \\ 2 \overline{) 7211} \\ \underline{7210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 3 = 2403 \text{ remainder } 2$$

$$\begin{array}{r} 2403 \\ 3 \overline{) 7211} \\ \underline{7209} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 5 = 1442 \text{ remainder } 1$$

$$\begin{array}{r} 1442 \\ 5 \overline{) 7211} \\ \underline{7210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 7 = 1030 \text{ remainder } 1$$

$$\begin{array}{r} 1030 \\ 7 \overline{) 7211} \\ \underline{7210} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 11 = 655 \text{ remainder } 6$$

$$\begin{array}{r} 655 \\ 11 \overline{) 7211} \\ \underline{7205} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 13 = 554 \text{ remainder } 9$$

$$\begin{array}{r} 554 \\ 13 \overline{) 7211} \\ \underline{7202} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 17 = 424 \text{ remainder } 3$$

$$\begin{array}{r} 424 \\ 17 \overline{) 7211} \\ \underline{7208} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 19 = 379 \text{ remainder } 10$$

$$\begin{array}{r} 379 \\ 19 \overline{) 7211} \\ \underline{7201} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 23 = 313 \text{ remainder } 12$$

$$\begin{array}{r} 313 \\ 23 \overline{) 7211} \\ \underline{7199} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 29 = 248 \text{ remainder } 19$$

$$\begin{array}{r} 248 \\ 29 \overline{) 7211} \\ \underline{7192} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 31 = 232 \text{ remainder } 19$$

$$\begin{array}{r} 232 \\ 31 \overline{) 7211} \end{array}$$



$$\begin{array}{r} 7192 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7211 \div 37 = 194 \text{ remainder } 33$$

$$\begin{array}{r} 194 \\ 37 \overline{) 7211} \\ \underline{7178} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7211 \div 41 = 175 \text{ remainder } 36$$

$$\begin{array}{r} 175 \\ 41 \overline{) 7211} \\ \underline{7175} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7211 \div 43 = 167 \text{ remainder } 30$$

$$\begin{array}{r} 167 \\ 43 \overline{) 7211} \\ \underline{7181} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7211 \div 47 = 153 \text{ remainder } 20$$

$$\begin{array}{r} 153 \\ 47 \overline{) 7211} \\ \underline{7191} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7211 \div 53 = 136 \text{ remainder } 3$$

$$\begin{array}{r} 136 \\ 53 \overline{) 7211} \\ \underline{7208} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7211 \div 59 = 122 \text{ remainder } 13$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7211} \\ \underline{7198} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 61 = 118 \text{ remainder } 13$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7211} \\ \underline{7198} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 67 = 107 \text{ remainder } 42$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7211} \\ \underline{7169} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 71 = 101 \text{ remainder } 40$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7211} \\ \underline{7171} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 73 = 98 \text{ remainder } 57$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7211} \\ \underline{7154} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7211 \div 79 = 91 \text{ remainder } 22$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7211} \end{array}$$

7189

----

22 ← remainder

$7211 \div 83 = 86 \text{ remainder } 73$

83 |  $\overline{7211}$   
      86  
       $\overline{7138}$

----

73 ← remainder

## **P<sub>922</sub> 7213**

$$7213 \div 2 = 3606 \text{ remainder } 1$$

$$\begin{array}{r} 3606 \\ 2 \overline{) 7213} \\ \underline{7212} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 3 = 2404 \text{ remainder } 1$$

$$\begin{array}{r} 2404 \\ 3 \overline{) 7213} \\ \underline{7212} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 5 = 1442 \text{ remainder } 3$$

$$\begin{array}{r} 1442 \\ 5 \overline{) 7213} \\ \underline{7210} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 7 = 1030 \text{ remainder } 3$$

$$\begin{array}{r} 1030 \\ 7 \overline{) 7213} \\ \underline{7210} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 11 = 655 \text{ remainder } 8$$

$$\begin{array}{r} 655 \\ 11 \overline{) 7213} \\ \underline{7205} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 13 = 554 \text{ remainder } 11$$

$$\begin{array}{r} 554 \\ 13 \overline{) 7213} \\ \underline{7202} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 17 = 424 \text{ remainder } 5$$

$$\begin{array}{r} 424 \\ 17 \overline{) 7213} \\ \underline{7208} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 19 = 379 \text{ remainder } 12$$

$$\begin{array}{r} 379 \\ 19 \overline{) 7213} \\ \underline{7201} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 23 = 313 \text{ remainder } 14$$

$$\begin{array}{r} 313 \\ 23 \overline{) 7213} \\ \underline{7199} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 29 = 248 \text{ remainder } 21$$

$$\begin{array}{r} 248 \\ 29 \overline{) 7213} \\ \underline{7192} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 31 = 232 \text{ remainder } 21$$

$$\begin{array}{r} 232 \\ 31 \overline{) 7213} \end{array}$$

$$\begin{array}{r} 7192 \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7213 \div 37 = 194 \text{ remainder } 35$$

$$\begin{array}{r} 194 \\ 37 \overline{) 7213} \\ \underline{7178} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7213 \div 41 = 175 \text{ remainder } 38$$

$$\begin{array}{r} 175 \\ 41 \overline{) 7213} \\ \underline{7175} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7213 \div 43 = 167 \text{ remainder } 32$$

$$\begin{array}{r} 167 \\ 43 \overline{) 7213} \\ \underline{7181} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7213 \div 47 = 153 \text{ remainder } 22$$

$$\begin{array}{r} 153 \\ 47 \overline{) 7213} \\ \underline{7191} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7213 \div 53 = 136 \text{ remainder } 5$$

$$\begin{array}{r} 136 \\ 53 \overline{) 7213} \\ \underline{7208} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7213 \div 59 = 122 \text{ remainder } 15$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7213} \\ \underline{7198} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 61 = 118 \text{ remainder } 15$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7213} \\ \underline{7198} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 67 = 107 \text{ remainder } 44$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7213} \\ \underline{7169} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 71 = 101 \text{ remainder } 42$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7213} \\ \underline{7171} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 73 = 98 \text{ remainder } 59$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7213} \\ \underline{7154} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$7213 \div 79 = 91 \text{ remainder } 24$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7213} \end{array}$$

7189

----

24 ← remainder

$7213 \div 83 = 86 \text{ remainder } 75$

83 |  $\overline{86}$   
 $\overline{7213}$   
7138

----

75 ← remainder



## **P<sub>923</sub> 7219**

$$7219 \div 2 = 3609 \text{ remainder } 1$$

$$\begin{array}{r} 3609 \\ 2 \overline{) 7219} \\ \underline{7218} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 3 = 2406 \text{ remainder } 1$$

$$\begin{array}{r} 2406 \\ 3 \overline{) 7219} \\ \underline{7218} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 5 = 1443 \text{ remainder } 4$$

$$\begin{array}{r} 1443 \\ 5 \overline{) 7219} \\ \underline{7215} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 7 = 1031 \text{ remainder } 2$$

$$\begin{array}{r} 1031 \\ 7 \overline{) 7219} \\ \underline{7217} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 11 = 656 \text{ remainder } 3$$

$$\begin{array}{r} 656 \\ 11 \overline{) 7219} \\ \underline{7216} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 13 = 555 \text{ remainder } 4$$

$$\begin{array}{r} 555 \\ 13 \overline{) 7219} \\ \underline{7215} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 17 = 424 \text{ remainder } 11$$

$$\begin{array}{r} 424 \\ 17 \overline{) 7219} \\ \underline{7208} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 19 = 379 \text{ remainder } 18$$

$$\begin{array}{r} 379 \\ 19 \overline{) 7219} \\ \underline{7201} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 23 = 313 \text{ remainder } 20$$

$$\begin{array}{r} 313 \\ 23 \overline{) 7219} \\ \underline{7199} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 29 = 248 \text{ remainder } 27$$

$$\begin{array}{r} 248 \\ 29 \overline{) 7219} \\ \underline{7192} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 31 = 232 \text{ remainder } 27$$

$$\begin{array}{r} 232 \\ 31 \overline{) 7219} \end{array}$$

$$\begin{array}{r} 7192 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7219 \div 37 = 195 \text{ remainder } 4$$

$$\begin{array}{r} 195 \\ 37 \overline{) 7219} \\ \underline{7215} \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7219 \div 41 = 176 \text{ remainder } 3$$

$$\begin{array}{r} 176 \\ 41 \overline{) 7219} \\ \underline{7216} \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7219 \div 43 = 167 \text{ remainder } 38$$

$$\begin{array}{r} 167 \\ 43 \overline{) 7219} \\ \underline{7181} \\ - - - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7219 \div 47 = 153 \text{ remainder } 28$$

$$\begin{array}{r} 153 \\ 47 \overline{) 7219} \\ \underline{7191} \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7219 \div 53 = 136 \text{ remainder } 11$$

$$\begin{array}{r} 136 \\ 53 \overline{) 7219} \\ \underline{7208} \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$7219 \div 59 = 122 \text{ remainder } 21$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7219} \\ \underline{7198} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 61 = 118 \text{ remainder } 21$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7219} \\ \underline{7198} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 67 = 107 \text{ remainder } 50$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7219} \\ \underline{7169} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 71 = 101 \text{ remainder } 48$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7219} \\ \underline{7171} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 73 = 98 \text{ remainder } 65$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7219} \\ \underline{7154} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$7219 \div 79 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7219} \end{array}$$

7189

----

30 ← remainder

$7219 \div 83 = 86 \text{ remainder } 81$

83 |  $\overline{86}$   
 $\overline{7219}$   
7138

----

81 ← remainder

## **P<sub>924</sub> 7229**

$$7229 \div 2 = 3614 \text{ remainder } 1$$

$$\begin{array}{r} 3614 \\ 2 \overline{) 7229} \\ \underline{7228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 3 = 2409 \text{ remainder } 2$$

$$\begin{array}{r} 2409 \\ 3 \overline{) 7229} \\ \underline{7227} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 5 = 1445 \text{ remainder } 4$$

$$\begin{array}{r} 1445 \\ 5 \overline{) 7229} \\ \underline{7225} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 7 = 1032 \text{ remainder } 5$$

$$\begin{array}{r} 1032 \\ 7 \overline{) 7229} \\ \underline{7224} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 11 = 657 \text{ remainder } 2$$

$$\begin{array}{r} 657 \\ 11 \overline{) 7229} \\ \underline{7227} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 13 = 556 \text{ remainder } 1$$

$$\begin{array}{r} 556 \\ 13 \overline{) 7229} \\ \underline{7228} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 17 = 425 \text{ remainder } 4$$

$$\begin{array}{r} 425 \\ 17 \overline{) 7229} \\ \underline{7225} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 19 = 380 \text{ remainder } 9$$

$$\begin{array}{r} 380 \\ 19 \overline{) 7229} \\ \underline{7220} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 23 = 314 \text{ remainder } 7$$

$$\begin{array}{r} 314 \\ 23 \overline{) 7229} \\ \underline{7222} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 29 = 249 \text{ remainder } 8$$

$$\begin{array}{r} 249 \\ 29 \overline{) 7229} \\ \underline{7221} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 31 = 233 \text{ remainder } 6$$

$$\begin{array}{r} 233 \\ 31 \overline{) 7229} \end{array}$$

$$\begin{array}{r} 7223 \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7229 \div 37 = 195 \text{ remainder } 14$$

$$\begin{array}{r} 195 \\ 37 \overline{) 7229} \\ \underline{7215} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7229 \div 41 = 176 \text{ remainder } 13$$

$$\begin{array}{r} 176 \\ 41 \overline{) 7229} \\ \underline{7216} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7229 \div 43 = 168 \text{ remainder } 5$$

$$\begin{array}{r} 168 \\ 43 \overline{) 7229} \\ \underline{7224} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7229 \div 47 = 153 \text{ remainder } 38$$

$$\begin{array}{r} 153 \\ 47 \overline{) 7229} \\ \underline{7191} \phantom{00} \\ 38 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7229 \div 53 = 136 \text{ remainder } 21$$

$$\begin{array}{r} 136 \\ 53 \overline{) 7229} \\ \underline{7208} \phantom{00} \\ 21 \phantom{00} \leftarrow \text{remainder} \end{array}$$



$$7229 \div 59 = 122 \text{ remainder } 31$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7229} \\ \underline{7198} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 61 = 118 \text{ remainder } 31$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7229} \\ \underline{7198} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 67 = 107 \text{ remainder } 60$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7229} \\ \underline{7169} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 71 = 101 \text{ remainder } 58$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7229} \\ \underline{7171} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 73 = 99 \text{ remainder } 2$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7229} \\ \underline{7227} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7229 \div 79 = 91 \text{ remainder } 40$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7229} \end{array}$$

7189

----

40 ← remainder

$7229 \div 83 = 87 \text{ remainder } 8$

83 |  $\overline{87 \over 7229}$   
7221

----

8 ← remainder

## **P<sub>925</sub> 7237**

$$7237 \div 2 = 3618 \text{ remainder } 1$$

$$\begin{array}{r} 3618 \\ 2 \overline{) 7237} \\ \underline{7236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 3 = 2412 \text{ remainder } 1$$

$$\begin{array}{r} 2412 \\ 3 \overline{) 7237} \\ \underline{7236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 5 = 1447 \text{ remainder } 2$$

$$\begin{array}{r} 1447 \\ 5 \overline{) 7237} \\ \underline{7235} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 7 = 1033 \text{ remainder } 6$$

$$\begin{array}{r} 1033 \\ 7 \overline{) 7237} \\ \underline{7231} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 11 = 657 \text{ remainder } 10$$

$$\begin{array}{r} 657 \\ 11 \overline{) 7237} \\ \underline{7227} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 13 = 556 \text{ remainder } 9$$

$$\begin{array}{r} 556 \\ 13 \overline{) 7237} \\ \underline{7228} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 17 = 425 \text{ remainder } 12$$

$$\begin{array}{r} 425 \\ 17 \overline{) 7237} \\ \underline{7225} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 19 = 380 \text{ remainder } 17$$

$$\begin{array}{r} 380 \\ 19 \overline{) 7237} \\ \underline{7220} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 23 = 314 \text{ remainder } 15$$

$$\begin{array}{r} 314 \\ 23 \overline{) 7237} \\ \underline{7222} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 29 = 249 \text{ remainder } 16$$

$$\begin{array}{r} 249 \\ 29 \overline{) 7237} \\ \underline{7221} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 31 = 233 \text{ remainder } 14$$

$$\begin{array}{r} 233 \\ 31 \overline{) 7237} \end{array}$$

$$\begin{array}{r} 7223 \\ - - - - \\ 14 \leftarrow \text{remainder} \end{array}$$

$$7237 \div 37 = 195 \text{ remainder } 22$$

$$\begin{array}{r} 195 \\ 37 \overline{) 7237} \\ \underline{7215} \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7237 \div 41 = 176 \text{ remainder } 21$$

$$\begin{array}{r} 176 \\ 41 \overline{) 7237} \\ \underline{7216} \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7237 \div 43 = 168 \text{ remainder } 13$$

$$\begin{array}{r} 168 \\ 43 \overline{) 7237} \\ \underline{7224} \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7237 \div 47 = 153 \text{ remainder } 46$$

$$\begin{array}{r} 153 \\ 47 \overline{) 7237} \\ \underline{7191} \\ - - - - \\ 46 \leftarrow \text{remainder} \end{array}$$

$$7237 \div 53 = 136 \text{ remainder } 29$$

$$\begin{array}{r} 136 \\ 53 \overline{) 7237} \\ \underline{7208} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7237 \div 59 = 122 \text{ remainder } 39$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7237} \\ \underline{7198} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 61 = 118 \text{ remainder } 39$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7237} \\ \underline{7198} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 67 = 108 \text{ remainder } 1$$

$$\begin{array}{r} 108 \\ 67 \overline{) 7237} \\ \underline{7236} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 71 = 101 \text{ remainder } 66$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7237} \\ \underline{7171} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 73 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7237} \\ \underline{7227} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7237 \div 79 = 91 \text{ remainder } 48$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7237} \end{array}$$

7189

----

48 ← remainder

$7237 \div 83 = 87 \text{ remainder } 16$

83 |  $\overline{87 \over 7237}$   
7221

----

16 ← remainder

## **P<sub>926</sub> 7243**

$$7243 \div 2 = 3621 \text{ remainder } 1$$

$$\begin{array}{r} 3621 \\ 2 \overline{) 7243} \\ \underline{7242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 3 = 2414 \text{ remainder } 1$$

$$\begin{array}{r} 2414 \\ 3 \overline{) 7243} \\ \underline{7242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 5 = 1448 \text{ remainder } 3$$

$$\begin{array}{r} 1448 \\ 5 \overline{) 7243} \\ \underline{7240} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 7 = 1034 \text{ remainder } 5$$

$$\begin{array}{r} 1034 \\ 7 \overline{) 7243} \\ \underline{7238} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 11 = 658 \text{ remainder } 5$$

$$\begin{array}{r} 658 \\ 11 \overline{) 7243} \\ \underline{7238} \\ 5 \end{array} \leftarrow \text{remainder}$$



$$7243 \div 13 = 557 \text{ remainder } 2$$

$$\begin{array}{r} 557 \\ 13 \overline{) 7243} \\ \underline{7241} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 17 = 426 \text{ remainder } 1$$

$$\begin{array}{r} 426 \\ 17 \overline{) 7243} \\ \underline{7242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 19 = 381 \text{ remainder } 4$$

$$\begin{array}{r} 381 \\ 19 \overline{) 7243} \\ \underline{7239} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 23 = 314 \text{ remainder } 21$$

$$\begin{array}{r} 314 \\ 23 \overline{) 7243} \\ \underline{7222} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 29 = 249 \text{ remainder } 22$$

$$\begin{array}{r} 249 \\ 29 \overline{) 7243} \\ \underline{7221} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 31 = 233 \text{ remainder } 20$$

$$\begin{array}{r} 233 \\ 31 \overline{) 7243} \end{array}$$

$$\begin{array}{r} 7223 \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7243 \div 37 = 195 \text{ remainder } 28$$

$$\begin{array}{r} 195 \\ 37 \overline{) 7243} \\ \underline{7215} \phantom{00} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7243 \div 41 = 176 \text{ remainder } 27$$

$$\begin{array}{r} 176 \\ 41 \overline{) 7243} \\ \underline{7216} \phantom{00} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7243 \div 43 = 168 \text{ remainder } 19$$

$$\begin{array}{r} 168 \\ 43 \overline{) 7243} \\ \underline{7224} \phantom{00} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7243 \div 47 = 154 \text{ remainder } 5$$

$$\begin{array}{r} 154 \\ 47 \overline{) 7243} \\ \underline{7238} \phantom{00} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7243 \div 53 = 136 \text{ remainder } 35$$

$$\begin{array}{r} 136 \\ 53 \overline{) 7243} \\ \underline{7208} \phantom{00} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7243 \div 59 = 122 \text{ remainder } 45$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7243} \\ \underline{7198} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 61 = 118 \text{ remainder } 45$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7243} \\ \underline{7198} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 67 = 108 \text{ remainder } 7$$

$$\begin{array}{r} 108 \\ 67 \overline{) 7243} \\ \underline{7236} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 71 = 102 \text{ remainder } 1$$

$$\begin{array}{r} 102 \\ 71 \overline{) 7243} \\ \underline{7242} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 73 = 99 \text{ remainder } 16$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7243} \\ \underline{7227} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7243 \div 79 = 91 \text{ remainder } 54$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7243} \end{array}$$

7189

----

54 ← remainder

$7243 \div 83 = 87 \text{ remainder } 22$

83 |  $\overline{7243}$   
      87  
       $\overline{7221}$

----

22 ← remainder

## **P<sub>927</sub> 7247**

$$7247 \div 2 = 3623 \text{ remainder } 1$$

$$\begin{array}{r} 3623 \\ 2 \overline{) 7247} \\ \underline{7246} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 3 = 2415 \text{ remainder } 2$$

$$\begin{array}{r} 2415 \\ 3 \overline{) 7247} \\ \underline{7245} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 5 = 1449 \text{ remainder } 2$$

$$\begin{array}{r} 1449 \\ 5 \overline{) 7247} \\ \underline{7245} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 7 = 1035 \text{ remainder } 2$$

$$\begin{array}{r} 1035 \\ 7 \overline{) 7247} \\ \underline{7245} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 11 = 658 \text{ remainder } 9$$

$$\begin{array}{r} 658 \\ 11 \overline{) 7247} \\ \underline{7238} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 13 = 557 \text{ remainder } 6$$

$$\begin{array}{r} 557 \\ 13 \overline{) 7247} \\ \underline{7241} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7247 \div 17 = 426 \text{ remainder } 5$$

$$\begin{array}{r} 426 \\ 17 \overline{) 7247} \\ \underline{7242} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7247 \div 19 = 381 \text{ remainder } 8$$

$$\begin{array}{r} 381 \\ 19 \overline{) 7247} \\ \underline{7239} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7247 \div 23 = 315 \text{ remainder } 2$$

$$\begin{array}{r} 315 \\ 23 \overline{) 7247} \\ \underline{7245} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7247 \div 29 = 249 \text{ remainder } 26$$

$$\begin{array}{r} 249 \\ 29 \overline{) 7247} \\ \underline{7221} \phantom{00} \\ 26 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7247 \div 31 = 233 \text{ remainder } 24$$

$$\begin{array}{r} 233 \\ 31 \overline{) 7247} \end{array}$$

$$\begin{array}{r} 7223 \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7247 \div 37 = 195 \text{ remainder } 32$$

$$\begin{array}{r} 195 \\ 37 \overline{) 7247} \\ \underline{7215} \phantom{00} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7247 \div 41 = 176 \text{ remainder } 31$$

$$\begin{array}{r} 176 \\ 41 \overline{) 7247} \\ \underline{7216} \phantom{00} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$7247 \div 43 = 168 \text{ remainder } 23$$

$$\begin{array}{r} 168 \\ 43 \overline{) 7247} \\ \underline{7224} \phantom{00} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7247 \div 47 = 154 \text{ remainder } 9$$

$$\begin{array}{r} 154 \\ 47 \overline{) 7247} \\ \underline{7238} \phantom{00} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7247 \div 53 = 136 \text{ remainder } 39$$

$$\begin{array}{r} 136 \\ 53 \overline{) 7247} \\ \underline{7208} \phantom{00} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7247 \div 59 = 122 \text{ remainder } 49$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7247} \\ \underline{7198} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 61 = 118 \text{ remainder } 49$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7247} \\ \underline{7198} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 67 = 108 \text{ remainder } 11$$

$$\begin{array}{r} 108 \\ 67 \overline{) 7247} \\ \underline{7236} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 71 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 71 \overline{) 7247} \\ \underline{7242} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 73 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7247} \\ \underline{7227} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7247 \div 79 = 91 \text{ remainder } 58$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7247} \end{array}$$



7189

----

58 ← remainder

$$7247 \div 83 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 83 \overline{) 7247} \\ \underline{7221} \end{array}$$

----

26 ← remainder

## **P<sub>928</sub> 7253**

$$7253 \div 2 = 3626 \text{ remainder } 1$$

$$\begin{array}{r} 3626 \\ 2 \overline{) 7253} \\ \underline{7252} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 3 = 2417 \text{ remainder } 2$$

$$\begin{array}{r} 2417 \\ 3 \overline{) 7253} \\ \underline{7251} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 5 = 1450 \text{ remainder } 3$$

$$\begin{array}{r} 1450 \\ 5 \overline{) 7253} \\ \underline{7250} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 7 = 1036 \text{ remainder } 1$$

$$\begin{array}{r} 1036 \\ 7 \overline{) 7253} \\ \underline{7252} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 11 = 659 \text{ remainder } 4$$

$$\begin{array}{r} 659 \\ 11 \overline{) 7253} \\ \underline{7249} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 13 = 557 \text{ remainder } 12$$

$$\begin{array}{r} 557 \\ 13 \overline{) 7253} \\ \underline{7241} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 17 = 426 \text{ remainder } 11$$

$$\begin{array}{r} 426 \\ 17 \overline{) 7253} \\ \underline{7242} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 19 = 381 \text{ remainder } 14$$

$$\begin{array}{r} 381 \\ 19 \overline{) 7253} \\ \underline{7239} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 23 = 315 \text{ remainder } 8$$

$$\begin{array}{r} 315 \\ 23 \overline{) 7253} \\ \underline{7245} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 29 = 250 \text{ remainder } 3$$

$$\begin{array}{r} 250 \\ 29 \overline{) 7253} \\ \underline{7250} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 31 = 233 \text{ remainder } 30$$

$$\begin{array}{r} 233 \\ 31 \overline{) 7253} \end{array}$$

$$\begin{array}{r} 7223 \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7253 \div 37 = 196 \text{ remainder } 1$$

$$\begin{array}{r} 196 \\ 37 \overline{) 7253} \\ \underline{7252} \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7253 \div 41 = 176 \text{ remainder } 37$$

$$\begin{array}{r} 176 \\ 41 \overline{) 7253} \\ \underline{7216} \\ - - - - \\ 37 \leftarrow \text{remainder} \end{array}$$

$$7253 \div 43 = 168 \text{ remainder } 29$$

$$\begin{array}{r} 168 \\ 43 \overline{) 7253} \\ \underline{7224} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7253 \div 47 = 154 \text{ remainder } 15$$

$$\begin{array}{r} 154 \\ 47 \overline{) 7253} \\ \underline{7238} \\ - - - - \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7253 \div 53 = 136 \text{ remainder } 45$$

$$\begin{array}{r} 136 \\ 53 \overline{) 7253} \\ \underline{7208} \\ - - - - \\ 45 \leftarrow \text{remainder} \end{array}$$

$$7253 \div 59 = 122 \text{ remainder } 55$$

$$\begin{array}{r} 122 \\ 59 \overline{) 7253} \\ \underline{7198} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 61 = 118 \text{ remainder } 55$$

$$\begin{array}{r} 118 \\ 61 \overline{) 7253} \\ \underline{7198} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 67 = 108 \text{ remainder } 17$$

$$\begin{array}{r} 108 \\ 67 \overline{) 7253} \\ \underline{7236} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 71 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 71 \overline{) 7253} \\ \underline{7242} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 73 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7253} \\ \underline{7227} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$7253 \div 79 = 91 \text{ remainder } 64$$

$$\begin{array}{r} 91 \\ 79 \overline{) 7253} \end{array}$$

7189

----

64 ← remainder

$7253 \div 83 = 87 \text{ remainder } 32$

83 |  $\overline{87 \over 7253}$   
7221

----

32 ← remainder

## **P<sub>929</sub> 7283**

$$7283 \div 2 = 3641 \text{ remainder } 1$$

$$\begin{array}{r} 3641 \\ 2 \overline{) 7283} \\ \underline{7282} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 3 = 2427 \text{ remainder } 2$$

$$\begin{array}{r} 2427 \\ 3 \overline{) 7283} \\ \underline{7281} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 5 = 1456 \text{ remainder } 3$$

$$\begin{array}{r} 1456 \\ 5 \overline{) 7283} \\ \underline{7280} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 7 = 1040 \text{ remainder } 3$$

$$\begin{array}{r} 1040 \\ 7 \overline{) 7283} \\ \underline{7280} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 11 = 662 \text{ remainder } 1$$

$$\begin{array}{r} 662 \\ 11 \overline{) 7283} \\ \underline{7282} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 13 = 560 \text{ remainder } 3$$

$$\begin{array}{r} 560 \\ 13 \overline{) 7283} \\ \underline{7280} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 17 = 428 \text{ remainder } 7$$

$$\begin{array}{r} 428 \\ 17 \overline{) 7283} \\ \underline{7276} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 19 = 383 \text{ remainder } 6$$

$$\begin{array}{r} 383 \\ 19 \overline{) 7283} \\ \underline{7277} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 23 = 316 \text{ remainder } 15$$

$$\begin{array}{r} 316 \\ 23 \overline{) 7283} \\ \underline{7268} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 29 = 251 \text{ remainder } 4$$

$$\begin{array}{r} 251 \\ 29 \overline{) 7283} \\ \underline{7279} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7283 \div 31 = 234 \text{ remainder } 29$$

$$\begin{array}{r} 234 \\ 31 \overline{) 7283} \end{array}$$



$$\begin{array}{r} 7254 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7283 \div 37 = 196 \text{ remainder } 31$$

$$\begin{array}{r} 196 \\ 37 \overline{) 7283} \\ \underline{7252} \phantom{00} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$7283 \div 41 = 177 \text{ remainder } 26$$

$$\begin{array}{r} 177 \\ 41 \overline{) 7283} \\ \underline{7257} \phantom{00} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7283 \div 43 = 169 \text{ remainder } 16$$

$$\begin{array}{r} 169 \\ 43 \overline{) 7283} \\ \underline{7267} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7283 \div 47 = 154 \text{ remainder } 45$$

$$\begin{array}{r} 154 \\ 47 \overline{) 7283} \\ \underline{7238} \phantom{00} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$7283 \div 53 = 137 \text{ remainder } 22$$

$$\begin{array}{r} 137 \\ 53 \overline{) 7283} \\ \underline{7261} \phantom{00} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7283 \div 59 = 123 \text{ remainder } 26$$

$$\begin{array}{r} 123 \\ 59 \overline{) 7283} \\ \underline{7257} \phantom{00} \\ 26 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7283 \div 61 = 119 \text{ remainder } 24$$

$$\begin{array}{r} 119 \\ 61 \overline{) 7283} \\ \underline{7259} \phantom{00} \\ 24 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7283 \div 67 = 108 \text{ remainder } 47$$

$$\begin{array}{r} 108 \\ 67 \overline{) 7283} \\ \underline{7236} \phantom{00} \\ 47 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7283 \div 71 = 102 \text{ remainder } 41$$

$$\begin{array}{r} 102 \\ 71 \overline{) 7283} \\ \underline{7242} \phantom{00} \\ 41 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7283 \div 73 = 99 \text{ remainder } 56$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7283} \\ \underline{7227} \phantom{00} \\ 56 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7283 \div 79 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 79 \overline{) 7283} \end{array}$$

7268

----

15 ← remainder

$7283 \div 83 = 87 \text{ remainder } 62$

83 |  $\overline{87 \phantom{00} 7283}$   
7221

----

62 ← remainder

## **P<sub>930</sub> 7297**

$$7297 \div 2 = 3648 \text{ remainder } 1$$

$$\begin{array}{r} 3648 \\ 2 \overline{) 7297} \\ \underline{7296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 3 = 2432 \text{ remainder } 1$$

$$\begin{array}{r} 2432 \\ 3 \overline{) 7297} \\ \underline{7296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 5 = 1459 \text{ remainder } 2$$

$$\begin{array}{r} 1459 \\ 5 \overline{) 7297} \\ \underline{7295} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 7 = 1042 \text{ remainder } 3$$

$$\begin{array}{r} 1042 \\ 7 \overline{) 7297} \\ \underline{7294} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 11 = 663 \text{ remainder } 4$$

$$\begin{array}{r} 663 \\ 11 \overline{) 7297} \\ \underline{7293} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 13 = 561 \text{ remainder } 4$$

$$\begin{array}{r} 561 \\ 13 \overline{) 7297} \\ \underline{7293} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 17 = 429 \text{ remainder } 4$$

$$\begin{array}{r} 429 \\ 17 \overline{) 7297} \\ \underline{7293} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 19 = 384 \text{ remainder } 1$$

$$\begin{array}{r} 384 \\ 19 \overline{) 7297} \\ \underline{7296} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 23 = 317 \text{ remainder } 6$$

$$\begin{array}{r} 317 \\ 23 \overline{) 7297} \\ \underline{7291} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 29 = 251 \text{ remainder } 18$$

$$\begin{array}{r} 251 \\ 29 \overline{) 7297} \\ \underline{7279} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 31 = 235 \text{ remainder } 12$$

$$\begin{array}{r} 235 \\ 31 \overline{) 7297} \end{array}$$

$$\begin{array}{r} 7285 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7297 \div 37 = 197 \text{ remainder } 8$$

$$\begin{array}{r} 197 \\ 37 \mid \overline{7297} \\ \underline{7289} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7297 \div 41 = 177 \text{ remainder } 40$$

$$\begin{array}{r} 177 \\ 41 \mid \overline{7297} \\ \underline{7257} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$7297 \div 43 = 169 \text{ remainder } 30$$

$$\begin{array}{r} 169 \\ 43 \mid \overline{7297} \\ \underline{7267} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7297 \div 47 = 155 \text{ remainder } 12$$

$$\begin{array}{r} 155 \\ 47 \mid \overline{7297} \\ \underline{7285} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7297 \div 53 = 137 \text{ remainder } 36$$

$$\begin{array}{r} 137 \\ 53 \mid \overline{7297} \\ \underline{7261} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7297 \div 59 = 123 \text{ remainder } 40$$

$$\begin{array}{r} 123 \\ 59 \overline{) 7297} \\ \underline{7257} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 61 = 119 \text{ remainder } 38$$

$$\begin{array}{r} 119 \\ 61 \overline{) 7297} \\ \underline{7259} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 67 = 108 \text{ remainder } 61$$

$$\begin{array}{r} 108 \\ 67 \overline{) 7297} \\ \underline{7236} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 71 = 102 \text{ remainder } 55$$

$$\begin{array}{r} 102 \\ 71 \overline{) 7297} \\ \underline{7242} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 73 = 99 \text{ remainder } 70$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7297} \\ \underline{7227} \\ 70 \end{array} \leftarrow \text{remainder}$$

$$7297 \div 79 = 92 \text{ remainder } 29$$

$$\begin{array}{r} 92 \\ 79 \overline{) 7297} \end{array}$$

7268

----

29 ← remainder

$7297 \div 83 = 87 \text{ remainder } 76$

83 |  $\overline{87 \over 7297}$   
7221

----

76 ← remainder



## **P<sub>931</sub> 7307**

$$7307 \div 2 = 3653 \text{ remainder } 1$$

$$\begin{array}{r} 3653 \\ 2 \overline{) 7307} \\ \underline{7306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 3 = 2435 \text{ remainder } 2$$

$$\begin{array}{r} 2435 \\ 3 \overline{) 7307} \\ \underline{7305} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 5 = 1461 \text{ remainder } 2$$

$$\begin{array}{r} 1461 \\ 5 \overline{) 7307} \\ \underline{7305} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 7 = 1043 \text{ remainder } 6$$

$$\begin{array}{r} 1043 \\ 7 \overline{) 7307} \\ \underline{7301} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 11 = 664 \text{ remainder } 3$$

$$\begin{array}{r} 664 \\ 11 \overline{) 7307} \\ \underline{7304} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 13 = 562 \text{ remainder } 1$$

$$\begin{array}{r} 562 \\ 13 \overline{) 7307} \\ \underline{7306} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 17 = 429 \text{ remainder } 14$$

$$\begin{array}{r} 429 \\ 17 \overline{) 7307} \\ \underline{7293} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 19 = 384 \text{ remainder } 11$$

$$\begin{array}{r} 384 \\ 19 \overline{) 7307} \\ \underline{7296} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 23 = 317 \text{ remainder } 16$$

$$\begin{array}{r} 317 \\ 23 \overline{) 7307} \\ \underline{7291} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 29 = 251 \text{ remainder } 28$$

$$\begin{array}{r} 251 \\ 29 \overline{) 7307} \\ \underline{7279} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 31 = 235 \text{ remainder } 22$$

$$\begin{array}{r} 235 \\ 31 \overline{) 7307} \end{array}$$

$$\begin{array}{r} 7285 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7307 \div 37 = 197 \text{ remainder } 18$$

$$\begin{array}{r} 197 \\ 37 \mid \overline{7307} \\ \underline{7289} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$7307 \div 41 = 178 \text{ remainder } 9$$

$$\begin{array}{r} 178 \\ 41 \mid \overline{7307} \\ \underline{7298} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7307 \div 43 = 169 \text{ remainder } 40$$

$$\begin{array}{r} 169 \\ 43 \mid \overline{7307} \\ \underline{7267} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$7307 \div 47 = 155 \text{ remainder } 22$$

$$\begin{array}{r} 155 \\ 47 \mid \overline{7307} \\ \underline{7285} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7307 \div 53 = 137 \text{ remainder } 46$$

$$\begin{array}{r} 137 \\ 53 \mid \overline{7307} \\ \underline{7261} \\ \text{----} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$7307 \div 59 = 123 \text{ remainder } 50$$

$$\begin{array}{r} 123 \\ 59 \overline{) 7307} \\ \underline{7257} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 61 = 119 \text{ remainder } 48$$

$$\begin{array}{r} 119 \\ 61 \overline{) 7307} \\ \underline{7259} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 67 = 109 \text{ remainder } 4$$

$$\begin{array}{r} 109 \\ 67 \overline{) 7307} \\ \underline{7303} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 71 = 102 \text{ remainder } 65$$

$$\begin{array}{r} 102 \\ 71 \overline{) 7307} \\ \underline{7242} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 73 = 100 \text{ remainder } 7$$

$$\begin{array}{r} 100 \\ 73 \overline{) 7307} \\ \underline{7300} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7307 \div 79 = 92 \text{ remainder } 39$$

$$\begin{array}{r} 92 \\ 79 \overline{) 7307} \end{array}$$

7268

----

39 ← remainder

$$7307 \div 83 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 83 \overline{) 7307} \\ \underline{7304} \end{array}$$

----

3 ← remainder

## **P<sub>932</sub> 7309**

$$7309 \div 2 = 3654 \text{ remainder } 1$$

$$\begin{array}{r} 3654 \\ 2 \overline{) 7309} \\ \underline{7308} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 3 = 2436 \text{ remainder } 1$$

$$\begin{array}{r} 2436 \\ 3 \overline{) 7309} \\ \underline{7308} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 5 = 1461 \text{ remainder } 4$$

$$\begin{array}{r} 1461 \\ 5 \overline{) 7309} \\ \underline{7305} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 7 = 1044 \text{ remainder } 1$$

$$\begin{array}{r} 1044 \\ 7 \overline{) 7309} \\ \underline{7308} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 11 = 664 \text{ remainder } 5$$

$$\begin{array}{r} 664 \\ 11 \overline{) 7309} \\ \underline{7304} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 13 = 562 \text{ remainder } 3$$

$$\begin{array}{r} 562 \\ 13 \overline{) 7309} \\ \underline{7306} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 17 = 429 \text{ remainder } 16$$

$$\begin{array}{r} 429 \\ 17 \overline{) 7309} \\ \underline{7293} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 19 = 384 \text{ remainder } 13$$

$$\begin{array}{r} 384 \\ 19 \overline{) 7309} \\ \underline{7296} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 23 = 317 \text{ remainder } 18$$

$$\begin{array}{r} 317 \\ 23 \overline{) 7309} \\ \underline{7291} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 29 = 252 \text{ remainder } 1$$

$$\begin{array}{r} 252 \\ 29 \overline{) 7309} \\ \underline{7308} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7309 \div 31 = 235 \text{ remainder } 24$$

$$\begin{array}{r} 235 \\ 31 \overline{) 7309} \end{array}$$

$$\begin{array}{r} 7285 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7309 \div 37 = 197 \text{ remainder } 20$$

$$\begin{array}{r} 197 \\ 37 \overline{) 7309} \\ \underline{7289} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7309 \div 41 = 178 \text{ remainder } 11$$

$$\begin{array}{r} 178 \\ 41 \overline{) 7309} \\ \underline{7298} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$7309 \div 43 = 169 \text{ remainder } 42$$

$$\begin{array}{r} 169 \\ 43 \overline{) 7309} \\ \underline{7267} \\ \text{----} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$7309 \div 47 = 155 \text{ remainder } 24$$

$$\begin{array}{r} 155 \\ 47 \overline{) 7309} \\ \underline{7285} \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7309 \div 53 = 137 \text{ remainder } 48$$

$$\begin{array}{r} 137 \\ 53 \overline{) 7309} \\ \underline{7261} \\ \text{----} \\ 48 \leftarrow \text{remainder} \end{array}$$



$$7309 \div 59 = 123 \text{ remainder } 52$$

$$\begin{array}{r} 123 \\ 59 \overline{) 7309} \\ \underline{7257} \phantom{00} \\ 52 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7309 \div 61 = 119 \text{ remainder } 50$$

$$\begin{array}{r} 119 \\ 61 \overline{) 7309} \\ \underline{7259} \phantom{00} \\ 50 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7309 \div 67 = 109 \text{ remainder } 6$$

$$\begin{array}{r} 109 \\ 67 \overline{) 7309} \\ \underline{7303} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7309 \div 71 = 102 \text{ remainder } 67$$

$$\begin{array}{r} 102 \\ 71 \overline{) 7309} \\ \underline{7242} \phantom{00} \\ 67 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7309 \div 73 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 73 \overline{) 7309} \\ \underline{7300} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7309 \div 79 = 92 \text{ remainder } 41$$

$$\begin{array}{r} 92 \\ 79 \overline{) 7309} \end{array}$$

7268

----

41 ← remainder

$7309 \div 83 = 88 \text{ remainder } 5$

83 |  $\overline{7309}$   
      88  
       $\overline{7309}$   
      7304

----

5 ← remainder

## **P<sub>933</sub> 7321**

$$7321 \div 2 = 3660 \text{ remainder } 1$$

$$\begin{array}{r} 3660 \\ 2 \overline{) 7321} \\ \underline{7320} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 3 = 2440 \text{ remainder } 1$$

$$\begin{array}{r} 2440 \\ 3 \overline{) 7321} \\ \underline{7320} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 5 = 1464 \text{ remainder } 1$$

$$\begin{array}{r} 1464 \\ 5 \overline{) 7321} \\ \underline{7320} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 7 = 1045 \text{ remainder } 6$$

$$\begin{array}{r} 1045 \\ 7 \overline{) 7321} \\ \underline{7315} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 11 = 665 \text{ remainder } 6$$

$$\begin{array}{r} 665 \\ 11 \overline{) 7321} \\ \underline{7315} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 13 = 563 \text{ remainder } 2$$

$$\begin{array}{r} 563 \\ 13 \overline{) 7321} \\ \underline{7319} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 17 = 430 \text{ remainder } 11$$

$$\begin{array}{r} 430 \\ 17 \overline{) 7321} \\ \underline{7310} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 19 = 385 \text{ remainder } 6$$

$$\begin{array}{r} 385 \\ 19 \overline{) 7321} \\ \underline{7315} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 23 = 318 \text{ remainder } 7$$

$$\begin{array}{r} 318 \\ 23 \overline{) 7321} \\ \underline{7314} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 29 = 252 \text{ remainder } 13$$

$$\begin{array}{r} 252 \\ 29 \overline{) 7321} \\ \underline{7308} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 31 = 236 \text{ remainder } 5$$

$$\begin{array}{r} 236 \\ 31 \overline{) 7321} \end{array}$$

7316

----

5 ← remainder

$$7321 \div 37 = 197 \text{ remainder } 32$$

$$\begin{array}{r} 197 \\ 37 \overline{) 7321} \\ \underline{7289} \end{array}$$

----

32 ← remainder

$$7321 \div 41 = 178 \text{ remainder } 23$$

$$\begin{array}{r} 178 \\ 41 \overline{) 7321} \\ \underline{7298} \end{array}$$

----

23 ← remainder

$$7321 \div 43 = 170 \text{ remainder } 11$$

$$\begin{array}{r} 170 \\ 43 \overline{) 7321} \\ \underline{7310} \end{array}$$

----

11 ← remainder

$$7321 \div 47 = 155 \text{ remainder } 36$$

$$\begin{array}{r} 155 \\ 47 \overline{) 7321} \\ \underline{7285} \end{array}$$

----

36 ← remainder

$$7321 \div 53 = 138 \text{ remainder } 7$$

$$\begin{array}{r} 138 \\ 53 \overline{) 7321} \\ \underline{7314} \end{array}$$

----

7 ← remainder

$$7321 \div 59 = 124 \text{ remainder } 5$$

$$\begin{array}{r} 124 \\ 59 \overline{) 7321} \\ \underline{7316} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 61 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 61 \overline{) 7321} \\ \underline{7320} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 67 = 109 \text{ remainder } 18$$

$$\begin{array}{r} 109 \\ 67 \overline{) 7321} \\ \underline{7303} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 71 = 103 \text{ remainder } 8$$

$$\begin{array}{r} 103 \\ 71 \overline{) 7321} \\ \underline{7313} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 73 = 100 \text{ remainder } 21$$

$$\begin{array}{r} 100 \\ 73 \overline{) 7321} \\ \underline{7300} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7321 \div 79 = 92 \text{ remainder } 53$$

$$\begin{array}{r} 92 \\ 79 \overline{) 7321} \end{array}$$

7268

----

53 ← remainder

$$7321 \div 83 = 88 \text{ remainder } 17$$

$$\begin{array}{r} 88 \\ 83 \overline{) 7321} \\ \underline{7304} \end{array}$$

----

17 ← remainder

## **P<sub>934</sub> 7331**

$$7331 \div 2 = 3665 \text{ remainder } 1$$

$$\begin{array}{r} 3665 \\ 2 \overline{) 7331} \\ \underline{7330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 3 = 2443 \text{ remainder } 2$$

$$\begin{array}{r} 2443 \\ 3 \overline{) 7331} \\ \underline{7329} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 5 = 1466 \text{ remainder } 1$$

$$\begin{array}{r} 1466 \\ 5 \overline{) 7331} \\ \underline{7330} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 7 = 1047 \text{ remainder } 2$$

$$\begin{array}{r} 1047 \\ 7 \overline{) 7331} \\ \underline{7329} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 11 = 666 \text{ remainder } 5$$

$$\begin{array}{r} 666 \\ 11 \overline{) 7331} \\ \underline{7326} \\ 5 \end{array} \leftarrow \text{remainder}$$



$$7331 \div 13 = 563 \text{ remainder } 12$$

$$\begin{array}{r} 563 \\ 13 \overline{) 7331} \\ \underline{7319} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 17 = 431 \text{ remainder } 4$$

$$\begin{array}{r} 431 \\ 17 \overline{) 7331} \\ \underline{7327} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 19 = 385 \text{ remainder } 16$$

$$\begin{array}{r} 385 \\ 19 \overline{) 7331} \\ \underline{7315} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 23 = 318 \text{ remainder } 17$$

$$\begin{array}{r} 318 \\ 23 \overline{) 7331} \\ \underline{7314} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 29 = 252 \text{ remainder } 23$$

$$\begin{array}{r} 252 \\ 29 \overline{) 7331} \\ \underline{7308} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 31 = 236 \text{ remainder } 15$$

$$\begin{array}{r} 236 \\ 31 \overline{) 7331} \end{array}$$

$$\begin{array}{r} 7316 \\ - - - - \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7331 \div 37 = 198 \text{ remainder } 5$$

$$\begin{array}{r} 198 \\ 37 \overline{) 7331} \\ \underline{7326} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7331 \div 41 = 178 \text{ remainder } 33$$

$$\begin{array}{r} 178 \\ 41 \overline{) 7331} \\ \underline{7298} \\ - - - - \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7331 \div 43 = 170 \text{ remainder } 21$$

$$\begin{array}{r} 170 \\ 43 \overline{) 7331} \\ \underline{7310} \\ - - - - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7331 \div 47 = 155 \text{ remainder } 46$$

$$\begin{array}{r} 155 \\ 47 \overline{) 7331} \\ \underline{7285} \\ - - - - \\ 46 \leftarrow \text{remainder} \end{array}$$

$$7331 \div 53 = 138 \text{ remainder } 17$$

$$\begin{array}{r} 138 \\ 53 \overline{) 7331} \\ \underline{7314} \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7331 \div 59 = 124 \text{ remainder } 15$$

$$\begin{array}{r} 124 \\ 59 \overline{) 7331} \\ \underline{7316} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 61 = 120 \text{ remainder } 11$$

$$\begin{array}{r} 120 \\ 61 \overline{) 7331} \\ \underline{7320} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 67 = 109 \text{ remainder } 28$$

$$\begin{array}{r} 109 \\ 67 \overline{) 7331} \\ \underline{7303} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 71 = 103 \text{ remainder } 18$$

$$\begin{array}{r} 103 \\ 71 \overline{) 7331} \\ \underline{7313} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 73 = 100 \text{ remainder } 31$$

$$\begin{array}{r} 100 \\ 73 \overline{) 7331} \\ \underline{7300} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7331 \div 79 = 92 \text{ remainder } 63$$

$$\begin{array}{r} 92 \\ 79 \overline{) 7331} \end{array}$$

7268

----

63 ← remainder

$$7331 \div 83 = 88 \text{ remainder } 27$$

$$\begin{array}{r} 88 \\ 83 \overline{) 7331} \\ \underline{7304} \end{array}$$

----

27 ← remainder

## **P<sub>935</sub> 7333**

$$7333 \div 2 = 3666 \text{ remainder } 1$$

$$\begin{array}{r} 3666 \\ 2 \overline{) 7333} \\ \underline{7332} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 3 = 2444 \text{ remainder } 1$$

$$\begin{array}{r} 2444 \\ 3 \overline{) 7333} \\ \underline{7332} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 5 = 1466 \text{ remainder } 3$$

$$\begin{array}{r} 1466 \\ 5 \overline{) 7333} \\ \underline{7330} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 7 = 1047 \text{ remainder } 4$$

$$\begin{array}{r} 1047 \\ 7 \overline{) 7333} \\ \underline{7329} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 11 = 666 \text{ remainder } 7$$

$$\begin{array}{r} 666 \\ 11 \overline{) 7333} \\ \underline{7326} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 13 = 564 \text{ remainder } 1$$

$$\begin{array}{r} 564 \\ 13 \overline{) 7333} \\ \underline{7332} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 17 = 431 \text{ remainder } 6$$

$$\begin{array}{r} 431 \\ 17 \overline{) 7333} \\ \underline{7327} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 19 = 385 \text{ remainder } 18$$

$$\begin{array}{r} 385 \\ 19 \overline{) 7333} \\ \underline{7315} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 23 = 318 \text{ remainder } 19$$

$$\begin{array}{r} 318 \\ 23 \overline{) 7333} \\ \underline{7314} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 29 = 252 \text{ remainder } 25$$

$$\begin{array}{r} 252 \\ 29 \overline{) 7333} \\ \underline{7308} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 31 = 236 \text{ remainder } 17$$

$$\begin{array}{r} 236 \\ 31 \overline{) 7333} \end{array}$$

$$\begin{array}{r} 7316 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7333 \div 37 = 198 \text{ remainder } 7$$

$$\begin{array}{r} 198 \\ 37 \overline{) 7333} \\ \underline{7326} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7333 \div 41 = 178 \text{ remainder } 35$$

$$\begin{array}{r} 178 \\ 41 \overline{) 7333} \\ \underline{7298} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7333 \div 43 = 170 \text{ remainder } 23$$

$$\begin{array}{r} 170 \\ 43 \overline{) 7333} \\ \underline{7310} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7333 \div 47 = 156 \text{ remainder } 1$$

$$\begin{array}{r} 156 \\ 47 \overline{) 7333} \\ \underline{7332} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7333 \div 53 = 138 \text{ remainder } 19$$

$$\begin{array}{r} 138 \\ 53 \overline{) 7333} \\ \underline{7314} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7333 \div 59 = 124 \text{ remainder } 17$$

$$\begin{array}{r} 124 \\ 59 \overline{) 7333} \\ \underline{7316} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 61 = 120 \text{ remainder } 13$$

$$\begin{array}{r} 120 \\ 61 \overline{) 7333} \\ \underline{7320} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 67 = 109 \text{ remainder } 30$$

$$\begin{array}{r} 109 \\ 67 \overline{) 7333} \\ \underline{7303} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 71 = 103 \text{ remainder } 20$$

$$\begin{array}{r} 103 \\ 71 \overline{) 7333} \\ \underline{7313} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 73 = 100 \text{ remainder } 33$$

$$\begin{array}{r} 100 \\ 73 \overline{) 7333} \\ \underline{7300} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7333 \div 79 = 92 \text{ remainder } 65$$

$$\begin{array}{r} 92 \\ 79 \overline{) 7333} \end{array}$$



7268

----

65 ← remainder

$7333 \div 83 = 88 \text{ remainder } 29$

83 |  $\overline{7333}$   
7304

----

29 ← remainder

## **P<sub>936</sub> 7349**

$$7349 \div 2 = 3674 \text{ remainder } 1$$

$$\begin{array}{r} 2 \mid \overline{7349} \quad \overline{3674} \text{ ---} \\ \underline{7348} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 3 = 2449 \text{ remainder } 2$$

$$\begin{array}{r} 3 \mid \overline{7349} \quad \overline{2449} \text{ ---} \\ \underline{7347} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 5 = 1469 \text{ remainder } 4$$

$$\begin{array}{r} 5 \mid \overline{7349} \quad \overline{1469} \text{ ---} \\ \underline{7345} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 7 = 1049 \text{ remainder } 6$$

$$\begin{array}{r} 7 \mid \overline{7349} \quad \overline{1049} \text{ ---} \\ \underline{7343} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 11 = 668 \text{ remainder } 1$$

$$\begin{array}{r} 11 \mid \overline{7349} \quad \overline{668} \text{ ---} \\ \underline{7348} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 13 = 565 \text{ remainder } 4$$

$$\begin{array}{r} 565 \\ 13 \overline{) 7349} \\ \underline{7345} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 17 = 432 \text{ remainder } 5$$

$$\begin{array}{r} 432 \\ 17 \overline{) 7349} \\ \underline{7344} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 19 = 386 \text{ remainder } 15$$

$$\begin{array}{r} 386 \\ 19 \overline{) 7349} \\ \underline{7334} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 23 = 319 \text{ remainder } 12$$

$$\begin{array}{r} 319 \\ 23 \overline{) 7349} \\ \underline{7337} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 29 = 253 \text{ remainder } 12$$

$$\begin{array}{r} 253 \\ 29 \overline{) 7349} \\ \underline{7337} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 31 = 237 \text{ remainder } 2$$

$$\begin{array}{r} 237 \\ 31 \overline{) 7349} \end{array}$$

$$\begin{array}{r} 7347 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 37 = 198 \text{ remainder } 23$$

$$\begin{array}{r} 198 \\ 37 \overline{) 7349} \\ \underline{7326} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 41 = 179 \text{ remainder } 10$$

$$\begin{array}{r} 179 \\ 41 \overline{) 7349} \\ \underline{7339} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 43 = 170 \text{ remainder } 39$$

$$\begin{array}{r} 170 \\ 43 \overline{) 7349} \\ \underline{7310} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 47 = 156 \text{ remainder } 17$$

$$\begin{array}{r} 156 \\ 47 \overline{) 7349} \\ \underline{7332} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 53 = 138 \text{ remainder } 35$$

$$\begin{array}{r} 138 \\ 53 \overline{) 7349} \\ \underline{7314} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 59 = 124 \text{ remainder } 33$$

$$\begin{array}{r} 124 \\ 59 \overline{) 7349} \\ \underline{7316} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 61 = 120 \text{ remainder } 29$$

$$\begin{array}{r} 120 \\ 61 \overline{) 7349} \\ \underline{7320} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 67 = 109 \text{ remainder } 46$$

$$\begin{array}{r} 109 \\ 67 \overline{) 7349} \\ \underline{7303} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 71 = 103 \text{ remainder } 36$$

$$\begin{array}{r} 103 \\ 71 \overline{) 7349} \\ \underline{7313} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 73 = 100 \text{ remainder } 49$$

$$\begin{array}{r} 100 \\ 73 \overline{) 7349} \\ \underline{7300} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7349 \div 79 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 79 \overline{) 7349} \end{array}$$

7347

----

2 ← remainder

$7349 \div 83 = 88 \text{ remainder } 45$

83 |  $\overline{7349}$   
      88  
       $\overline{7304}$

----

45 ← remainder

## **P<sub>937</sub> 7351**

$$7351 \div 2 = 3675 \text{ remainder } 1$$

$$\begin{array}{r} 3675 \\ 2 \overline{) 7351} \\ \underline{7350} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 3 = 2450 \text{ remainder } 1$$

$$\begin{array}{r} 2450 \\ 3 \overline{) 7351} \\ \underline{7350} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 5 = 1470 \text{ remainder } 1$$

$$\begin{array}{r} 1470 \\ 5 \overline{) 7351} \\ \underline{7350} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 7 = 1050 \text{ remainder } 1$$

$$\begin{array}{r} 1050 \\ 7 \overline{) 7351} \\ \underline{7350} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 11 = 668 \text{ remainder } 3$$

$$\begin{array}{r} 668 \\ 11 \overline{) 7351} \\ \underline{7348} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 13 = 565 \text{ remainder } 6$$

$$\begin{array}{r} 565 \\ 13 \overline{) 7351} \\ \underline{7345} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 17 = 432 \text{ remainder } 7$$

$$\begin{array}{r} 432 \\ 17 \overline{) 7351} \\ \underline{7344} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 19 = 386 \text{ remainder } 17$$

$$\begin{array}{r} 386 \\ 19 \overline{) 7351} \\ \underline{7334} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 23 = 319 \text{ remainder } 14$$

$$\begin{array}{r} 319 \\ 23 \overline{) 7351} \\ \underline{7337} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 29 = 253 \text{ remainder } 14$$

$$\begin{array}{r} 253 \\ 29 \overline{) 7351} \\ \underline{7337} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 31 = 237 \text{ remainder } 4$$

$$\begin{array}{r} 237 \\ 31 \overline{) 7351} \end{array}$$



$$\begin{array}{r} 7347 \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7351 \div 37 = 198 \text{ remainder } 25$$

$$\begin{array}{r} 198 \\ 37 \overline{) 7351} \\ \underline{7326} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7351 \div 41 = 179 \text{ remainder } 12$$

$$\begin{array}{r} 179 \\ 41 \overline{) 7351} \\ \underline{7339} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7351 \div 43 = 170 \text{ remainder } 41$$

$$\begin{array}{r} 170 \\ 43 \overline{) 7351} \\ \underline{7310} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$7351 \div 47 = 156 \text{ remainder } 19$$

$$\begin{array}{r} 156 \\ 47 \overline{) 7351} \\ \underline{7332} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7351 \div 53 = 138 \text{ remainder } 37$$

$$\begin{array}{r} 138 \\ 53 \overline{) 7351} \\ \underline{7314} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$7351 \div 59 = 124 \text{ remainder } 35$$

$$\begin{array}{r} 124 \\ 59 \overline{) 7351} \\ \underline{7316} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 61 = 120 \text{ remainder } 31$$

$$\begin{array}{r} 120 \\ 61 \overline{) 7351} \\ \underline{7320} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 67 = 109 \text{ remainder } 48$$

$$\begin{array}{r} 109 \\ 67 \overline{) 7351} \\ \underline{7303} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 71 = 103 \text{ remainder } 38$$

$$\begin{array}{r} 103 \\ 71 \overline{) 7351} \\ \underline{7313} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 73 = 100 \text{ remainder } 51$$

$$\begin{array}{r} 100 \\ 73 \overline{) 7351} \\ \underline{7300} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7351 \div 79 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 79 \overline{) 7351} \end{array}$$

7347

----

4 ← remainder

$7351 \div 83 = 88 \text{ remainder } 47$

83 |  $\overline{7351}$   
88  
 $\overline{7304}$

----

47 ← remainder

## **P<sub>938</sub> 7369**

$$7369 \div 2 = 3684 \text{ remainder } 1$$

$$\begin{array}{r} 3684 \\ 2 \overline{) 7369} \\ \underline{7368} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 3 = 2456 \text{ remainder } 1$$

$$\begin{array}{r} 2456 \\ 3 \overline{) 7369} \\ \underline{7368} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 5 = 1473 \text{ remainder } 4$$

$$\begin{array}{r} 1473 \\ 5 \overline{) 7369} \\ \underline{7365} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 7 = 1052 \text{ remainder } 5$$

$$\begin{array}{r} 1052 \\ 7 \overline{) 7369} \\ \underline{7364} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 11 = 669 \text{ remainder } 10$$

$$\begin{array}{r} 669 \\ 11 \overline{) 7369} \\ \underline{7359} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 13 = 566 \text{ remainder } 11$$

$$\begin{array}{r} 566 \\ 13 \overline{) 7369} \\ \underline{7358} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 17 = 433 \text{ remainder } 8$$

$$\begin{array}{r} 433 \\ 17 \overline{) 7369} \\ \underline{7361} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 19 = 387 \text{ remainder } 16$$

$$\begin{array}{r} 387 \\ 19 \overline{) 7369} \\ \underline{7353} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 23 = 320 \text{ remainder } 9$$

$$\begin{array}{r} 320 \\ 23 \overline{) 7369} \\ \underline{7360} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 29 = 254 \text{ remainder } 3$$

$$\begin{array}{r} 254 \\ 29 \overline{) 7369} \\ \underline{7366} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 31 = 237 \text{ remainder } 22$$

$$\begin{array}{r} 237 \\ 31 \overline{) 7369} \end{array}$$

$$\begin{array}{r} 7347 \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7369 \div 37 = 199 \text{ remainder } 6$$

$$\begin{array}{r} 199 \\ 37 \mid \overline{7369} \\ \underline{7363} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7369 \div 41 = 179 \text{ remainder } 30$$

$$\begin{array}{r} 179 \\ 41 \mid \overline{7369} \\ \underline{7339} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7369 \div 43 = 171 \text{ remainder } 16$$

$$\begin{array}{r} 171 \\ 43 \mid \overline{7369} \\ \underline{7353} \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7369 \div 47 = 156 \text{ remainder } 37$$

$$\begin{array}{r} 156 \\ 47 \mid \overline{7369} \\ \underline{7332} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$7369 \div 53 = 139 \text{ remainder } 2$$

$$\begin{array}{r} 139 \\ 53 \mid \overline{7369} \\ \underline{7367} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7369 \div 59 = 124 \text{ remainder } 53$$

$$\begin{array}{r} 124 \\ 59 \overline{) 7369} \\ \underline{7316} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 61 = 120 \text{ remainder } 49$$

$$\begin{array}{r} 120 \\ 61 \overline{) 7369} \\ \underline{7320} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 67 = 109 \text{ remainder } 66$$

$$\begin{array}{r} 109 \\ 67 \overline{) 7369} \\ \underline{7303} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 71 = 103 \text{ remainder } 56$$

$$\begin{array}{r} 103 \\ 71 \overline{) 7369} \\ \underline{7313} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 73 = 100 \text{ remainder } 69$$

$$\begin{array}{r} 100 \\ 73 \overline{) 7369} \\ \underline{7300} \\ 69 \end{array} \leftarrow \text{remainder}$$

$$7369 \div 79 = 93 \text{ remainder } 22$$

$$\begin{array}{r} 93 \\ 79 \overline{) 7369} \end{array}$$

7347

----

22 ← remainder

$7369 \div 83 = 88 \text{ remainder } 65$

83 |  $\overline{7369}$   
      88  
       $\overline{7304}$

----

65 ← remainder



## **P<sub>939</sub> 7393**

$$7393 \div 2 = 3696 \text{ remainder } 1$$

$$\begin{array}{r} 3696 \\ 2 \overline{) 7393} \\ \underline{7392} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 3 = 2464 \text{ remainder } 1$$

$$\begin{array}{r} 2464 \\ 3 \overline{) 7393} \\ \underline{7392} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 5 = 1478 \text{ remainder } 3$$

$$\begin{array}{r} 1478 \\ 5 \overline{) 7393} \\ \underline{7390} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 7 = 1056 \text{ remainder } 1$$

$$\begin{array}{r} 1056 \\ 7 \overline{) 7393} \\ \underline{7392} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 11 = 672 \text{ remainder } 1$$

$$\begin{array}{r} 672 \\ 11 \overline{) 7393} \\ \underline{7392} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 13 = 568 \text{ remainder } 9$$

$$\begin{array}{r} 568 \\ 13 \overline{) 7393} \\ \underline{7384} \phantom{00} \\ 9 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7393 \div 17 = 434 \text{ remainder } 15$$

$$\begin{array}{r} 434 \\ 17 \overline{) 7393} \\ \underline{7378} \phantom{00} \\ 15 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7393 \div 19 = 389 \text{ remainder } 2$$

$$\begin{array}{r} 389 \\ 19 \overline{) 7393} \\ \underline{7391} \phantom{00} \\ 2 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7393 \div 23 = 321 \text{ remainder } 10$$

$$\begin{array}{r} 321 \\ 23 \overline{) 7393} \\ \underline{7383} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7393 \div 29 = 254 \text{ remainder } 27$$

$$\begin{array}{r} 254 \\ 29 \overline{) 7393} \\ \underline{7366} \phantom{00} \\ 27 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7393 \div 31 = 238 \text{ remainder } 15$$

$$\begin{array}{r} 238 \\ 31 \overline{) 7393} \end{array}$$

$$\begin{array}{r} 7378 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7393 \div 37 = 199 \text{ remainder } 30$$

$$\begin{array}{r} 199 \\ 37 \overline{) 7393} \\ \underline{7363} \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7393 \div 41 = 180 \text{ remainder } 13$$

$$\begin{array}{r} 180 \\ 41 \overline{) 7393} \\ \underline{7380} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7393 \div 43 = 171 \text{ remainder } 40$$

$$\begin{array}{r} 171 \\ 43 \overline{) 7393} \\ \underline{7353} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$7393 \div 47 = 157 \text{ remainder } 14$$

$$\begin{array}{r} 157 \\ 47 \overline{) 7393} \\ \underline{7379} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$7393 \div 53 = 139 \text{ remainder } 26$$

$$\begin{array}{r} 139 \\ 53 \overline{) 7393} \\ \underline{7367} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7393 \div 59 = 125 \text{ remainder } 18$$

$$\begin{array}{r} 125 \\ 59 \overline{) 7393} \\ \underline{7375} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 61 = 121 \text{ remainder } 12$$

$$\begin{array}{r} 121 \\ 61 \overline{) 7393} \\ \underline{7381} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 67 = 110 \text{ remainder } 23$$

$$\begin{array}{r} 110 \\ 67 \overline{) 7393} \\ \underline{7370} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 71 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 71 \overline{) 7393} \\ \underline{7384} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 73 = 101 \text{ remainder } 20$$

$$\begin{array}{r} 101 \\ 73 \overline{) 7393} \\ \underline{7373} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7393 \div 79 = 93 \text{ remainder } 46$$

$$\begin{array}{r} 93 \\ 79 \overline{) 7393} \end{array}$$

7347

----

46 ← remainder

$7393 \div 83 = 89 \text{ remainder } 6$

83 |  $\overline{7393}$   
      89  
       $\overline{7387}$

----

6 ← remainder

## **P<sub>940</sub> 7411**

$$7411 \div 2 = 3705 \text{ remainder } 1$$

$$\begin{array}{r} 3705 \\ 2 \overline{) 7411} \\ \underline{7410} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 3 = 2470 \text{ remainder } 1$$

$$\begin{array}{r} 2470 \\ 3 \overline{) 7411} \\ \underline{7410} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 5 = 1482 \text{ remainder } 1$$

$$\begin{array}{r} 1482 \\ 5 \overline{) 7411} \\ \underline{7410} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 7 = 1058 \text{ remainder } 5$$

$$\begin{array}{r} 1058 \\ 7 \overline{) 7411} \\ \underline{7406} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 11 = 673 \text{ remainder } 8$$

$$\begin{array}{r} 673 \\ 11 \overline{) 7411} \\ \underline{7403} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 13 = 570 \text{ remainder } 1$$

$$\begin{array}{r} 570 \\ 13 \overline{) 7411} \\ \underline{7410} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 17 = 435 \text{ remainder } 16$$

$$\begin{array}{r} 435 \\ 17 \overline{) 7411} \\ \underline{7395} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 19 = 390 \text{ remainder } 1$$

$$\begin{array}{r} 390 \\ 19 \overline{) 7411} \\ \underline{7410} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 23 = 322 \text{ remainder } 5$$

$$\begin{array}{r} 322 \\ 23 \overline{) 7411} \\ \underline{7406} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 29 = 255 \text{ remainder } 16$$

$$\begin{array}{r} 255 \\ 29 \overline{) 7411} \\ \underline{7395} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 31 = 239 \text{ remainder } 2$$

$$\begin{array}{r} 239 \\ 31 \overline{) 7411} \end{array}$$

$$\begin{array}{r} 7409 \\ - - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7411 \div 37 = 200 \text{ remainder } 11$$

$$\begin{array}{r} 200 \\ 37 \overline{) 7411} \\ \underline{7400} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$7411 \div 41 = 180 \text{ remainder } 31$$

$$\begin{array}{r} 180 \\ 41 \overline{) 7411} \\ \underline{7380} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$7411 \div 43 = 172 \text{ remainder } 15$$

$$\begin{array}{r} 172 \\ 43 \overline{) 7411} \\ \underline{7396} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7411 \div 47 = 157 \text{ remainder } 32$$

$$\begin{array}{r} 157 \\ 47 \overline{) 7411} \\ \underline{7379} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7411 \div 53 = 139 \text{ remainder } 44$$

$$\begin{array}{r} 139 \\ 53 \overline{) 7411} \\ \underline{7367} \\ 44 \leftarrow \text{remainder} \end{array}$$



$$7411 \div 59 = 125 \text{ remainder } 36$$

$$\begin{array}{r} 125 \\ 59 \overline{) 7411} \\ \underline{7375} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 61 = 121 \text{ remainder } 30$$

$$\begin{array}{r} 121 \\ 61 \overline{) 7411} \\ \underline{7381} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 67 = 110 \text{ remainder } 41$$

$$\begin{array}{r} 110 \\ 67 \overline{) 7411} \\ \underline{7370} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 71 = 104 \text{ remainder } 27$$

$$\begin{array}{r} 104 \\ 71 \overline{) 7411} \\ \underline{7384} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 73 = 101 \text{ remainder } 38$$

$$\begin{array}{r} 101 \\ 73 \overline{) 7411} \\ \underline{7373} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7411 \div 79 = 93 \text{ remainder } 64$$

$$\begin{array}{r} 93 \\ 79 \overline{) 7411} \end{array}$$

7347

----

64 ← remainder

$7411 \div 83 = 89 \text{ remainder } 24$

83 |  $\overline{7411}$   
      89  
       $\overline{7387}$

----

24 ← remainder

## **P<sub>941</sub> 7417**

$$7417 \div 2 = 3708 \text{ remainder } 1$$

$$\begin{array}{r} 3708 \\ 2 \overline{) 7417} \\ \underline{7416} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 3 = 2472 \text{ remainder } 1$$

$$\begin{array}{r} 2472 \\ 3 \overline{) 7417} \\ \underline{7416} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 5 = 1483 \text{ remainder } 2$$

$$\begin{array}{r} 1483 \\ 5 \overline{) 7417} \\ \underline{7415} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 7 = 1059 \text{ remainder } 4$$

$$\begin{array}{r} 1059 \\ 7 \overline{) 7417} \\ \underline{7413} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 11 = 674 \text{ remainder } 3$$

$$\begin{array}{r} 674 \\ 11 \overline{) 7417} \\ \underline{7414} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 13 = 570 \text{ remainder } 7$$

$$\begin{array}{r} 570 \\ 13 \overline{) 7417} \\ \underline{7410} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 17 = 436 \text{ remainder } 5$$

$$\begin{array}{r} 436 \\ 17 \overline{) 7417} \\ \underline{7412} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 19 = 390 \text{ remainder } 7$$

$$\begin{array}{r} 390 \\ 19 \overline{) 7417} \\ \underline{7410} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 23 = 322 \text{ remainder } 11$$

$$\begin{array}{r} 322 \\ 23 \overline{) 7417} \\ \underline{7406} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 29 = 255 \text{ remainder } 22$$

$$\begin{array}{r} 255 \\ 29 \overline{) 7417} \\ \underline{7395} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 31 = 239 \text{ remainder } 8$$

$$\begin{array}{r} 239 \\ 31 \overline{) 7417} \end{array}$$

7409

----

8 ← remainder

$7417 \div 37 = 200 \text{ remainder } 17$

37 |  $\overline{7417}$   
200  
7400

----

17 ← remainder

$7417 \div 41 = 180 \text{ remainder } 37$

41 |  $\overline{7417}$   
180  
7380

----

37 ← remainder

$7417 \div 43 = 172 \text{ remainder } 21$

43 |  $\overline{7417}$   
172  
7396

----

21 ← remainder

$7417 \div 47 = 157 \text{ remainder } 38$

47 |  $\overline{7417}$   
157  
7379

----

38 ← remainder

$7417 \div 53 = 139 \text{ remainder } 50$

53 |  $\overline{7417}$   
139  
7367

----

50 ← remainder

$$7417 \div 59 = 125 \text{ remainder } 42$$

$$\begin{array}{r} 125 \\ 59 \overline{) 7417} \\ \underline{7375} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 61 = 121 \text{ remainder } 36$$

$$\begin{array}{r} 121 \\ 61 \overline{) 7417} \\ \underline{7381} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 67 = 110 \text{ remainder } 47$$

$$\begin{array}{r} 110 \\ 67 \overline{) 7417} \\ \underline{7370} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 71 = 104 \text{ remainder } 33$$

$$\begin{array}{r} 104 \\ 71 \overline{) 7417} \\ \underline{7384} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 73 = 101 \text{ remainder } 44$$

$$\begin{array}{r} 101 \\ 73 \overline{) 7417} \\ \underline{7373} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$7417 \div 79 = 93 \text{ remainder } 70$$

$$\begin{array}{r} 93 \\ 79 \overline{) 7417} \end{array}$$

7347

----

70 ← remainder

$7417 \div 83 = 89 \text{ remainder } 30$

83 |  $\overline{7417}$   
      89  
       $\overline{7387}$

----

30 ← remainder

## **P<sub>942</sub> 7433**

$$7433 \div 2 = 3716 \text{ remainder } 1$$

$$\begin{array}{r} 3716 \\ 2 \overline{) 7433} \\ \underline{7432} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 3 = 2477 \text{ remainder } 2$$

$$\begin{array}{r} 2477 \\ 3 \overline{) 7433} \\ \underline{7431} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 5 = 1486 \text{ remainder } 3$$

$$\begin{array}{r} 1486 \\ 5 \overline{) 7433} \\ \underline{7430} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 7 = 1061 \text{ remainder } 6$$

$$\begin{array}{r} 1061 \\ 7 \overline{) 7433} \\ \underline{7427} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 11 = 675 \text{ remainder } 8$$

$$\begin{array}{r} 675 \\ 11 \overline{) 7433} \\ \underline{7425} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$7433 \div 13 = 571 \text{ remainder } 10$$

$$\begin{array}{r} 571 \\ 13 \overline{) 7433} \\ \underline{7423} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 17 = 437 \text{ remainder } 4$$

$$\begin{array}{r} 437 \\ 17 \overline{) 7433} \\ \underline{7429} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 19 = 391 \text{ remainder } 4$$

$$\begin{array}{r} 391 \\ 19 \overline{) 7433} \\ \underline{7429} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 23 = 323 \text{ remainder } 4$$

$$\begin{array}{r} 323 \\ 23 \overline{) 7433} \\ \underline{7429} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 29 = 256 \text{ remainder } 9$$

$$\begin{array}{r} 256 \\ 29 \overline{) 7433} \\ \underline{7424} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 31 = 239 \text{ remainder } 24$$

$$\begin{array}{r} 239 \\ 31 \overline{) 7433} \end{array}$$

$$\begin{array}{r} 7409 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7433 \div 37 = 200 \text{ remainder } 33$$

$$\begin{array}{r} 200 \\ 37 \mid \overline{7433} \\ \underline{7400} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7433 \div 41 = 181 \text{ remainder } 12$$

$$\begin{array}{r} 181 \\ 41 \mid \overline{7433} \\ \underline{7421} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7433 \div 43 = 172 \text{ remainder } 37$$

$$\begin{array}{r} 172 \\ 43 \mid \overline{7433} \\ \underline{7396} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$7433 \div 47 = 158 \text{ remainder } 7$$

$$\begin{array}{r} 158 \\ 47 \mid \overline{7433} \\ \underline{7426} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7433 \div 53 = 140 \text{ remainder } 13$$

$$\begin{array}{r} 140 \\ 53 \mid \overline{7433} \\ \underline{7420} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7433 \div 59 = 125 \text{ remainder } 58$$

$$\begin{array}{r} 125 \\ 59 \overline{) 7433} \\ \underline{7375} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 61 = 121 \text{ remainder } 52$$

$$\begin{array}{r} 121 \\ 61 \overline{) 7433} \\ \underline{7381} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 67 = 110 \text{ remainder } 63$$

$$\begin{array}{r} 110 \\ 67 \overline{) 7433} \\ \underline{7370} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 71 = 104 \text{ remainder } 49$$

$$\begin{array}{r} 104 \\ 71 \overline{) 7433} \\ \underline{7384} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 73 = 101 \text{ remainder } 60$$

$$\begin{array}{r} 101 \\ 73 \overline{) 7433} \\ \underline{7373} \\ 60 \end{array} \leftarrow \text{remainder}$$

$$7433 \div 79 = 94 \text{ remainder } 7$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7433} \end{array}$$

7426

----

7 ← remainder

$7433 \div 83 = 89 \text{ remainder } 46$

83 |  $\overline{7433}$   
      89  
       $\overline{7387}$

----

46 ← remainder

## **P<sub>943</sub> 7451**

$$7451 \div 2 = 3725 \text{ remainder } 1$$

$$\begin{array}{r} 3725 \\ 2 \overline{) 7451} \\ \underline{7450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 3 = 2483 \text{ remainder } 2$$

$$\begin{array}{r} 2483 \\ 3 \overline{) 7451} \\ \underline{7449} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 5 = 1490 \text{ remainder } 1$$

$$\begin{array}{r} 1490 \\ 5 \overline{) 7451} \\ \underline{7450} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 7 = 1064 \text{ remainder } 3$$

$$\begin{array}{r} 1064 \\ 7 \overline{) 7451} \\ \underline{7448} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 11 = 677 \text{ remainder } 4$$

$$\begin{array}{r} 677 \\ 11 \overline{) 7451} \\ \underline{7447} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 13 = 573 \text{ remainder } 2$$

$$\begin{array}{r} 573 \\ 13 \overline{) 7451} \\ \underline{7449} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 17 = 438 \text{ remainder } 5$$

$$\begin{array}{r} 438 \\ 17 \overline{) 7451} \\ \underline{7446} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 19 = 392 \text{ remainder } 3$$

$$\begin{array}{r} 392 \\ 19 \overline{) 7451} \\ \underline{7448} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 23 = 323 \text{ remainder } 22$$

$$\begin{array}{r} 323 \\ 23 \overline{) 7451} \\ \underline{7429} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 29 = 256 \text{ remainder } 27$$

$$\begin{array}{r} 256 \\ 29 \overline{) 7451} \\ \underline{7424} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 31 = 240 \text{ remainder } 11$$

$$\begin{array}{r} 240 \\ 31 \overline{) 7451} \end{array}$$

```

7440
----
11 ← remainder

```

$7451 \div 37 = 201 \text{ remainder } 14$

```

      201
37 | 7451
    7437
    ----
      14 ← remainder

```

$7451 \div 41 = 181 \text{ remainder } 30$

```

      181
41 | 7451
    7421
    ----
      30 ← remainder

```

$7451 \div 43 = 173 \text{ remainder } 12$

```

      173
43 | 7451
    7439
    ----
      12 ← remainder

```

$7451 \div 47 = 158 \text{ remainder } 25$

```

      158
47 | 7451
    7426
    ----
      25 ← remainder

```

$7451 \div 53 = 140 \text{ remainder } 31$

```

      140
53 | 7451
    7420
    ----
      31 ← remainder

```

$$7451 \div 59 = 126 \text{ remainder } 17$$

$$\begin{array}{r} 126 \\ 59 \overline{) 7451} \\ \underline{7434} \phantom{00} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 61 = 122 \text{ remainder } 9$$

$$\begin{array}{r} 122 \\ 61 \overline{) 7451} \\ \underline{7442} \phantom{00} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 67 = 111 \text{ remainder } 14$$

$$\begin{array}{r} 111 \\ 67 \overline{) 7451} \\ \underline{7437} \phantom{00} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 71 = 104 \text{ remainder } 67$$

$$\begin{array}{r} 104 \\ 71 \overline{) 7451} \\ \underline{7384} \phantom{00} \\ 67 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 73 = 102 \text{ remainder } 5$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7451} \\ \underline{7446} \phantom{00} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7451 \div 79 = 94 \text{ remainder } 25$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7451} \end{array}$$



7426

----

25 ← remainder

$7451 \div 83 = 89 \text{ remainder } 64$

83 |  $\overline{89 \over 7451}$   
7387

----

64 ← remainder

## **P<sub>944</sub> 7457**

$$7457 \div 2 = 3728 \text{ remainder } 1$$

$$\begin{array}{r} 3728 \\ 2 \overline{) 7457} \\ \underline{7456} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 3 = 2485 \text{ remainder } 2$$

$$\begin{array}{r} 2485 \\ 3 \overline{) 7457} \\ \underline{7455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 5 = 1491 \text{ remainder } 2$$

$$\begin{array}{r} 1491 \\ 5 \overline{) 7457} \\ \underline{7455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 7 = 1065 \text{ remainder } 2$$

$$\begin{array}{r} 1065 \\ 7 \overline{) 7457} \\ \underline{7455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 11 = 677 \text{ remainder } 10$$

$$\begin{array}{r} 677 \\ 11 \overline{) 7457} \\ \underline{7447} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 13 = 573 \text{ remainder } 8$$

$$\begin{array}{r} 573 \\ 13 \overline{) 7457} \\ \underline{7449} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 17 = 438 \text{ remainder } 11$$

$$\begin{array}{r} 438 \\ 17 \overline{) 7457} \\ \underline{7446} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 19 = 392 \text{ remainder } 9$$

$$\begin{array}{r} 392 \\ 19 \overline{) 7457} \\ \underline{7448} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 23 = 324 \text{ remainder } 5$$

$$\begin{array}{r} 324 \\ 23 \overline{) 7457} \\ \underline{7452} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 29 = 257 \text{ remainder } 4$$

$$\begin{array}{r} 257 \\ 29 \overline{) 7457} \\ \underline{7453} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 31 = 240 \text{ remainder } 17$$

$$\begin{array}{r} 240 \\ 31 \overline{) 7457} \end{array}$$

$$\begin{array}{r} 7440 \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7457 \div 37 = 201 \text{ remainder } 20$$

$$\begin{array}{r} 201 \\ 37 \overline{) 7457} \\ \underline{7437} \phantom{00} \\ - - - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7457 \div 41 = 181 \text{ remainder } 36$$

$$\begin{array}{r} 181 \\ 41 \overline{) 7457} \\ \underline{7421} \phantom{00} \\ - - - - \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7457 \div 43 = 173 \text{ remainder } 18$$

$$\begin{array}{r} 173 \\ 43 \overline{) 7457} \\ \underline{7439} \phantom{00} \\ - - - - \\ 18 \leftarrow \text{remainder} \end{array}$$

$$7457 \div 47 = 158 \text{ remainder } 31$$

$$\begin{array}{r} 158 \\ 47 \overline{) 7457} \\ \underline{7426} \phantom{00} \\ - - - - \\ 31 \leftarrow \text{remainder} \end{array}$$

$$7457 \div 53 = 140 \text{ remainder } 37$$

$$\begin{array}{r} 140 \\ 53 \overline{) 7457} \\ \underline{7420} \phantom{00} \\ - - - - \\ 37 \leftarrow \text{remainder} \end{array}$$

$$7457 \div 59 = 126 \text{ remainder } 23$$

$$\begin{array}{r} 126 \\ 59 \overline{) 7457} \\ \underline{7434} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 61 = 122 \text{ remainder } 15$$

$$\begin{array}{r} 122 \\ 61 \overline{) 7457} \\ \underline{7442} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 67 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 67 \overline{) 7457} \\ \underline{7437} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 71 = 105 \text{ remainder } 2$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7457} \\ \underline{7455} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 73 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7457} \\ \underline{7446} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7457 \div 79 = 94 \text{ remainder } 31$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7457} \end{array}$$

7426

----

31 ← remainder

$7457 \div 83 = 89$  remainder 70

83 |  $\overline{7457}$   
      89  
       $\overline{7387}$

----

70 ← remainder

## **P<sub>945</sub> 7459**

$$7459 \div 2 = 3729 \text{ remainder } 1$$

$$\begin{array}{r} 3729 \\ 2 \overline{) 7459} \\ \underline{7458} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 3 = 2486 \text{ remainder } 1$$

$$\begin{array}{r} 2486 \\ 3 \overline{) 7459} \\ \underline{7458} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 5 = 1491 \text{ remainder } 4$$

$$\begin{array}{r} 1491 \\ 5 \overline{) 7459} \\ \underline{7455} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 7 = 1065 \text{ remainder } 4$$

$$\begin{array}{r} 1065 \\ 7 \overline{) 7459} \\ \underline{7455} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 11 = 678 \text{ remainder } 1$$

$$\begin{array}{r} 678 \\ 11 \overline{) 7459} \\ \underline{7458} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 13 = 573 \text{ remainder } 10$$

$$\begin{array}{r} 573 \\ 13 \overline{) 7459} \\ \underline{7449} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 17 = 438 \text{ remainder } 13$$

$$\begin{array}{r} 438 \\ 17 \overline{) 7459} \\ \underline{7446} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 19 = 392 \text{ remainder } 11$$

$$\begin{array}{r} 392 \\ 19 \overline{) 7459} \\ \underline{7448} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 23 = 324 \text{ remainder } 7$$

$$\begin{array}{r} 324 \\ 23 \overline{) 7459} \\ \underline{7452} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 29 = 257 \text{ remainder } 6$$

$$\begin{array}{r} 257 \\ 29 \overline{) 7459} \\ \underline{7453} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 31 = 240 \text{ remainder } 19$$

$$\begin{array}{r} 240 \\ 31 \overline{) 7459} \end{array}$$



$$\begin{array}{r} 7440 \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7459 \div 37 = 201 \text{ remainder } 22$$

$$\begin{array}{r} 201 \\ 37 \mid \overline{7459} \\ \underline{7437} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7459 \div 41 = 181 \text{ remainder } 38$$

$$\begin{array}{r} 181 \\ 41 \mid \overline{7459} \\ \underline{7421} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7459 \div 43 = 173 \text{ remainder } 20$$

$$\begin{array}{r} 173 \\ 43 \mid \overline{7459} \\ \underline{7439} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7459 \div 47 = 158 \text{ remainder } 33$$

$$\begin{array}{r} 158 \\ 47 \mid \overline{7459} \\ \underline{7426} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7459 \div 53 = 140 \text{ remainder } 39$$

$$\begin{array}{r} 140 \\ 53 \mid \overline{7459} \\ \underline{7420} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7459 \div 59 = 126 \text{ remainder } 25$$

$$\begin{array}{r} 126 \\ 59 \overline{) 7459} \\ \underline{7434} \phantom{00} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 61 = 122 \text{ remainder } 17$$

$$\begin{array}{r} 122 \\ 61 \overline{) 7459} \\ \underline{7442} \phantom{00} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 67 = 111 \text{ remainder } 22$$

$$\begin{array}{r} 111 \\ 67 \overline{) 7459} \\ \underline{7437} \phantom{00} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 71 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7459} \\ \underline{7455} \phantom{00} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 73 = 102 \text{ remainder } 13$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7459} \\ \underline{7446} \phantom{00} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7459 \div 79 = 94 \text{ remainder } 33$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7459} \end{array}$$

7426

----

33 ← remainder

$7459 \div 83 = 89 \text{ remainder } 72$

83 |  $\overline{89 \phantom{00} 7459}$   
7387

----

72 ← remainder

## **P<sub>946</sub> 7477**

$$7477 \div 2 = 3738 \text{ remainder } 1$$

$$\begin{array}{r} 3738 \\ 2 \overline{) 7477} \\ \underline{7476} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 3 = 2492 \text{ remainder } 1$$

$$\begin{array}{r} 2492 \\ 3 \overline{) 7477} \\ \underline{7476} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 5 = 1495 \text{ remainder } 2$$

$$\begin{array}{r} 1495 \\ 5 \overline{) 7477} \\ \underline{7475} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 7 = 1068 \text{ remainder } 1$$

$$\begin{array}{r} 1068 \\ 7 \overline{) 7477} \\ \underline{7476} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 11 = 679 \text{ remainder } 8$$

$$\begin{array}{r} 679 \\ 11 \overline{) 7477} \\ \underline{7469} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 13 = 575 \text{ remainder } 2$$

$$\begin{array}{r} 575 \\ 13 \overline{) 7477} \\ \underline{7475} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 17 = 439 \text{ remainder } 14$$

$$\begin{array}{r} 439 \\ 17 \overline{) 7477} \\ \underline{7463} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 19 = 393 \text{ remainder } 10$$

$$\begin{array}{r} 393 \\ 19 \overline{) 7477} \\ \underline{7467} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 23 = 325 \text{ remainder } 2$$

$$\begin{array}{r} 325 \\ 23 \overline{) 7477} \\ \underline{7475} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 29 = 257 \text{ remainder } 24$$

$$\begin{array}{r} 257 \\ 29 \overline{) 7477} \\ \underline{7453} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 31 = 241 \text{ remainder } 6$$

$$\begin{array}{r} 241 \\ 31 \overline{) 7477} \end{array}$$

$$\begin{array}{r} 7471 \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7477 \div 37 = 202 \text{ remainder } 3$$

$$\begin{array}{r} 202 \\ 37 \overline{) 7477} \\ \underline{7474} \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7477 \div 41 = 182 \text{ remainder } 15$$

$$\begin{array}{r} 182 \\ 41 \overline{) 7477} \\ \underline{7462} \\ - - - - \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7477 \div 43 = 173 \text{ remainder } 38$$

$$\begin{array}{r} 173 \\ 43 \overline{) 7477} \\ \underline{7439} \\ - - - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7477 \div 47 = 159 \text{ remainder } 4$$

$$\begin{array}{r} 159 \\ 47 \overline{) 7477} \\ \underline{7473} \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7477 \div 53 = 141 \text{ remainder } 4$$

$$\begin{array}{r} 141 \\ 53 \overline{) 7477} \\ \underline{7473} \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7477 \div 59 = 126 \text{ remainder } 43$$

$$\begin{array}{r} 126 \\ 59 \overline{) 7477} \\ \underline{7434} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 61 = 122 \text{ remainder } 35$$

$$\begin{array}{r} 122 \\ 61 \overline{) 7477} \\ \underline{7442} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 67 = 111 \text{ remainder } 40$$

$$\begin{array}{r} 111 \\ 67 \overline{) 7477} \\ \underline{7437} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 71 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7477} \\ \underline{7455} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 73 = 102 \text{ remainder } 31$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7477} \\ \underline{7446} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7477 \div 79 = 94 \text{ remainder } 51$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7477} \end{array}$$

7426

----

51 ← remainder

$7477 \div 83 = 90 \text{ remainder } 7$

83 |  $\overline{90 \phantom{00} 7477}$   
7470

----

7 ← remainder



## **P<sub>947</sub> 7481**

$$7481 \div 2 = 3740 \text{ remainder } 1$$

$$\begin{array}{r} 3740 \\ 2 \overline{) 7481} \\ \underline{7480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 3 = 2493 \text{ remainder } 2$$

$$\begin{array}{r} 2493 \\ 3 \overline{) 7481} \\ \underline{7479} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 5 = 1496 \text{ remainder } 1$$

$$\begin{array}{r} 1496 \\ 5 \overline{) 7481} \\ \underline{7480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 7 = 1068 \text{ remainder } 5$$

$$\begin{array}{r} 1068 \\ 7 \overline{) 7481} \\ \underline{7476} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 11 = 680 \text{ remainder } 1$$

$$\begin{array}{r} 680 \\ 11 \overline{) 7481} \\ \underline{7480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 13 = 575 \text{ remainder } 6$$

$$\begin{array}{r} 575 \\ 13 \overline{) 7481} \\ \underline{7475} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 17 = 440 \text{ remainder } 1$$

$$\begin{array}{r} 440 \\ 17 \overline{) 7481} \\ \underline{7480} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 19 = 393 \text{ remainder } 14$$

$$\begin{array}{r} 393 \\ 19 \overline{) 7481} \\ \underline{7467} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 23 = 325 \text{ remainder } 6$$

$$\begin{array}{r} 325 \\ 23 \overline{) 7481} \\ \underline{7475} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 29 = 257 \text{ remainder } 28$$

$$\begin{array}{r} 257 \\ 29 \overline{) 7481} \\ \underline{7453} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7481 \div 31 = 241 \text{ remainder } 10$$

$$\begin{array}{r} 241 \\ 31 \overline{) 7481} \end{array}$$

```

7471
----
10 ← remainder

```

$$7481 \div 37 = 202 \text{ remainder } 7$$

```

      202
37 | 7481
    7474
    ----
      7 ← remainder

```

$$7481 \div 41 = 182 \text{ remainder } 19$$

```

      182
41 | 7481
    7462
    ----
     19 ← remainder

```

$$7481 \div 43 = 173 \text{ remainder } 42$$

```

      173
43 | 7481
    7439
    ----
     42 ← remainder

```

$$7481 \div 47 = 159 \text{ remainder } 8$$

```

      159
47 | 7481
    7473
    ----
      8 ← remainder

```

$$7481 \div 53 = 141 \text{ remainder } 8$$

```

      141
53 | 7481
    7473
    ----
      8 ← remainder

```

$$7481 \div 59 = 126 \text{ remainder } 47$$

$$\begin{array}{r} 126 \\ 59 \overline{) 7481} \\ \underline{7434} \phantom{00} \\ 47 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7481 \div 61 = 122 \text{ remainder } 39$$

$$\begin{array}{r} 122 \\ 61 \overline{) 7481} \\ \underline{7442} \phantom{00} \\ 39 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7481 \div 67 = 111 \text{ remainder } 44$$

$$\begin{array}{r} 111 \\ 67 \overline{) 7481} \\ \underline{7437} \phantom{00} \\ 44 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7481 \div 71 = 105 \text{ remainder } 26$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7481} \\ \underline{7455} \phantom{00} \\ 26 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7481 \div 73 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7481} \\ \underline{7446} \phantom{00} \\ 35 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7481 \div 79 = 94 \text{ remainder } 55$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7481} \end{array}$$

7426

----

55 ← remainder

$7481 \div 83 = 90 \text{ remainder } 11$

83 |  $\overset{90}{\overline{7481}}$   
7470

----

11 ← remainder

## **P<sub>948</sub> 7487**

$$7487 \div 2 = 3743 \text{ remainder } 1$$

$$\begin{array}{r} 3743 \\ 2 \overline{) 7487} \\ \underline{7486} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 3 = 2495 \text{ remainder } 2$$

$$\begin{array}{r} 2495 \\ 3 \overline{) 7487} \\ \underline{7485} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 5 = 1497 \text{ remainder } 2$$

$$\begin{array}{r} 1497 \\ 5 \overline{) 7487} \\ \underline{7485} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 7 = 1069 \text{ remainder } 4$$

$$\begin{array}{r} 1069 \\ 7 \overline{) 7487} \\ \underline{7483} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 11 = 680 \text{ remainder } 7$$

$$\begin{array}{r} 680 \\ 11 \overline{) 7487} \\ \underline{7480} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 13 = 575 \text{ remainder } 12$$

$$\begin{array}{r} 575 \\ 13 \overline{) 7487} \\ \underline{7475} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 17 = 440 \text{ remainder } 7$$

$$\begin{array}{r} 440 \\ 17 \overline{) 7487} \\ \underline{7480} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 19 = 394 \text{ remainder } 1$$

$$\begin{array}{r} 394 \\ 19 \overline{) 7487} \\ \underline{7486} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 23 = 325 \text{ remainder } 12$$

$$\begin{array}{r} 325 \\ 23 \overline{) 7487} \\ \underline{7475} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 29 = 258 \text{ remainder } 5$$

$$\begin{array}{r} 258 \\ 29 \overline{) 7487} \\ \underline{7482} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7487 \div 31 = 241 \text{ remainder } 16$$

$$\begin{array}{r} 241 \\ 31 \overline{) 7487} \end{array}$$

$$\begin{array}{r} 7471 \\ - - - - \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7487 \div 37 = 202 \text{ remainder } 13$$

$$\begin{array}{r} 202 \\ 37 \overline{) 7487} \\ \underline{7474} \phantom{00} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7487 \div 41 = 182 \text{ remainder } 25$$

$$\begin{array}{r} 182 \\ 41 \overline{) 7487} \\ \underline{7462} \phantom{00} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7487 \div 43 = 174 \text{ remainder } 5$$

$$\begin{array}{r} 174 \\ 43 \overline{) 7487} \\ \underline{7482} \phantom{00} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7487 \div 47 = 159 \text{ remainder } 14$$

$$\begin{array}{r} 159 \\ 47 \overline{) 7487} \\ \underline{7473} \phantom{00} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$7487 \div 53 = 141 \text{ remainder } 14$$

$$\begin{array}{r} 141 \\ 53 \overline{) 7487} \\ \underline{7473} \phantom{00} \\ 14 \leftarrow \text{remainder} \end{array}$$



$$7487 \div 59 = 126 \text{ remainder } 53$$

$$\begin{array}{r} 126 \\ 59 \overline{) 7487} \\ \underline{7434} \phantom{00} \\ 53 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7487 \div 61 = 122 \text{ remainder } 45$$

$$\begin{array}{r} 122 \\ 61 \overline{) 7487} \\ \underline{7442} \phantom{00} \\ 45 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7487 \div 67 = 111 \text{ remainder } 50$$

$$\begin{array}{r} 111 \\ 67 \overline{) 7487} \\ \underline{7437} \phantom{00} \\ 50 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7487 \div 71 = 105 \text{ remainder } 32$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7487} \\ \underline{7455} \phantom{00} \\ 32 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7487 \div 73 = 102 \text{ remainder } 41$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7487} \\ \underline{7446} \phantom{00} \\ 41 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7487 \div 79 = 94 \text{ remainder } 61$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7487} \end{array}$$

7426

----

61 ← remainder

$7487 \div 83 = 90 \text{ remainder } 17$

83 |  $\overline{90 \phantom{00} 7487}$   
7470

----

17 ← remainder

## **P<sub>949</sub> 7489**

$$7489 \div 2 = 3744 \text{ remainder } 1$$

$$\begin{array}{r} 3744 \\ 2 \overline{) 7489} \\ \underline{7488} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 3 = 2496 \text{ remainder } 1$$

$$\begin{array}{r} 2496 \\ 3 \overline{) 7489} \\ \underline{7488} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 5 = 1497 \text{ remainder } 4$$

$$\begin{array}{r} 1497 \\ 5 \overline{) 7489} \\ \underline{7485} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 7 = 1069 \text{ remainder } 6$$

$$\begin{array}{r} 1069 \\ 7 \overline{) 7489} \\ \underline{7483} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 11 = 680 \text{ remainder } 9$$

$$\begin{array}{r} 680 \\ 11 \overline{) 7489} \\ \underline{7480} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 13 = 576 \text{ remainder } 1$$

$$\begin{array}{r} 576 \\ 13 \overline{) 7489} \\ \underline{7488} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 17 = 440 \text{ remainder } 9$$

$$\begin{array}{r} 440 \\ 17 \overline{) 7489} \\ \underline{7480} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 19 = 394 \text{ remainder } 3$$

$$\begin{array}{r} 394 \\ 19 \overline{) 7489} \\ \underline{7486} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 23 = 325 \text{ remainder } 14$$

$$\begin{array}{r} 325 \\ 23 \overline{) 7489} \\ \underline{7475} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 29 = 258 \text{ remainder } 7$$

$$\begin{array}{r} 258 \\ 29 \overline{) 7489} \\ \underline{7482} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 31 = 241 \text{ remainder } 18$$

$$\begin{array}{r} 241 \\ 31 \overline{) 7489} \end{array}$$

$$\begin{array}{r} 7471 \\ - - - - \\ 18 \leftarrow \text{remainder} \end{array}$$

$$7489 \div 37 = 202 \text{ remainder } 15$$

$$\begin{array}{r} 202 \\ 37 \overline{) 7489} \\ \underline{7474} \phantom{00} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7489 \div 41 = 182 \text{ remainder } 27$$

$$\begin{array}{r} 182 \\ 41 \overline{) 7489} \\ \underline{7462} \phantom{00} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7489 \div 43 = 174 \text{ remainder } 7$$

$$\begin{array}{r} 174 \\ 43 \overline{) 7489} \\ \underline{7482} \phantom{00} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7489 \div 47 = 159 \text{ remainder } 16$$

$$\begin{array}{r} 159 \\ 47 \overline{) 7489} \\ \underline{7473} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7489 \div 53 = 141 \text{ remainder } 16$$

$$\begin{array}{r} 141 \\ 53 \overline{) 7489} \\ \underline{7473} \phantom{00} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7489 \div 59 = 126 \text{ remainder } 55$$

$$\begin{array}{r} 126 \\ 59 \overline{) 7489} \\ \underline{7434} \phantom{00} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 61 = 122 \text{ remainder } 47$$

$$\begin{array}{r} 122 \\ 61 \overline{) 7489} \\ \underline{7442} \phantom{00} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 67 = 111 \text{ remainder } 52$$

$$\begin{array}{r} 111 \\ 67 \overline{) 7489} \\ \underline{7437} \phantom{00} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 71 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7489} \\ \underline{7455} \phantom{00} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 73 = 102 \text{ remainder } 43$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7489} \\ \underline{7446} \phantom{00} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$7489 \div 79 = 94 \text{ remainder } 63$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7489} \end{array}$$

7426

----

63 ← remainder

$7489 \div 83 = 90 \text{ remainder } 19$

83 |  $\overline{90 \over 7489}$

7470

----

19 ← remainder

## **P<sub>950</sub> 7499**

$$7499 \div 2 = 3749 \text{ remainder } 1$$

$$\begin{array}{r} 3749 \\ 2 \overline{) 7499} \\ \underline{7498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 3 = 2499 \text{ remainder } 2$$

$$\begin{array}{r} 2499 \\ 3 \overline{) 7499} \\ \underline{7497} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 5 = 1499 \text{ remainder } 4$$

$$\begin{array}{r} 1499 \\ 5 \overline{) 7499} \\ \underline{7495} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 7 = 1071 \text{ remainder } 2$$

$$\begin{array}{r} 1071 \\ 7 \overline{) 7499} \\ \underline{7497} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 11 = 681 \text{ remainder } 8$$

$$\begin{array}{r} 681 \\ 11 \overline{) 7499} \\ \underline{7491} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$7499 \div 13 = 576 \text{ remainder } 11$$

$$\begin{array}{r} 576 \\ 13 \overline{) 7499} \\ \underline{7488} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 17 = 441 \text{ remainder } 2$$

$$\begin{array}{r} 441 \\ 17 \overline{) 7499} \\ \underline{7497} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 19 = 394 \text{ remainder } 13$$

$$\begin{array}{r} 394 \\ 19 \overline{) 7499} \\ \underline{7486} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 23 = 326 \text{ remainder } 1$$

$$\begin{array}{r} 326 \\ 23 \overline{) 7499} \\ \underline{7498} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 29 = 258 \text{ remainder } 17$$

$$\begin{array}{r} 258 \\ 29 \overline{) 7499} \\ \underline{7482} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 31 = 241 \text{ remainder } 28$$

$$\begin{array}{r} 241 \\ 31 \overline{) 7499} \end{array}$$

$$\begin{array}{r} 7471 \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7499 \div 37 = 202 \text{ remainder } 25$$

$$\begin{array}{r} 202 \\ 37 \overline{) 7499} \\ \underline{7474} \phantom{00} \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7499 \div 41 = 182 \text{ remainder } 37$$

$$\begin{array}{r} 182 \\ 41 \overline{) 7499} \\ \underline{7462} \phantom{00} \\ - - - - \\ 37 \leftarrow \text{remainder} \end{array}$$

$$7499 \div 43 = 174 \text{ remainder } 17$$

$$\begin{array}{r} 174 \\ 43 \overline{) 7499} \\ \underline{7482} \phantom{00} \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7499 \div 47 = 159 \text{ remainder } 26$$

$$\begin{array}{r} 159 \\ 47 \overline{) 7499} \\ \underline{7473} \phantom{00} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7499 \div 53 = 141 \text{ remainder } 26$$

$$\begin{array}{r} 141 \\ 53 \overline{) 7499} \\ \underline{7473} \phantom{00} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7499 \div 59 = 127 \text{ remainder } 6$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7499} \\ \underline{7493} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 61 = 122 \text{ remainder } 57$$

$$\begin{array}{r} 122 \\ 61 \overline{) 7499} \\ \underline{7442} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 67 = 111 \text{ remainder } 62$$

$$\begin{array}{r} 111 \\ 67 \overline{) 7499} \\ \underline{7437} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 71 = 105 \text{ remainder } 44$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7499} \\ \underline{7455} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 73 = 102 \text{ remainder } 53$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7499} \\ \underline{7446} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$7499 \div 79 = 94 \text{ remainder } 73$$

$$\begin{array}{r} 94 \\ 79 \overline{) 7499} \end{array}$$

7426

----

73 ← remainder

$$7499 \div 83 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 83 \overline{) 7499} \\ \underline{7470} \end{array}$$

----

29 ← remainder

## **P<sub>951</sub> 7507**

$$7507 \div 2 = 3753 \text{ remainder } 1$$

$$\begin{array}{r} 3753 \\ 2 \overline{) 7507} \\ \underline{7506} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 3 = 2502 \text{ remainder } 1$$

$$\begin{array}{r} 2502 \\ 3 \overline{) 7507} \\ \underline{7506} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 5 = 1501 \text{ remainder } 2$$

$$\begin{array}{r} 1501 \\ 5 \overline{) 7507} \\ \underline{7505} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 7 = 1072 \text{ remainder } 3$$

$$\begin{array}{r} 1072 \\ 7 \overline{) 7507} \\ \underline{7504} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 11 = 682 \text{ remainder } 5$$

$$\begin{array}{r} 682 \\ 11 \overline{) 7507} \\ \underline{7502} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 13 = 577 \text{ remainder } 6$$

$$\begin{array}{r} 577 \\ 13 \overline{) 7507} \\ \underline{7501} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 17 = 441 \text{ remainder } 10$$

$$\begin{array}{r} 441 \\ 17 \overline{) 7507} \\ \underline{7497} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 19 = 395 \text{ remainder } 2$$

$$\begin{array}{r} 395 \\ 19 \overline{) 7507} \\ \underline{7505} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 23 = 326 \text{ remainder } 9$$

$$\begin{array}{r} 326 \\ 23 \overline{) 7507} \\ \underline{7498} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 29 = 258 \text{ remainder } 25$$

$$\begin{array}{r} 258 \\ 29 \overline{) 7507} \\ \underline{7482} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 31 = 242 \text{ remainder } 5$$

$$\begin{array}{r} 242 \\ 31 \overline{) 7507} \end{array}$$

$$\begin{array}{r} 7502 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7507 \div 37 = 202 \text{ remainder } 33$$

$$\begin{array}{r} 202 \\ 37 \overline{) 7507} \\ \underline{7474} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7507 \div 41 = 183 \text{ remainder } 4$$

$$\begin{array}{r} 183 \\ 41 \overline{) 7507} \\ \underline{7503} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7507 \div 43 = 174 \text{ remainder } 25$$

$$\begin{array}{r} 174 \\ 43 \overline{) 7507} \\ \underline{7482} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7507 \div 47 = 159 \text{ remainder } 34$$

$$\begin{array}{r} 159 \\ 47 \overline{) 7507} \\ \underline{7473} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7507 \div 53 = 141 \text{ remainder } 34$$

$$\begin{array}{r} 141 \\ 53 \overline{) 7507} \\ \underline{7473} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7507 \div 59 = 127 \text{ remainder } 14$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7507} \\ \underline{7493} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 61 = 123 \text{ remainder } 4$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7507} \\ \underline{7503} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 67 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7507} \\ \underline{7504} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 71 = 105 \text{ remainder } 52$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7507} \\ \underline{7455} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 73 = 102 \text{ remainder } 61$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7507} \\ \underline{7446} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$7507 \div 79 = 95 \text{ remainder } 2$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7507} \end{array}$$



7505

----

2 ← remainder

$7507 \div 83 = 90 \text{ remainder } 37$

83 |  $\overline{90 \phantom{00} 7507}$   
7470

----

37 ← remainder

## **P<sub>952</sub> 7517**

$$7517 \div 2 = 3758 \text{ remainder } 1$$

$$\begin{array}{r} 3758 \\ 2 \overline{) 7517} \\ \underline{7516} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 3 = 2505 \text{ remainder } 2$$

$$\begin{array}{r} 2505 \\ 3 \overline{) 7517} \\ \underline{7515} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 5 = 1503 \text{ remainder } 2$$

$$\begin{array}{r} 1503 \\ 5 \overline{) 7517} \\ \underline{7515} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 7 = 1073 \text{ remainder } 6$$

$$\begin{array}{r} 1073 \\ 7 \overline{) 7517} \\ \underline{7511} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 11 = 683 \text{ remainder } 4$$

$$\begin{array}{r} 683 \\ 11 \overline{) 7517} \\ \underline{7513} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 13 = 578 \text{ remainder } 3$$

$$\begin{array}{r} 578 \\ 13 \overline{) 7517} \\ \underline{7514} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 17 = 442 \text{ remainder } 3$$

$$\begin{array}{r} 442 \\ 17 \overline{) 7517} \\ \underline{7514} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 19 = 395 \text{ remainder } 12$$

$$\begin{array}{r} 395 \\ 19 \overline{) 7517} \\ \underline{7505} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 23 = 326 \text{ remainder } 19$$

$$\begin{array}{r} 326 \\ 23 \overline{) 7517} \\ \underline{7498} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 29 = 259 \text{ remainder } 6$$

$$\begin{array}{r} 259 \\ 29 \overline{) 7517} \\ \underline{7511} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 31 = 242 \text{ remainder } 15$$

$$\begin{array}{r} 242 \\ 31 \overline{) 7517} \end{array}$$

$$\begin{array}{r} 7502 \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7517 \div 37 = 203 \text{ remainder } 6$$

$$\begin{array}{r} 203 \\ 37 \mid \overline{7517} \\ \underline{7511} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7517 \div 41 = 183 \text{ remainder } 14$$

$$\begin{array}{r} 183 \\ 41 \mid \overline{7517} \\ \underline{7503} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$7517 \div 43 = 174 \text{ remainder } 35$$

$$\begin{array}{r} 174 \\ 43 \mid \overline{7517} \\ \underline{7482} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7517 \div 47 = 159 \text{ remainder } 44$$

$$\begin{array}{r} 159 \\ 47 \mid \overline{7517} \\ \underline{7473} \\ \text{----} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$7517 \div 53 = 141 \text{ remainder } 44$$

$$\begin{array}{r} 141 \\ 53 \mid \overline{7517} \\ \underline{7473} \\ \text{----} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$7517 \div 59 = 127 \text{ remainder } 24$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7517} \\ \underline{7493} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 61 = 123 \text{ remainder } 14$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7517} \\ \underline{7503} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 67 = 112 \text{ remainder } 13$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7517} \\ \underline{7504} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 71 = 105 \text{ remainder } 62$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7517} \\ \underline{7455} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 73 = 102 \text{ remainder } 71$$

$$\begin{array}{r} 102 \\ 73 \overline{) 7517} \\ \underline{7446} \\ 71 \end{array} \leftarrow \text{remainder}$$

$$7517 \div 79 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7517} \end{array}$$

7505

----

12 ← remainder

$7517 \div 83 = 90 \text{ remainder } 47$

83 |  $\overline{90 \over 7517}$   
7470

----

47 ← remainder

## **P<sub>953</sub> 7523**

$$7523 \div 2 = 3761 \text{ remainder } 1$$

$$\begin{array}{r} 3761 \\ 2 \overline{) 7523} \\ \underline{7522} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 3 = 2507 \text{ remainder } 2$$

$$\begin{array}{r} 2507 \\ 3 \overline{) 7523} \\ \underline{7521} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 5 = 1504 \text{ remainder } 3$$

$$\begin{array}{r} 1504 \\ 5 \overline{) 7523} \\ \underline{7520} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 7 = 1074 \text{ remainder } 5$$

$$\begin{array}{r} 1074 \\ 7 \overline{) 7523} \\ \underline{7518} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 11 = 683 \text{ remainder } 10$$

$$\begin{array}{r} 683 \\ 11 \overline{) 7523} \\ \underline{7513} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 13 = 578 \text{ remainder } 9$$

$$\begin{array}{r} 578 \\ 13 \overline{) 7523} \\ \underline{7514} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 17 = 442 \text{ remainder } 9$$

$$\begin{array}{r} 442 \\ 17 \overline{) 7523} \\ \underline{7514} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 19 = 395 \text{ remainder } 18$$

$$\begin{array}{r} 395 \\ 19 \overline{) 7523} \\ \underline{7505} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 23 = 327 \text{ remainder } 2$$

$$\begin{array}{r} 327 \\ 23 \overline{) 7523} \\ \underline{7521} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 29 = 259 \text{ remainder } 12$$

$$\begin{array}{r} 259 \\ 29 \overline{) 7523} \\ \underline{7511} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 31 = 242 \text{ remainder } 21$$

$$\begin{array}{r} 242 \\ 31 \overline{) 7523} \end{array}$$



$$\begin{array}{r} 7502 \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7523 \div 37 = 203 \text{ remainder } 12$$

$$\begin{array}{r} 203 \\ 37 \mid \overline{7523} \\ \underline{7511} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7523 \div 41 = 183 \text{ remainder } 20$$

$$\begin{array}{r} 183 \\ 41 \mid \overline{7523} \\ \underline{7503} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7523 \div 43 = 174 \text{ remainder } 41$$

$$\begin{array}{r} 174 \\ 43 \mid \overline{7523} \\ \underline{7482} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$7523 \div 47 = 160 \text{ remainder } 3$$

$$\begin{array}{r} 160 \\ 47 \mid \overline{7523} \\ \underline{7520} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7523 \div 53 = 141 \text{ remainder } 50$$

$$\begin{array}{r} 141 \\ 53 \mid \overline{7523} \\ \underline{7473} \\ \text{----} \\ 50 \leftarrow \text{remainder} \end{array}$$

$$7523 \div 59 = 127 \text{ remainder } 30$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7523} \\ \underline{7493} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 61 = 123 \text{ remainder } 20$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7523} \\ \underline{7503} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 67 = 112 \text{ remainder } 19$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7523} \\ \underline{7504} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 71 = 105 \text{ remainder } 68$$

$$\begin{array}{r} 105 \\ 71 \overline{) 7523} \\ \underline{7455} \\ 68 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 73 = 103 \text{ remainder } 4$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7523} \\ \underline{7519} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7523 \div 79 = 95 \text{ remainder } 18$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7523} \end{array}$$

7505

----

18 ← remainder

$7523 \div 83 = 90 \text{ remainder } 53$

83 |  $\overline{90 \phantom{00} 7523}$   
7470

----

53 ← remainder

## **P<sub>954</sub> 7529**

$$7529 \div 2 = 3764 \text{ remainder } 1$$

$$\begin{array}{r} 3764 \text{ ---} \\ 2 \mid \overline{7529} \\ \underline{7528} \\ \text{----} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 3 = 2509 \text{ remainder } 2$$

$$\begin{array}{r} 2509 \text{ ---} \\ 3 \mid \overline{7529} \\ \underline{7527} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 5 = 1505 \text{ remainder } 4$$

$$\begin{array}{r} 1505 \text{ ---} \\ 5 \mid \overline{7529} \\ \underline{7525} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 7 = 1075 \text{ remainder } 4$$

$$\begin{array}{r} 1075 \text{ ---} \\ 7 \mid \overline{7529} \\ \underline{7525} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 11 = 684 \text{ remainder } 5$$

$$\begin{array}{r} 684 \text{ ---} \\ 11 \mid \overline{7529} \\ \underline{7524} \\ \text{----} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 13 = 579 \text{ remainder } 2$$

$$\begin{array}{r} 579 \\ 13 \overline{) 7529} \\ \underline{7527} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 17 = 442 \text{ remainder } 15$$

$$\begin{array}{r} 442 \\ 17 \overline{) 7529} \\ \underline{7514} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 19 = 396 \text{ remainder } 5$$

$$\begin{array}{r} 396 \\ 19 \overline{) 7529} \\ \underline{7524} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 23 = 327 \text{ remainder } 8$$

$$\begin{array}{r} 327 \\ 23 \overline{) 7529} \\ \underline{7521} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 29 = 259 \text{ remainder } 18$$

$$\begin{array}{r} 259 \\ 29 \overline{) 7529} \\ \underline{7511} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 31 = 242 \text{ remainder } 27$$

$$\begin{array}{r} 242 \\ 31 \overline{) 7529} \end{array}$$

$$\begin{array}{r} 7502 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 37 = 203 \text{ remainder } 18$$

$$\begin{array}{r} 203 \\ 37 \overline{) 7529} \\ \underline{7511} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 41 = 183 \text{ remainder } 26$$

$$\begin{array}{r} 183 \\ 41 \overline{) 7529} \\ \underline{7503} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 43 = 175 \text{ remainder } 4$$

$$\begin{array}{r} 175 \\ 43 \overline{) 7529} \\ \underline{7525} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 47 = 160 \text{ remainder } 9$$

$$\begin{array}{r} 160 \\ 47 \overline{) 7529} \\ \underline{7520} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 53 = 142 \text{ remainder } 3$$

$$\begin{array}{r} 142 \\ 53 \overline{) 7529} \\ \underline{7526} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 59 = 127 \text{ remainder } 36$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7529} \\ \underline{7493} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 61 = 123 \text{ remainder } 26$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7529} \\ \underline{7503} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 67 = 112 \text{ remainder } 25$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7529} \\ \underline{7504} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 71 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7529} \\ \underline{7526} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 73 = 103 \text{ remainder } 10$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7529} \\ \underline{7519} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7529 \div 79 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7529} \end{array}$$

7505

----

24 ← remainder

$$7529 \div 83 = 90 \text{ remainder } 59$$

$$\begin{array}{r} 90 \\ 83 \overline{) 7529} \\ \underline{7470} \end{array}$$

----

59 ← remainder



## **P<sub>955</sub> 7537**

$$7537 \div 2 = 3768 \text{ remainder } 1$$

$$\begin{array}{r} 3768 \\ 2 \overline{) 7537} \\ \underline{7536} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 3 = 2512 \text{ remainder } 1$$

$$\begin{array}{r} 2512 \\ 3 \overline{) 7537} \\ \underline{7536} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 5 = 1507 \text{ remainder } 2$$

$$\begin{array}{r} 1507 \\ 5 \overline{) 7537} \\ \underline{7535} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 7 = 1076 \text{ remainder } 5$$

$$\begin{array}{r} 1076 \\ 7 \overline{) 7537} \\ \underline{7532} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 11 = 685 \text{ remainder } 2$$

$$\begin{array}{r} 685 \\ 11 \overline{) 7537} \\ \underline{7535} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 13 = 579 \text{ remainder } 10$$

$$\begin{array}{r} 579 \\ 13 \overline{) 7537} \\ \underline{7527} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 17 = 443 \text{ remainder } 6$$

$$\begin{array}{r} 443 \\ 17 \overline{) 7537} \\ \underline{7531} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 19 = 396 \text{ remainder } 13$$

$$\begin{array}{r} 396 \\ 19 \overline{) 7537} \\ \underline{7524} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 23 = 327 \text{ remainder } 16$$

$$\begin{array}{r} 327 \\ 23 \overline{) 7537} \\ \underline{7521} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 29 = 259 \text{ remainder } 26$$

$$\begin{array}{r} 259 \\ 29 \overline{) 7537} \\ \underline{7511} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 31 = 243 \text{ remainder } 4$$

$$\begin{array}{r} 243 \\ 31 \overline{) 7537} \end{array}$$

$$\begin{array}{r} 7533 \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7537 \div 37 = 203 \text{ remainder } 26$$

$$\begin{array}{r} 203 \\ 37 \overline{) 7537} \\ \underline{7511} \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7537 \div 41 = 183 \text{ remainder } 34$$

$$\begin{array}{r} 183 \\ 41 \overline{) 7537} \\ \underline{7503} \\ - - - - \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7537 \div 43 = 175 \text{ remainder } 12$$

$$\begin{array}{r} 175 \\ 43 \overline{) 7537} \\ \underline{7525} \\ - - - - \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7537 \div 47 = 160 \text{ remainder } 17$$

$$\begin{array}{r} 160 \\ 47 \overline{) 7537} \\ \underline{7520} \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7537 \div 53 = 142 \text{ remainder } 11$$

$$\begin{array}{r} 142 \\ 53 \overline{) 7537} \\ \underline{7526} \\ - - - - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$7537 \div 59 = 127 \text{ remainder } 44$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7537} \\ \underline{7493} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 61 = 123 \text{ remainder } 34$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7537} \\ \underline{7503} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 67 = 112 \text{ remainder } 33$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7537} \\ \underline{7504} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 71 = 106 \text{ remainder } 11$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7537} \\ \underline{7526} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 73 = 103 \text{ remainder } 18$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7537} \\ \underline{7519} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7537 \div 79 = 95 \text{ remainder } 32$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7537} \end{array}$$

7505

----

32 ← remainder

$7537 \div 83 = 90 \text{ remainder } 67$

83 |  $\overline{90 \phantom{00} 7537}$   
7470

----

67 ← remainder

## **P<sub>956</sub> 7541**

$$7541 \div 2 = 3770 \text{ remainder } 1$$

$$\begin{array}{r} 3770 \\ 2 \overline{) 7541} \\ \underline{7540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 3 = 2513 \text{ remainder } 2$$

$$\begin{array}{r} 2513 \\ 3 \overline{) 7541} \\ \underline{7539} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 5 = 1508 \text{ remainder } 1$$

$$\begin{array}{r} 1508 \\ 5 \overline{) 7541} \\ \underline{7540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 7 = 1077 \text{ remainder } 2$$

$$\begin{array}{r} 1077 \\ 7 \overline{) 7541} \\ \underline{7539} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 11 = 685 \text{ remainder } 6$$

$$\begin{array}{r} 685 \\ 11 \overline{) 7541} \\ \underline{7535} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 13 = 580 \text{ remainder } 1$$

$$\begin{array}{r} 580 \\ 13 \overline{) 7541} \\ \underline{7540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 17 = 443 \text{ remainder } 10$$

$$\begin{array}{r} 443 \\ 17 \overline{) 7541} \\ \underline{7531} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 19 = 396 \text{ remainder } 17$$

$$\begin{array}{r} 396 \\ 19 \overline{) 7541} \\ \underline{7524} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 23 = 327 \text{ remainder } 20$$

$$\begin{array}{r} 327 \\ 23 \overline{) 7541} \\ \underline{7521} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 29 = 260 \text{ remainder } 1$$

$$\begin{array}{r} 260 \\ 29 \overline{) 7541} \\ \underline{7540} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 31 = 243 \text{ remainder } 8$$

$$\begin{array}{r} 243 \\ 31 \overline{) 7541} \end{array}$$

$$\begin{array}{r} 7533 \\ ---- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7541 \div 37 = 203 \text{ remainder } 30$$

$$\begin{array}{r} 203 \\ 37 \overline{) 7541} \\ \underline{7511} \phantom{00} \\ 30 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7541 \div 41 = 183 \text{ remainder } 38$$

$$\begin{array}{r} 183 \\ 41 \overline{) 7541} \\ \underline{7503} \phantom{00} \\ 38 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7541 \div 43 = 175 \text{ remainder } 16$$

$$\begin{array}{r} 175 \\ 43 \overline{) 7541} \\ \underline{7525} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7541 \div 47 = 160 \text{ remainder } 21$$

$$\begin{array}{r} 160 \\ 47 \overline{) 7541} \\ \underline{7520} \phantom{00} \\ 21 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7541 \div 53 = 142 \text{ remainder } 15$$

$$\begin{array}{r} 142 \\ 53 \overline{) 7541} \\ \underline{7526} \phantom{00} \\ 15 \phantom{00} \leftarrow \text{remainder} \end{array}$$



$$7541 \div 59 = 127 \text{ remainder } 48$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7541} \\ \underline{7493} \phantom{00} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 61 = 123 \text{ remainder } 38$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7541} \\ \underline{7503} \phantom{00} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 67 = 112 \text{ remainder } 37$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7541} \\ \underline{7504} \phantom{00} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 71 = 106 \text{ remainder } 15$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7541} \\ \underline{7526} \phantom{00} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 73 = 103 \text{ remainder } 22$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7541} \\ \underline{7519} \phantom{00} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7541 \div 79 = 95 \text{ remainder } 36$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7541} \end{array}$$

7505

----

36 ← remainder

$7541 \div 83 = 90 \text{ remainder } 71$

83 |  $\overset{90}{\overline{7541}}$   
7470

----

71 ← remainder

## **P<sub>957</sub> 7547**

$$7547 \div 2 = 3773 \text{ remainder } 1$$

$$\begin{array}{r} 3773 \\ 2 \overline{) 7547} \\ \underline{7546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 3 = 2515 \text{ remainder } 2$$

$$\begin{array}{r} 2515 \\ 3 \overline{) 7547} \\ \underline{7545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 5 = 1509 \text{ remainder } 2$$

$$\begin{array}{r} 1509 \\ 5 \overline{) 7547} \\ \underline{7545} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 7 = 1078 \text{ remainder } 1$$

$$\begin{array}{r} 1078 \\ 7 \overline{) 7547} \\ \underline{7546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 11 = 686 \text{ remainder } 1$$

$$\begin{array}{r} 686 \\ 11 \overline{) 7547} \\ \underline{7546} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 13 = 580 \text{ remainder } 7$$

$$\begin{array}{r} 580 \\ 13 \overline{) 7547} \\ \underline{7540} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 17 = 443 \text{ remainder } 16$$

$$\begin{array}{r} 443 \\ 17 \overline{) 7547} \\ \underline{7531} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 19 = 397 \text{ remainder } 4$$

$$\begin{array}{r} 397 \\ 19 \overline{) 7547} \\ \underline{7543} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 23 = 328 \text{ remainder } 3$$

$$\begin{array}{r} 328 \\ 23 \overline{) 7547} \\ \underline{7544} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 29 = 260 \text{ remainder } 7$$

$$\begin{array}{r} 260 \\ 29 \overline{) 7547} \\ \underline{7540} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 31 = 243 \text{ remainder } 14$$

$$\begin{array}{r} 243 \\ 31 \overline{) 7547} \end{array}$$

$$\begin{array}{r} 7533 \\ - - - - \\ 14 \leftarrow \text{remainder} \end{array}$$

$$7547 \div 37 = 203 \text{ remainder } 36$$

$$\begin{array}{r} 203 \\ 37 \overline{) 7547} \\ \underline{7511} \phantom{00} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7547 \div 41 = 184 \text{ remainder } 3$$

$$\begin{array}{r} 184 \\ 41 \overline{) 7547} \\ \underline{7544} \phantom{00} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7547 \div 43 = 175 \text{ remainder } 22$$

$$\begin{array}{r} 175 \\ 43 \overline{) 7547} \\ \underline{7525} \phantom{00} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7547 \div 47 = 160 \text{ remainder } 27$$

$$\begin{array}{r} 160 \\ 47 \overline{) 7547} \\ \underline{7520} \phantom{00} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7547 \div 53 = 142 \text{ remainder } 21$$

$$\begin{array}{r} 142 \\ 53 \overline{) 7547} \\ \underline{7526} \phantom{00} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7547 \div 59 = 127 \text{ remainder } 54$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7547} \\ \underline{7493} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 61 = 123 \text{ remainder } 44$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7547} \\ \underline{7503} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 67 = 112 \text{ remainder } 43$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7547} \\ \underline{7504} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 71 = 106 \text{ remainder } 21$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7547} \\ \underline{7526} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 73 = 103 \text{ remainder } 28$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7547} \\ \underline{7519} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7547 \div 79 = 95 \text{ remainder } 42$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7547} \end{array}$$

7505

----

42 ← remainder

$7547 \div 83 = 90 \text{ remainder } 77$

83 |  $\overline{90 \phantom{00} 7547}$   
7470

----

77 ← remainder

## **P<sub>958</sub> 7549**

$$7549 \div 2 = 3774 \text{ remainder } 1$$

$$\begin{array}{r} 3774 \\ 2 \overline{) 7549} \\ \underline{7548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 3 = 2516 \text{ remainder } 1$$

$$\begin{array}{r} 2516 \\ 3 \overline{) 7549} \\ \underline{7548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 5 = 1509 \text{ remainder } 4$$

$$\begin{array}{r} 1509 \\ 5 \overline{) 7549} \\ \underline{7545} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 7 = 1078 \text{ remainder } 3$$

$$\begin{array}{r} 1078 \\ 7 \overline{) 7549} \\ \underline{7546} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 11 = 686 \text{ remainder } 3$$

$$\begin{array}{r} 686 \\ 11 \overline{) 7549} \\ \underline{7546} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$7549 \div 13 = 580 \text{ remainder } 9$$

$$\begin{array}{r} 580 \\ 13 \overline{) 7549} \\ \underline{7540} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 17 = 444 \text{ remainder } 1$$

$$\begin{array}{r} 444 \\ 17 \overline{) 7549} \\ \underline{7548} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 19 = 397 \text{ remainder } 6$$

$$\begin{array}{r} 397 \\ 19 \overline{) 7549} \\ \underline{7543} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 23 = 328 \text{ remainder } 5$$

$$\begin{array}{r} 328 \\ 23 \overline{) 7549} \\ \underline{7544} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 29 = 260 \text{ remainder } 9$$

$$\begin{array}{r} 260 \\ 29 \overline{) 7549} \\ \underline{7540} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 31 = 243 \text{ remainder } 16$$

$$\begin{array}{r} 243 \\ 31 \overline{) 7549} \end{array}$$

```

7533
----
16  ← remainder

```

$$7549 \div 37 = 204 \text{ remainder } 1$$

```

      204
37 | 7549
    7548
    ----
      1  ← remainder

```

$$7549 \div 41 = 184 \text{ remainder } 5$$

```

      184
41 | 7549
    7544
    ----
      5  ← remainder

```

$$7549 \div 43 = 175 \text{ remainder } 24$$

```

      175
43 | 7549
    7525
    ----
     24  ← remainder

```

$$7549 \div 47 = 160 \text{ remainder } 29$$

```

      160
47 | 7549
    7520
    ----
     29  ← remainder

```

$$7549 \div 53 = 142 \text{ remainder } 23$$

```

      142
53 | 7549
    7526
    ----
     23  ← remainder

```

$$7549 \div 59 = 127 \text{ remainder } 56$$

$$\begin{array}{r} 127 \\ 59 \overline{) 7549} \\ \underline{7493} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 61 = 123 \text{ remainder } 46$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7549} \\ \underline{7503} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 67 = 112 \text{ remainder } 45$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7549} \\ \underline{7504} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 71 = 106 \text{ remainder } 23$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7549} \\ \underline{7526} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 73 = 103 \text{ remainder } 30$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7549} \\ \underline{7519} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$7549 \div 79 = 95 \text{ remainder } 44$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7549} \end{array}$$

7505

----

44 ← remainder

$7549 \div 83 = 90 \text{ remainder } 79$

83 |  $\begin{array}{r} 90 \\ \overline{7549} \\ 7470 \end{array}$

----

79 ← remainder

## **P<sub>959</sub> 7559**

$$7559 \div 2 = 3779 \text{ remainder } 1$$

$$\begin{array}{r} 3779 \\ 2 \overline{) 7559} \\ \underline{7558} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 3 = 2519 \text{ remainder } 2$$

$$\begin{array}{r} 2519 \\ 3 \overline{) 7559} \\ \underline{7557} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 5 = 1511 \text{ remainder } 4$$

$$\begin{array}{r} 1511 \\ 5 \overline{) 7559} \\ \underline{7555} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 7 = 1079 \text{ remainder } 6$$

$$\begin{array}{r} 1079 \\ 7 \overline{) 7559} \\ \underline{7553} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 11 = 687 \text{ remainder } 2$$

$$\begin{array}{r} 687 \\ 11 \overline{) 7559} \\ \underline{7557} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 13 = 581 \text{ remainder } 6$$

$$\begin{array}{r} 581 \\ 13 \overline{) 7559} \\ \underline{7553} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 17 = 444 \text{ remainder } 11$$

$$\begin{array}{r} 444 \\ 17 \overline{) 7559} \\ \underline{7548} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 19 = 397 \text{ remainder } 16$$

$$\begin{array}{r} 397 \\ 19 \overline{) 7559} \\ \underline{7543} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 23 = 328 \text{ remainder } 15$$

$$\begin{array}{r} 328 \\ 23 \overline{) 7559} \\ \underline{7544} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 29 = 260 \text{ remainder } 19$$

$$\begin{array}{r} 260 \\ 29 \overline{) 7559} \\ \underline{7540} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 31 = 243 \text{ remainder } 26$$

$$\begin{array}{r} 243 \\ 31 \overline{) 7559} \end{array}$$

$$\begin{array}{r} 7533 \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7559 \div 37 = 204 \text{ remainder } 11$$

$$\begin{array}{r} 204 \\ 37 \overline{) 7559} \\ \underline{7548} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$7559 \div 41 = 184 \text{ remainder } 15$$

$$\begin{array}{r} 184 \\ 41 \overline{) 7559} \\ \underline{7544} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7559 \div 43 = 175 \text{ remainder } 34$$

$$\begin{array}{r} 175 \\ 43 \overline{) 7559} \\ \underline{7525} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7559 \div 47 = 160 \text{ remainder } 39$$

$$\begin{array}{r} 160 \\ 47 \overline{) 7559} \\ \underline{7520} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7559 \div 53 = 142 \text{ remainder } 33$$

$$\begin{array}{r} 142 \\ 53 \overline{) 7559} \\ \underline{7526} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7559 \div 59 = 128 \text{ remainder } 7$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7559} \\ \underline{7552} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 61 = 123 \text{ remainder } 56$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7559} \\ \underline{7503} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 67 = 112 \text{ remainder } 55$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7559} \\ \underline{7504} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 71 = 106 \text{ remainder } 33$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7559} \\ \underline{7526} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 73 = 103 \text{ remainder } 40$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7559} \\ \underline{7519} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$7559 \div 79 = 95 \text{ remainder } 54$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7559} \end{array}$$



7505

----

54 ← remainder

$7559 \div 83 = 91 \text{ remainder } 6$

83 |  $\overline{91 \over 7559}$   
7553

----

6 ← remainder

## **P<sub>960</sub> 7561**

$$7561 \div 2 = 3780 \text{ remainder } 1$$

$$\begin{array}{r} 3780 \\ 2 \overline{) 7561} \\ \underline{7560} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 3 = 2520 \text{ remainder } 1$$

$$\begin{array}{r} 2520 \\ 3 \overline{) 7561} \\ \underline{7560} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 5 = 1512 \text{ remainder } 1$$

$$\begin{array}{r} 1512 \\ 5 \overline{) 7561} \\ \underline{7560} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 7 = 1080 \text{ remainder } 1$$

$$\begin{array}{r} 1080 \\ 7 \overline{) 7561} \\ \underline{7560} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 11 = 687 \text{ remainder } 4$$

$$\begin{array}{r} 687 \\ 11 \overline{) 7561} \\ \underline{7557} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 13 = 581 \text{ remainder } 8$$

$$\begin{array}{r} 581 \\ 13 \overline{) 7561} \\ \underline{7553} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 17 = 444 \text{ remainder } 13$$

$$\begin{array}{r} 444 \\ 17 \overline{) 7561} \\ \underline{7548} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 19 = 397 \text{ remainder } 18$$

$$\begin{array}{r} 397 \\ 19 \overline{) 7561} \\ \underline{7543} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 23 = 328 \text{ remainder } 17$$

$$\begin{array}{r} 328 \\ 23 \overline{) 7561} \\ \underline{7544} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 29 = 260 \text{ remainder } 21$$

$$\begin{array}{r} 260 \\ 29 \overline{) 7561} \\ \underline{7540} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 31 = 243 \text{ remainder } 28$$

$$\begin{array}{r} 243 \\ 31 \overline{) 7561} \end{array}$$

$$\begin{array}{r} 7533 \\ - - - - \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 37 = 204 \text{ remainder } 13$$

$$\begin{array}{r} 204 \\ 37 \overline{) 7561} \\ \underline{7548} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 41 = 184 \text{ remainder } 17$$

$$\begin{array}{r} 184 \\ 41 \overline{) 7561} \\ \underline{7544} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 43 = 175 \text{ remainder } 36$$

$$\begin{array}{r} 175 \\ 43 \overline{) 7561} \\ \underline{7525} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 47 = 160 \text{ remainder } 41$$

$$\begin{array}{r} 160 \\ 47 \overline{) 7561} \\ \underline{7520} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 53 = 142 \text{ remainder } 35$$

$$\begin{array}{r} 142 \\ 53 \overline{) 7561} \\ \underline{7526} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 59 = 128 \text{ remainder } 9$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7561} \\ \underline{7552} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 61 = 123 \text{ remainder } 58$$

$$\begin{array}{r} 123 \\ 61 \overline{) 7561} \\ \underline{7503} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 67 = 112 \text{ remainder } 57$$

$$\begin{array}{r} 112 \\ 67 \overline{) 7561} \\ \underline{7504} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 71 = 106 \text{ remainder } 35$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7561} \\ \underline{7526} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 73 = 103 \text{ remainder } 42$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7561} \\ \underline{7519} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$7561 \div 79 = 95 \text{ remainder } 56$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7561} \end{array}$$

7505

----

56 ← remainder

$7561 \div 83 = 91 \text{ remainder } 8$

83 |  $\overline{91 \over 7561}$   
7553

----

8 ← remainder

## **P<sub>961</sub> 7573**

$$7573 \div 2 = 3786 \text{ remainder } 1$$

$$\begin{array}{r} 3786 \\ 2 \overline{) 7573} \\ \underline{7572} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 3 = 2524 \text{ remainder } 1$$

$$\begin{array}{r} 2524 \\ 3 \overline{) 7573} \\ \underline{7572} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 5 = 1514 \text{ remainder } 3$$

$$\begin{array}{r} 1514 \\ 5 \overline{) 7573} \\ \underline{7570} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 7 = 1081 \text{ remainder } 6$$

$$\begin{array}{r} 1081 \\ 7 \overline{) 7573} \\ \underline{7567} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 11 = 688 \text{ remainder } 5$$

$$\begin{array}{r} 688 \\ 11 \overline{) 7573} \\ \underline{7568} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 13 = 582 \text{ remainder } 7$$

$$\begin{array}{r} 582 \\ 13 \overline{) 7573} \\ \underline{7566} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 17 = 445 \text{ remainder } 8$$

$$\begin{array}{r} 445 \\ 17 \overline{) 7573} \\ \underline{7565} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 19 = 398 \text{ remainder } 11$$

$$\begin{array}{r} 398 \\ 19 \overline{) 7573} \\ \underline{7562} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 23 = 329 \text{ remainder } 6$$

$$\begin{array}{r} 329 \\ 23 \overline{) 7573} \\ \underline{7567} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 29 = 261 \text{ remainder } 4$$

$$\begin{array}{r} 261 \\ 29 \overline{) 7573} \\ \underline{7569} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 31 = 244 \text{ remainder } 9$$

$$\begin{array}{r} 244 \\ 31 \overline{) 7573} \end{array}$$



$$\begin{array}{r} 7564 \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7573 \div 37 = 204 \text{ remainder } 25$$

$$\begin{array}{r} 204 \\ 37 \overline{) 7573} \\ \underline{7548} \\ - - - - \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7573 \div 41 = 184 \text{ remainder } 29$$

$$\begin{array}{r} 184 \\ 41 \overline{) 7573} \\ \underline{7544} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7573 \div 43 = 176 \text{ remainder } 5$$

$$\begin{array}{r} 176 \\ 43 \overline{) 7573} \\ \underline{7568} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7573 \div 47 = 161 \text{ remainder } 6$$

$$\begin{array}{r} 161 \\ 47 \overline{) 7573} \\ \underline{7567} \\ - - - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7573 \div 53 = 142 \text{ remainder } 47$$

$$\begin{array}{r} 142 \\ 53 \overline{) 7573} \\ \underline{7526} \\ - - - - \\ 47 \leftarrow \text{remainder} \end{array}$$

$$7573 \div 59 = 128 \text{ remainder } 21$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7573} \\ \underline{7552} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 61 = 124 \text{ remainder } 9$$

$$\begin{array}{r} 124 \\ 61 \overline{) 7573} \\ \underline{7564} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 67 = 113 \text{ remainder } 2$$

$$\begin{array}{r} 113 \\ 67 \overline{) 7573} \\ \underline{7571} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 71 = 106 \text{ remainder } 47$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7573} \\ \underline{7526} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 73 = 103 \text{ remainder } 54$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7573} \\ \underline{7519} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$7573 \div 79 = 95 \text{ remainder } 68$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7573} \end{array}$$

7505

----

68 ← remainder

$7573 \div 83 = 91 \text{ remainder } 20$

83 |  $\overline{91 \over 7573}$   
7553

----

20 ← remainder

## **P<sub>962</sub> 7577**

$$7577 \div 2 = 3788 \text{ remainder } 1$$

$$\begin{array}{r} 3788 \\ 2 \overline{) 7577} \\ \underline{7576} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 3 = 2525 \text{ remainder } 2$$

$$\begin{array}{r} 2525 \\ 3 \overline{) 7577} \\ \underline{7575} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 5 = 1515 \text{ remainder } 2$$

$$\begin{array}{r} 1515 \\ 5 \overline{) 7577} \\ \underline{7575} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 7 = 1082 \text{ remainder } 3$$

$$\begin{array}{r} 1082 \\ 7 \overline{) 7577} \\ \underline{7574} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 11 = 688 \text{ remainder } 9$$

$$\begin{array}{r} 688 \\ 11 \overline{) 7577} \\ \underline{7568} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 13 = 582 \text{ remainder } 11$$

$$\begin{array}{r} 582 \\ 13 \overline{) 7577} \\ \underline{7566} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 17 = 445 \text{ remainder } 12$$

$$\begin{array}{r} 445 \\ 17 \overline{) 7577} \\ \underline{7565} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 19 = 398 \text{ remainder } 15$$

$$\begin{array}{r} 398 \\ 19 \overline{) 7577} \\ \underline{7562} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 23 = 329 \text{ remainder } 10$$

$$\begin{array}{r} 329 \\ 23 \overline{) 7577} \\ \underline{7567} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 29 = 261 \text{ remainder } 8$$

$$\begin{array}{r} 261 \\ 29 \overline{) 7577} \\ \underline{7569} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7577 \div 31 = 244 \text{ remainder } 13$$

$$\begin{array}{r} 244 \\ 31 \overline{) 7577} \end{array}$$

$$\begin{array}{r} 7564 \\ - - - - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7577 \div 37 = 204 \text{ remainder } 29$$

$$\begin{array}{r} 204 \\ 37 \overline{) 7577} \\ \underline{7548} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7577 \div 41 = 184 \text{ remainder } 33$$

$$\begin{array}{r} 184 \\ 41 \overline{) 7577} \\ \underline{7544} \\ - - - - \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7577 \div 43 = 176 \text{ remainder } 9$$

$$\begin{array}{r} 176 \\ 43 \overline{) 7577} \\ \underline{7568} \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7577 \div 47 = 161 \text{ remainder } 10$$

$$\begin{array}{r} 161 \\ 47 \overline{) 7577} \\ \underline{7567} \\ - - - - \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7577 \div 53 = 142 \text{ remainder } 51$$

$$\begin{array}{r} 142 \\ 53 \overline{) 7577} \\ \underline{7526} \\ - - - - \\ 51 \leftarrow \text{remainder} \end{array}$$

$$7577 \div 59 = 128 \text{ remainder } 25$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7577} \\ \underline{7552} \phantom{00} \\ 25 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7577 \div 61 = 124 \text{ remainder } 13$$

$$\begin{array}{r} 124 \\ 61 \overline{) 7577} \\ \underline{7564} \phantom{00} \\ 13 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7577 \div 67 = 113 \text{ remainder } 6$$

$$\begin{array}{r} 113 \\ 67 \overline{) 7577} \\ \underline{7571} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7577 \div 71 = 106 \text{ remainder } 51$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7577} \\ \underline{7526} \phantom{00} \\ 51 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7577 \div 73 = 103 \text{ remainder } 58$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7577} \\ \underline{7519} \phantom{00} \\ 58 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7577 \div 79 = 95 \text{ remainder } 72$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7577} \end{array}$$

7505

----

72 ← remainder

$$7577 \div 83 = 91 \text{ remainder } 24$$

$$\begin{array}{r} 91 \\ 83 \overline{) 7577} \\ \underline{7553} \end{array}$$

----

24 ← remainder



## **P<sub>963</sub> 7583**

$$7583 \div 2 = 3791 \text{ remainder } 1$$

$$\begin{array}{r} 3791 \\ 2 \overline{) 7583} \\ \underline{7582} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 3 = 2527 \text{ remainder } 2$$

$$\begin{array}{r} 2527 \\ 3 \overline{) 7583} \\ \underline{7581} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 5 = 1516 \text{ remainder } 3$$

$$\begin{array}{r} 1516 \\ 5 \overline{) 7583} \\ \underline{7580} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 7 = 1083 \text{ remainder } 2$$

$$\begin{array}{r} 1083 \\ 7 \overline{) 7583} \\ \underline{7581} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 11 = 689 \text{ remainder } 4$$

$$\begin{array}{r} 689 \\ 11 \overline{) 7583} \\ \underline{7579} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 13 = 583 \text{ remainder } 4$$

$$\begin{array}{r} 583 \\ 13 \overline{) 7583} \\ \underline{7579} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 17 = 446 \text{ remainder } 1$$

$$\begin{array}{r} 446 \\ 17 \overline{) 7583} \\ \underline{7582} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 19 = 399 \text{ remainder } 2$$

$$\begin{array}{r} 399 \\ 19 \overline{) 7583} \\ \underline{7581} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 23 = 329 \text{ remainder } 16$$

$$\begin{array}{r} 329 \\ 23 \overline{) 7583} \\ \underline{7567} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 29 = 261 \text{ remainder } 14$$

$$\begin{array}{r} 261 \\ 29 \overline{) 7583} \\ \underline{7569} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7583 \div 31 = 244 \text{ remainder } 19$$

$$\begin{array}{r} 244 \\ 31 \overline{) 7583} \end{array}$$

$$\begin{array}{r} 7564 \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7583 \div 37 = 204 \text{ remainder } 35$$

$$\begin{array}{r} 204 \\ 37 \overline{) 7583} \\ \underline{7548} \\ - - - - \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7583 \div 41 = 184 \text{ remainder } 39$$

$$\begin{array}{r} 184 \\ 41 \overline{) 7583} \\ \underline{7544} \\ - - - - \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7583 \div 43 = 176 \text{ remainder } 15$$

$$\begin{array}{r} 176 \\ 43 \overline{) 7583} \\ \underline{7568} \\ - - - - \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7583 \div 47 = 161 \text{ remainder } 16$$

$$\begin{array}{r} 161 \\ 47 \overline{) 7583} \\ \underline{7567} \\ - - - - \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7583 \div 53 = 143 \text{ remainder } 4$$

$$\begin{array}{r} 143 \\ 53 \overline{) 7583} \\ \underline{7579} \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7583 \div 59 = 128 \text{ remainder } 31$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7583} \\ \underline{7552} \phantom{00} \\ 31 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7583 \div 61 = 124 \text{ remainder } 19$$

$$\begin{array}{r} 124 \\ 61 \overline{) 7583} \\ \underline{7564} \phantom{00} \\ 19 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7583 \div 67 = 113 \text{ remainder } 12$$

$$\begin{array}{r} 113 \\ 67 \overline{) 7583} \\ \underline{7571} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7583 \div 71 = 106 \text{ remainder } 57$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7583} \\ \underline{7526} \phantom{00} \\ 57 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7583 \div 73 = 103 \text{ remainder } 64$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7583} \\ \underline{7519} \phantom{00} \\ 64 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7583 \div 79 = 95 \text{ remainder } 78$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7583} \end{array}$$

7505

----

78 ← remainder

$7583 \div 83 = 91 \text{ remainder } 30$

83 |  $\overline{91 \over 7583}$   
7553

----

30 ← remainder

## **P<sub>964</sub> 7589**

$$7589 \div 2 = 3794 \text{ remainder } 1$$

$$\begin{array}{r} 3794 \\ 2 \overline{) 7589} \\ \underline{7588} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 3 = 2529 \text{ remainder } 2$$

$$\begin{array}{r} 2529 \\ 3 \overline{) 7589} \\ \underline{7587} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 5 = 1517 \text{ remainder } 4$$

$$\begin{array}{r} 1517 \\ 5 \overline{) 7589} \\ \underline{7585} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 7 = 1084 \text{ remainder } 1$$

$$\begin{array}{r} 1084 \\ 7 \overline{) 7589} \\ \underline{7588} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 11 = 689 \text{ remainder } 10$$

$$\begin{array}{r} 689 \\ 11 \overline{) 7589} \\ \underline{7579} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 13 = 583 \text{ remainder } 10$$

$$\begin{array}{r} 583 \\ 13 \overline{) 7589} \\ \underline{7579} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 17 = 446 \text{ remainder } 7$$

$$\begin{array}{r} 446 \\ 17 \overline{) 7589} \\ \underline{7582} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 19 = 399 \text{ remainder } 8$$

$$\begin{array}{r} 399 \\ 19 \overline{) 7589} \\ \underline{7581} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 23 = 329 \text{ remainder } 22$$

$$\begin{array}{r} 329 \\ 23 \overline{) 7589} \\ \underline{7567} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 29 = 261 \text{ remainder } 20$$

$$\begin{array}{r} 261 \\ 29 \overline{) 7589} \\ \underline{7569} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 31 = 244 \text{ remainder } 25$$

$$\begin{array}{r} 244 \\ 31 \overline{) 7589} \end{array}$$

7564  
 ----  
 25 ← remainder

$$7589 \div 37 = 205 \text{ remainder } 4$$

37 |  $\overline{205}$   
 $\overline{7589}$   
 7585  
 ----  
 4 ← remainder

$$7589 \div 41 = 185 \text{ remainder } 4$$

41 |  $\overline{185}$   
 $\overline{7589}$   
 7585  
 ----  
 4 ← remainder

$$7589 \div 43 = 176 \text{ remainder } 21$$

43 |  $\overline{176}$   
 $\overline{7589}$   
 7568  
 ----  
 21 ← remainder

$$7589 \div 47 = 161 \text{ remainder } 22$$

47 |  $\overline{161}$   
 $\overline{7589}$   
 7567  
 ----  
 22 ← remainder

$$7589 \div 53 = 143 \text{ remainder } 10$$

53 |  $\overline{143}$   
 $\overline{7589}$   
 7579  
 ----  
 10 ← remainder



$$7589 \div 59 = 128 \text{ remainder } 37$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7589} \\ \underline{7552} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 61 = 124 \text{ remainder } 25$$

$$\begin{array}{r} 124 \\ 61 \overline{) 7589} \\ \underline{7564} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 67 = 113 \text{ remainder } 18$$

$$\begin{array}{r} 113 \\ 67 \overline{) 7589} \\ \underline{7571} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 71 = 106 \text{ remainder } 63$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7589} \\ \underline{7526} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 73 = 103 \text{ remainder } 70$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7589} \\ \underline{7519} \\ 70 \end{array} \leftarrow \text{remainder}$$

$$7589 \div 79 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7589} \end{array}$$

7584

----

5 ← remainder

$7589 \div 83 = 91 \text{ remainder } 36$

83 |  $\begin{array}{r} 91 \\ \hline 7589 \\ 7553 \\ \hline \end{array}$

----

36 ← remainder

## **P<sub>965</sub> 7591**

$$7591 \div 2 = 3795 \text{ remainder } 1$$

$$\begin{array}{r} 3795 \\ 2 \overline{) 7591} \\ \underline{7590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 3 = 2530 \text{ remainder } 1$$

$$\begin{array}{r} 2530 \\ 3 \overline{) 7591} \\ \underline{7590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 5 = 1518 \text{ remainder } 1$$

$$\begin{array}{r} 1518 \\ 5 \overline{) 7591} \\ \underline{7590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 7 = 1084 \text{ remainder } 3$$

$$\begin{array}{r} 1084 \\ 7 \overline{) 7591} \\ \underline{7588} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 11 = 690 \text{ remainder } 1$$

$$\begin{array}{r} 690 \\ 11 \overline{) 7591} \\ \underline{7590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 13 = 583 \text{ remainder } 12$$

$$\begin{array}{r} 583 \\ 13 \overline{) 7591} \\ \underline{7579} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 17 = 446 \text{ remainder } 9$$

$$\begin{array}{r} 446 \\ 17 \overline{) 7591} \\ \underline{7582} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 19 = 399 \text{ remainder } 10$$

$$\begin{array}{r} 399 \\ 19 \overline{) 7591} \\ \underline{7581} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 23 = 330 \text{ remainder } 1$$

$$\begin{array}{r} 330 \\ 23 \overline{) 7591} \\ \underline{7590} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 29 = 261 \text{ remainder } 22$$

$$\begin{array}{r} 261 \\ 29 \overline{) 7591} \\ \underline{7569} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7591 \div 31 = 244 \text{ remainder } 27$$

$$\begin{array}{r} 244 \\ 31 \overline{) 7591} \end{array}$$

$$\begin{array}{r} 7564 \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7591 \div 37 = 205 \text{ remainder } 6$$

$$\begin{array}{r} 205 \\ 37 \overline{) 7591} \\ \underline{7585} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7591 \div 41 = 185 \text{ remainder } 6$$

$$\begin{array}{r} 185 \\ 41 \overline{) 7591} \\ \underline{7585} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7591 \div 43 = 176 \text{ remainder } 23$$

$$\begin{array}{r} 176 \\ 43 \overline{) 7591} \\ \underline{7568} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7591 \div 47 = 161 \text{ remainder } 24$$

$$\begin{array}{r} 161 \\ 47 \overline{) 7591} \\ \underline{7567} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7591 \div 53 = 143 \text{ remainder } 12$$

$$\begin{array}{r} 143 \\ 53 \overline{) 7591} \\ \underline{7579} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7591 \div 59 = 128 \text{ remainder } 39$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7591} \\ \underline{7552} \phantom{00} \\ 39 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7591 \div 61 = 124 \text{ remainder } 27$$

$$\begin{array}{r} 124 \\ 61 \overline{) 7591} \\ \underline{7564} \phantom{00} \\ 27 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7591 \div 67 = 113 \text{ remainder } 20$$

$$\begin{array}{r} 113 \\ 67 \overline{) 7591} \\ \underline{7571} \phantom{00} \\ 20 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7591 \div 71 = 106 \text{ remainder } 65$$

$$\begin{array}{r} 106 \\ 71 \overline{) 7591} \\ \underline{7526} \phantom{00} \\ 65 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7591 \div 73 = 103 \text{ remainder } 72$$

$$\begin{array}{r} 103 \\ 73 \overline{) 7591} \\ \underline{7519} \phantom{00} \\ 72 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7591 \div 79 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7591} \end{array}$$

7584

----

7 ← remainder

$7591 \div 83 = 91 \text{ remainder } 38$

83 |  $\overline{91 \phantom{00} 7591}$   
7553

----

38 ← remainder

## **P<sub>966</sub> 7603**

$$7603 \div 2 = 3801 \text{ remainder } 1$$

$$\begin{array}{r} 3801 \\ 2 \overline{) 7603} \\ \underline{7602} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 3 = 2534 \text{ remainder } 1$$

$$\begin{array}{r} 2534 \\ 3 \overline{) 7603} \\ \underline{7602} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 5 = 1520 \text{ remainder } 3$$

$$\begin{array}{r} 1520 \\ 5 \overline{) 7603} \\ \underline{7600} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 7 = 1086 \text{ remainder } 1$$

$$\begin{array}{r} 1086 \\ 7 \overline{) 7603} \\ \underline{7602} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 11 = 691 \text{ remainder } 2$$

$$\begin{array}{r} 691 \\ 11 \overline{) 7603} \\ \underline{7601} \\ 2 \end{array} \leftarrow \text{remainder}$$



$$7603 \div 13 = 584 \text{ remainder } 11$$

$$\begin{array}{r} 584 \\ 13 \overline{) 7603} \\ \underline{7592} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 17 = 447 \text{ remainder } 4$$

$$\begin{array}{r} 447 \\ 17 \overline{) 7603} \\ \underline{7599} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 19 = 400 \text{ remainder } 3$$

$$\begin{array}{r} 400 \\ 19 \overline{) 7603} \\ \underline{7600} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 23 = 330 \text{ remainder } 13$$

$$\begin{array}{r} 330 \\ 23 \overline{) 7603} \\ \underline{7590} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 29 = 262 \text{ remainder } 5$$

$$\begin{array}{r} 262 \\ 29 \overline{) 7603} \\ \underline{7598} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 31 = 245 \text{ remainder } 8$$

$$\begin{array}{r} 245 \\ 31 \overline{) 7603} \end{array}$$

7595

----

8 ← remainder

$$7603 \div 37 = 205 \text{ remainder } 18$$

$$\begin{array}{r} 205 \\ 37 \overline{) 7603} \\ \underline{7585} \end{array}$$

----

18 ← remainder

$$7603 \div 41 = 185 \text{ remainder } 18$$

$$\begin{array}{r} 185 \\ 41 \overline{) 7603} \\ \underline{7585} \end{array}$$

----

18 ← remainder

$$7603 \div 43 = 176 \text{ remainder } 35$$

$$\begin{array}{r} 176 \\ 43 \overline{) 7603} \\ \underline{7568} \end{array}$$

----

35 ← remainder

$$7603 \div 47 = 161 \text{ remainder } 36$$

$$\begin{array}{r} 161 \\ 47 \overline{) 7603} \\ \underline{7567} \end{array}$$

----

36 ← remainder

$$7603 \div 53 = 143 \text{ remainder } 24$$

$$\begin{array}{r} 143 \\ 53 \overline{) 7603} \\ \underline{7579} \end{array}$$

----

24 ← remainder

$$7603 \div 59 = 128 \text{ remainder } 51$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7603} \\ \underline{7552} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 61 = 124 \text{ remainder } 39$$

$$\begin{array}{r} 124 \\ 61 \overline{) 7603} \\ \underline{7564} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 67 = 113 \text{ remainder } 32$$

$$\begin{array}{r} 113 \\ 67 \overline{) 7603} \\ \underline{7571} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 71 = 107 \text{ remainder } 6$$

$$\begin{array}{r} 107 \\ 71 \overline{) 7603} \\ \underline{7597} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 73 = 104 \text{ remainder } 11$$

$$\begin{array}{r} 104 \\ 73 \overline{) 7603} \\ \underline{7592} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7603 \div 79 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7603} \end{array}$$

7584

----

19 ← remainder

$$7603 \div 83 = 91 \text{ remainder } 50$$

$$\begin{array}{r} 91 \\ 83 \overline{) 7603} \\ \underline{7553} \end{array}$$

----

50 ← remainder

## **P<sub>967</sub> 7607**

$$7607 \div 2 = 3803 \text{ remainder } 1$$

$$\begin{array}{r} 3803 \\ 2 \overline{) 7607} \\ \underline{7606} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 3 = 2535 \text{ remainder } 2$$

$$\begin{array}{r} 2535 \\ 3 \overline{) 7607} \\ \underline{7605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 5 = 1521 \text{ remainder } 2$$

$$\begin{array}{r} 1521 \\ 5 \overline{) 7607} \\ \underline{7605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 7 = 1086 \text{ remainder } 5$$

$$\begin{array}{r} 1086 \\ 7 \overline{) 7607} \\ \underline{7602} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 11 = 691 \text{ remainder } 6$$

$$\begin{array}{r} 691 \\ 11 \overline{) 7607} \\ \underline{7601} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 13 = 585 \text{ remainder } 2$$

$$\begin{array}{r} 585 \\ 13 \overline{) 7607} \\ \underline{7605} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 17 = 447 \text{ remainder } 8$$

$$\begin{array}{r} 447 \\ 17 \overline{) 7607} \\ \underline{7599} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 19 = 400 \text{ remainder } 7$$

$$\begin{array}{r} 400 \\ 19 \overline{) 7607} \\ \underline{7600} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 23 = 330 \text{ remainder } 17$$

$$\begin{array}{r} 330 \\ 23 \overline{) 7607} \\ \underline{7590} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 29 = 262 \text{ remainder } 9$$

$$\begin{array}{r} 262 \\ 29 \overline{) 7607} \\ \underline{7598} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 31 = 245 \text{ remainder } 12$$

$$\begin{array}{r} 245 \\ 31 \overline{) 7607} \end{array}$$

$$\begin{array}{r} 7595 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7607 \div 37 = 205 \text{ remainder } 22$$

$$\begin{array}{r} 205 \\ 37 \mid \overline{7607} \\ \underline{7585} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7607 \div 41 = 185 \text{ remainder } 22$$

$$\begin{array}{r} 185 \\ 41 \mid \overline{7607} \\ \underline{7585} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7607 \div 43 = 176 \text{ remainder } 39$$

$$\begin{array}{r} 176 \\ 43 \mid \overline{7607} \\ \underline{7568} \\ \text{----} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7607 \div 47 = 161 \text{ remainder } 40$$

$$\begin{array}{r} 161 \\ 47 \mid \overline{7607} \\ \underline{7567} \\ \text{----} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$7607 \div 53 = 143 \text{ remainder } 28$$

$$\begin{array}{r} 143 \\ 53 \mid \overline{7607} \\ \underline{7579} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7607 \div 59 = 128 \text{ remainder } 55$$

$$\begin{array}{r} 128 \\ 59 \overline{) 7607} \\ \underline{7552} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 61 = 124 \text{ remainder } 43$$

$$\begin{array}{r} 124 \\ 61 \overline{) 7607} \\ \underline{7564} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 67 = 113 \text{ remainder } 36$$

$$\begin{array}{r} 113 \\ 67 \overline{) 7607} \\ \underline{7571} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 71 = 107 \text{ remainder } 10$$

$$\begin{array}{r} 107 \\ 71 \overline{) 7607} \\ \underline{7597} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 73 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 73 \overline{) 7607} \\ \underline{7592} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7607 \div 79 = 96 \text{ remainder } 23$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7607} \end{array}$$



7584

----

23 ← remainder

$7607 \div 83 = 91 \text{ remainder } 54$

83 |  $\overline{91 \over 7607}$   
7553

----

54 ← remainder

## **P<sub>968</sub> 7621**

$$7621 \div 2 = 3810 \text{ remainder } 1$$

$$\begin{array}{r} 3810 \\ 2 \overline{) 7621} \\ \underline{7620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 3 = 2540 \text{ remainder } 1$$

$$\begin{array}{r} 2540 \\ 3 \overline{) 7621} \\ \underline{7620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 5 = 1524 \text{ remainder } 1$$

$$\begin{array}{r} 1524 \\ 5 \overline{) 7621} \\ \underline{7620} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 7 = 1088 \text{ remainder } 5$$

$$\begin{array}{r} 1088 \\ 7 \overline{) 7621} \\ \underline{7616} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 11 = 692 \text{ remainder } 9$$

$$\begin{array}{r} 692 \\ 11 \overline{) 7621} \\ \underline{7612} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 13 = 586 \text{ remainder } 3$$

$$\begin{array}{r} 586 \\ 13 \overline{) 7621} \\ \underline{7618} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 17 = 448 \text{ remainder } 5$$

$$\begin{array}{r} 448 \\ 17 \overline{) 7621} \\ \underline{7616} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 19 = 401 \text{ remainder } 2$$

$$\begin{array}{r} 401 \\ 19 \overline{) 7621} \\ \underline{7619} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 23 = 331 \text{ remainder } 8$$

$$\begin{array}{r} 331 \\ 23 \overline{) 7621} \\ \underline{7613} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 29 = 262 \text{ remainder } 23$$

$$\begin{array}{r} 262 \\ 29 \overline{) 7621} \\ \underline{7598} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 31 = 245 \text{ remainder } 26$$

$$\begin{array}{r} 245 \\ 31 \overline{) 7621} \end{array}$$

$$\begin{array}{r} 7595 \\ - - - - \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7621 \div 37 = 205 \text{ remainder } 36$$

$$\begin{array}{r} 205 \\ 37 \overline{) 7621} \\ \underline{7585} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7621 \div 41 = 185 \text{ remainder } 36$$

$$\begin{array}{r} 185 \\ 41 \overline{) 7621} \\ \underline{7585} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7621 \div 43 = 177 \text{ remainder } 10$$

$$\begin{array}{r} 177 \\ 43 \overline{) 7621} \\ \underline{7611} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7621 \div 47 = 162 \text{ remainder } 7$$

$$\begin{array}{r} 162 \\ 47 \overline{) 7621} \\ \underline{7614} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7621 \div 53 = 143 \text{ remainder } 42$$

$$\begin{array}{r} 143 \\ 53 \overline{) 7621} \\ \underline{7579} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$7621 \div 59 = 129 \text{ remainder } 10$$

$$\begin{array}{r} 129 \\ 59 \overline{) 7621} \\ \underline{7611} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 61 = 124 \text{ remainder } 57$$

$$\begin{array}{r} 124 \\ 61 \overline{) 7621} \\ \underline{7564} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 67 = 113 \text{ remainder } 50$$

$$\begin{array}{r} 113 \\ 67 \overline{) 7621} \\ \underline{7571} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 71 = 107 \text{ remainder } 24$$

$$\begin{array}{r} 107 \\ 71 \overline{) 7621} \\ \underline{7597} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 73 = 104 \text{ remainder } 29$$

$$\begin{array}{r} 104 \\ 73 \overline{) 7621} \\ \underline{7592} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$7621 \div 79 = 96 \text{ remainder } 37$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7621} \end{array}$$

7584

----

37 ← remainder

$7621 \div 83 = 91 \text{ remainder } 68$

83 |  $\overline{91 \over 7621}$   
7553

----

68 ← remainder

## **P<sub>969</sub> 7639**

$$7639 \div 2 = 3819 \text{ remainder } 1$$

$$\begin{array}{r} 3819 \\ 2 \overline{) 7639} \\ \underline{7638} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 3 = 2546 \text{ remainder } 1$$

$$\begin{array}{r} 2546 \\ 3 \overline{) 7639} \\ \underline{7638} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 5 = 1527 \text{ remainder } 4$$

$$\begin{array}{r} 1527 \\ 5 \overline{) 7639} \\ \underline{7635} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 7 = 1091 \text{ remainder } 2$$

$$\begin{array}{r} 1091 \\ 7 \overline{) 7639} \\ \underline{7637} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 11 = 694 \text{ remainder } 5$$

$$\begin{array}{r} 694 \\ 11 \overline{) 7639} \\ \underline{7634} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 13 = 587 \text{ remainder } 8$$

$$\begin{array}{r} 587 \\ 13 \overline{) 7639} \\ \underline{7631} \phantom{00} \\ 8 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7639 \div 17 = 449 \text{ remainder } 6$$

$$\begin{array}{r} 449 \\ 17 \overline{) 7639} \\ \underline{7633} \phantom{00} \\ 6 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7639 \div 19 = 402 \text{ remainder } 1$$

$$\begin{array}{r} 402 \\ 19 \overline{) 7639} \\ \underline{7638} \phantom{00} \\ 1 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7639 \div 23 = 332 \text{ remainder } 3$$

$$\begin{array}{r} 332 \\ 23 \overline{) 7639} \\ \underline{7636} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7639 \div 29 = 263 \text{ remainder } 12$$

$$\begin{array}{r} 263 \\ 29 \overline{) 7639} \\ \underline{7627} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7639 \div 31 = 246 \text{ remainder } 13$$

$$\begin{array}{r} 246 \\ 31 \overline{) 7639} \end{array}$$



$$\begin{array}{r} 7626 \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7639 \div 37 = 206 \text{ remainder } 17$$

$$\begin{array}{r} 206 \\ 37 \mid \overline{7639} \\ \underline{7622} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7639 \div 41 = 186 \text{ remainder } 13$$

$$\begin{array}{r} 186 \\ 41 \mid \overline{7639} \\ \underline{7626} \\ \text{----} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7639 \div 43 = 177 \text{ remainder } 28$$

$$\begin{array}{r} 177 \\ 43 \mid \overline{7639} \\ \underline{7611} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7639 \div 47 = 162 \text{ remainder } 25$$

$$\begin{array}{r} 162 \\ 47 \mid \overline{7639} \\ \underline{7614} \\ \text{----} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$7639 \div 53 = 144 \text{ remainder } 7$$

$$\begin{array}{r} 144 \\ 53 \mid \overline{7639} \\ \underline{7632} \\ \text{----} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7639 \div 59 = 129 \text{ remainder } 28$$

$$\begin{array}{r} 129 \\ 59 \overline{) 7639} \\ \underline{7611} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 61 = 125 \text{ remainder } 14$$

$$\begin{array}{r} 125 \\ 61 \overline{) 7639} \\ \underline{7625} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 67 = 114 \text{ remainder } 1$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7639} \\ \underline{7638} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 71 = 107 \text{ remainder } 42$$

$$\begin{array}{r} 107 \\ 71 \overline{) 7639} \\ \underline{7597} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 73 = 104 \text{ remainder } 47$$

$$\begin{array}{r} 104 \\ 73 \overline{) 7639} \\ \underline{7592} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$7639 \div 79 = 96 \text{ remainder } 55$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7639} \end{array}$$

7584

----

55 ← remainder

$$7639 \div 83 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 83 \overline{) 7639} \\ \underline{7636} \end{array}$$

----

3 ← remainder

## **P<sub>970</sub> 7643**

$$7643 \div 2 = 3821 \text{ remainder } 1$$

$$\begin{array}{r} 3821 \\ 2 \overline{) 7643} \\ \underline{7642} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 3 = 2547 \text{ remainder } 2$$

$$\begin{array}{r} 2547 \\ 3 \overline{) 7643} \\ \underline{7641} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 5 = 1528 \text{ remainder } 3$$

$$\begin{array}{r} 1528 \\ 5 \overline{) 7643} \\ \underline{7640} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 7 = 1091 \text{ remainder } 6$$

$$\begin{array}{r} 1091 \\ 7 \overline{) 7643} \\ \underline{7637} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 11 = 694 \text{ remainder } 9$$

$$\begin{array}{r} 694 \\ 11 \overline{) 7643} \\ \underline{7634} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 13 = 587 \text{ remainder } 12$$

$$\begin{array}{r} 587 \\ 13 \overline{) 7643} \\ \underline{7631} \phantom{00} \\ 12 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7643 \div 17 = 449 \text{ remainder } 10$$

$$\begin{array}{r} 449 \\ 17 \overline{) 7643} \\ \underline{7633} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7643 \div 19 = 402 \text{ remainder } 5$$

$$\begin{array}{r} 402 \\ 19 \overline{) 7643} \\ \underline{7638} \phantom{00} \\ 5 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7643 \div 23 = 332 \text{ remainder } 7$$

$$\begin{array}{r} 332 \\ 23 \overline{) 7643} \\ \underline{7636} \phantom{00} \\ 7 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7643 \div 29 = 263 \text{ remainder } 16$$

$$\begin{array}{r} 263 \\ 29 \overline{) 7643} \\ \underline{7627} \phantom{00} \\ 16 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7643 \div 31 = 246 \text{ remainder } 17$$

$$\begin{array}{r} 246 \\ 31 \overline{) 7643} \end{array}$$

$$\begin{array}{r} 7626 \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7643 \div 37 = 206 \text{ remainder } 21$$

$$\begin{array}{r} 206 \\ 37 \mid \overline{7643} \\ \underline{7622} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7643 \div 41 = 186 \text{ remainder } 17$$

$$\begin{array}{r} 186 \\ 41 \mid \overline{7643} \\ \underline{7626} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7643 \div 43 = 177 \text{ remainder } 32$$

$$\begin{array}{r} 177 \\ 43 \mid \overline{7643} \\ \underline{7611} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7643 \div 47 = 162 \text{ remainder } 29$$

$$\begin{array}{r} 162 \\ 47 \mid \overline{7643} \\ \underline{7614} \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7643 \div 53 = 144 \text{ remainder } 11$$

$$\begin{array}{r} 144 \\ 53 \mid \overline{7643} \\ \underline{7632} \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$7643 \div 59 = 129 \text{ remainder } 32$$

$$\begin{array}{r} 129 \\ 59 \overline{) 7643} \\ \underline{7611} \phantom{00} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 61 = 125 \text{ remainder } 18$$

$$\begin{array}{r} 125 \\ 61 \overline{) 7643} \\ \underline{7625} \phantom{00} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 67 = 114 \text{ remainder } 5$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7643} \\ \underline{7638} \phantom{00} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 71 = 107 \text{ remainder } 46$$

$$\begin{array}{r} 107 \\ 71 \overline{) 7643} \\ \underline{7597} \phantom{00} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 73 = 104 \text{ remainder } 51$$

$$\begin{array}{r} 104 \\ 73 \overline{) 7643} \\ \underline{7592} \phantom{00} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7643 \div 79 = 96 \text{ remainder } 59$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7643} \end{array}$$

7584

----

59 ← remainder

$7643 \div 83 = 92 \text{ remainder } 7$

83 |  $\begin{array}{r} 92 \\ \overline{7643} \\ 7636 \end{array}$

----

7 ← remainder



## **P<sub>971</sub> 7649**

$$7649 \div 2 = 3824 \text{ remainder } 1$$

$$\begin{array}{r} 3824 \\ 2 \overline{) 7649} \\ \underline{7648} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 3 = 2549 \text{ remainder } 2$$

$$\begin{array}{r} 2549 \\ 3 \overline{) 7649} \\ \underline{7647} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 5 = 1529 \text{ remainder } 4$$

$$\begin{array}{r} 1529 \\ 5 \overline{) 7649} \\ \underline{7645} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 7 = 1092 \text{ remainder } 5$$

$$\begin{array}{r} 1092 \\ 7 \overline{) 7649} \\ \underline{7644} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 11 = 695 \text{ remainder } 4$$

$$\begin{array}{r} 695 \\ 11 \overline{) 7649} \\ \underline{7645} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 13 = 588 \text{ remainder } 5$$

$$\begin{array}{r} 588 \\ 13 \overline{) 7649} \\ \underline{7644} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 17 = 449 \text{ remainder } 16$$

$$\begin{array}{r} 449 \\ 17 \overline{) 7649} \\ \underline{7633} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 19 = 402 \text{ remainder } 11$$

$$\begin{array}{r} 402 \\ 19 \overline{) 7649} \\ \underline{7638} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 23 = 332 \text{ remainder } 13$$

$$\begin{array}{r} 332 \\ 23 \overline{) 7649} \\ \underline{7636} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 29 = 263 \text{ remainder } 22$$

$$\begin{array}{r} 263 \\ 29 \overline{) 7649} \\ \underline{7627} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 31 = 246 \text{ remainder } 23$$

$$\begin{array}{r} 246 \\ 31 \overline{) 7649} \end{array}$$

$$\begin{array}{r} 7626 \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7649 \div 37 = 206 \text{ remainder } 27$$

$$\begin{array}{r} 206 \\ 37 \mid \overline{7649} \\ \underline{7622} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7649 \div 41 = 186 \text{ remainder } 23$$

$$\begin{array}{r} 186 \\ 41 \mid \overline{7649} \\ \underline{7626} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7649 \div 43 = 177 \text{ remainder } 38$$

$$\begin{array}{r} 177 \\ 43 \mid \overline{7649} \\ \underline{7611} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7649 \div 47 = 162 \text{ remainder } 35$$

$$\begin{array}{r} 162 \\ 47 \mid \overline{7649} \\ \underline{7614} \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7649 \div 53 = 144 \text{ remainder } 17$$

$$\begin{array}{r} 144 \\ 53 \mid \overline{7649} \\ \underline{7632} \\ \text{----} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7649 \div 59 = 129 \text{ remainder } 38$$

$$\begin{array}{r} 129 \\ 59 \overline{) 7649} \\ \underline{7611} \phantom{00} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 61 = 125 \text{ remainder } 24$$

$$\begin{array}{r} 125 \\ 61 \overline{) 7649} \\ \underline{7625} \phantom{00} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 67 = 114 \text{ remainder } 11$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7649} \\ \underline{7638} \phantom{00} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 71 = 107 \text{ remainder } 52$$

$$\begin{array}{r} 107 \\ 71 \overline{) 7649} \\ \underline{7597} \phantom{00} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 73 = 104 \text{ remainder } 57$$

$$\begin{array}{r} 104 \\ 73 \overline{) 7649} \\ \underline{7592} \phantom{00} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7649 \div 79 = 96 \text{ remainder } 65$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7649} \end{array}$$

7584

----

65 ← remainder

$7649 \div 83 = 92 \text{ remainder } 13$

83 |  $\overline{92 \phantom{00} 7649}$   
7636

----

13 ← remainder

## **P<sub>972</sub> 7669**

$$7669 \div 2 = 3834 \text{ remainder } 1$$

$$\begin{array}{r} 3834 \\ 2 \overline{) 7669} \\ \underline{7668} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 3 = 2556 \text{ remainder } 1$$

$$\begin{array}{r} 2556 \\ 3 \overline{) 7669} \\ \underline{7668} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 5 = 1533 \text{ remainder } 4$$

$$\begin{array}{r} 1533 \\ 5 \overline{) 7669} \\ \underline{7665} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 7 = 1095 \text{ remainder } 4$$

$$\begin{array}{r} 1095 \\ 7 \overline{) 7669} \\ \underline{7665} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 11 = 697 \text{ remainder } 2$$

$$\begin{array}{r} 697 \\ 11 \overline{) 7669} \\ \underline{7667} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 13 = 589 \text{ remainder } 12$$

$$\begin{array}{r} 589 \\ 13 \overline{) 7669} \\ \underline{7657} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 17 = 451 \text{ remainder } 2$$

$$\begin{array}{r} 451 \\ 17 \overline{) 7669} \\ \underline{7667} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 19 = 403 \text{ remainder } 12$$

$$\begin{array}{r} 403 \\ 19 \overline{) 7669} \\ \underline{7657} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 23 = 333 \text{ remainder } 10$$

$$\begin{array}{r} 333 \\ 23 \overline{) 7669} \\ \underline{7659} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 29 = 264 \text{ remainder } 13$$

$$\begin{array}{r} 264 \\ 29 \overline{) 7669} \\ \underline{7656} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 31 = 247 \text{ remainder } 12$$

$$\begin{array}{r} 247 \\ 31 \overline{) 7669} \end{array}$$

$$\begin{array}{r} 7657 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7669 \div 37 = 207 \text{ remainder } 10$$

$$\begin{array}{r} 207 \\ 37 \mid \overline{7669} \\ \underline{7659} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7669 \div 41 = 187 \text{ remainder } 2$$

$$\begin{array}{r} 187 \\ 41 \mid \overline{7669} \\ \underline{7667} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7669 \div 43 = 178 \text{ remainder } 15$$

$$\begin{array}{r} 178 \\ 43 \mid \overline{7669} \\ \underline{7654} \\ \text{----} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7669 \div 47 = 163 \text{ remainder } 8$$

$$\begin{array}{r} 163 \\ 47 \mid \overline{7669} \\ \underline{7661} \\ \text{----} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7669 \div 53 = 144 \text{ remainder } 37$$

$$\begin{array}{r} 144 \\ 53 \mid \overline{7669} \\ \underline{7632} \\ \text{----} \\ 37 \leftarrow \text{remainder} \end{array}$$



$$7669 \div 59 = 129 \text{ remainder } 58$$

$$\begin{array}{r} 129 \\ 59 \overline{) 7669} \\ \underline{7611} \phantom{00} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 61 = 125 \text{ remainder } 44$$

$$\begin{array}{r} 125 \\ 61 \overline{) 7669} \\ \underline{7625} \phantom{00} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 67 = 114 \text{ remainder } 31$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7669} \\ \underline{7638} \phantom{00} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 71 = 108 \text{ remainder } 1$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7669} \\ \underline{7668} \phantom{00} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 73 = 105 \text{ remainder } 4$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7669} \\ \underline{7665} \phantom{00} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7669 \div 79 = 97 \text{ remainder } 6$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7669} \end{array}$$

7663

----

6 ← remainder

$7669 \div 83 = 92 \text{ remainder } 33$

83 |  $\overline{92 \over 7669}$

7636

----

33 ← remainder

## **P<sub>973</sub> 7673**

$$7673 \div 2 = 3836 \text{ remainder } 1$$

$$\begin{array}{r} 3836 \\ 2 \overline{) 7673} \\ \underline{7672} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 3 = 2557 \text{ remainder } 2$$

$$\begin{array}{r} 2557 \\ 3 \overline{) 7673} \\ \underline{7671} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 5 = 1534 \text{ remainder } 3$$

$$\begin{array}{r} 1534 \\ 5 \overline{) 7673} \\ \underline{7670} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 7 = 1096 \text{ remainder } 1$$

$$\begin{array}{r} 1096 \\ 7 \overline{) 7673} \\ \underline{7672} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 11 = 697 \text{ remainder } 6$$

$$\begin{array}{r} 697 \\ 11 \overline{) 7673} \\ \underline{7667} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 13 = 590 \text{ remainder } 3$$

$$\begin{array}{r} 590 \\ 13 \overline{) 7673} \\ \underline{7670} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 17 = 451 \text{ remainder } 6$$

$$\begin{array}{r} 451 \\ 17 \overline{) 7673} \\ \underline{7667} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 19 = 403 \text{ remainder } 16$$

$$\begin{array}{r} 403 \\ 19 \overline{) 7673} \\ \underline{7657} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 23 = 333 \text{ remainder } 14$$

$$\begin{array}{r} 333 \\ 23 \overline{) 7673} \\ \underline{7659} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 29 = 264 \text{ remainder } 17$$

$$\begin{array}{r} 264 \\ 29 \overline{) 7673} \\ \underline{7656} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 31 = 247 \text{ remainder } 16$$

$$\begin{array}{r} 247 \\ 31 \overline{) 7673} \end{array}$$

$$\begin{array}{r} 7657 \\ \text{----} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$7673 \div 37 = 207 \text{ remainder } 14$$

$$\begin{array}{r} 207 \\ 37 \mid \overline{7673} \\ \underline{7659} \\ \text{----} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$7673 \div 41 = 187 \text{ remainder } 6$$

$$\begin{array}{r} 187 \\ 41 \mid \overline{7673} \\ \underline{7667} \\ \text{----} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7673 \div 43 = 178 \text{ remainder } 19$$

$$\begin{array}{r} 178 \\ 43 \mid \overline{7673} \\ \underline{7654} \\ \text{----} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7673 \div 47 = 163 \text{ remainder } 12$$

$$\begin{array}{r} 163 \\ 47 \mid \overline{7673} \\ \underline{7661} \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7673 \div 53 = 144 \text{ remainder } 41$$

$$\begin{array}{r} 144 \\ 53 \mid \overline{7673} \\ \underline{7632} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$7673 \div 59 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7673} \\ \underline{7670} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 61 = 125 \text{ remainder } 48$$

$$\begin{array}{r} 125 \\ 61 \overline{) 7673} \\ \underline{7625} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 67 = 114 \text{ remainder } 35$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7673} \\ \underline{7638} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 71 = 108 \text{ remainder } 5$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7673} \\ \underline{7668} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 73 = 105 \text{ remainder } 8$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7673} \\ \underline{7665} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7673 \div 79 = 97 \text{ remainder } 10$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7673} \end{array}$$

7663

----

10 ← remainder

$7673 \div 83 = 92 \text{ remainder } 37$

83 |  $\begin{array}{r} 92 \\ \overline{7673} \\ 7636 \end{array}$

----

37 ← remainder

## **P<sub>974</sub> 7681**

$$7681 \div 2 = 3840 \text{ remainder } 1$$

$$\begin{array}{r} 3840 \\ 2 \overline{) 7681} \\ \underline{7680} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 3 = 2560 \text{ remainder } 1$$

$$\begin{array}{r} 2560 \\ 3 \overline{) 7681} \\ \underline{7680} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 5 = 1536 \text{ remainder } 1$$

$$\begin{array}{r} 1536 \\ 5 \overline{) 7681} \\ \underline{7680} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 7 = 1097 \text{ remainder } 2$$

$$\begin{array}{r} 1097 \\ 7 \overline{) 7681} \\ \underline{7679} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 11 = 698 \text{ remainder } 3$$

$$\begin{array}{r} 698 \\ 11 \overline{) 7681} \\ \underline{7678} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$7681 \div 13 = 590 \text{ remainder } 11$$

$$\begin{array}{r} 590 \\ 13 \overline{) 7681} \\ \underline{7670} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 17 = 451 \text{ remainder } 14$$

$$\begin{array}{r} 451 \\ 17 \overline{) 7681} \\ \underline{7667} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 19 = 404 \text{ remainder } 5$$

$$\begin{array}{r} 404 \\ 19 \overline{) 7681} \\ \underline{7676} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 23 = 333 \text{ remainder } 22$$

$$\begin{array}{r} 333 \\ 23 \overline{) 7681} \\ \underline{7659} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 29 = 264 \text{ remainder } 25$$

$$\begin{array}{r} 264 \\ 29 \overline{) 7681} \\ \underline{7656} \\ 25 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 31 = 247 \text{ remainder } 24$$

$$\begin{array}{r} 247 \\ 31 \overline{) 7681} \end{array}$$

$$\begin{array}{r}
 7657 \\
 \text{----} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 37 = 207 \text{ remainder } 22$$

$$\begin{array}{r}
 207 \\
 37 \overline{) 7681} \\
 \underline{7659} \phantom{00} \\
 22 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 41 = 187 \text{ remainder } 14$$

$$\begin{array}{r}
 187 \\
 41 \overline{) 7681} \\
 \underline{7667} \phantom{00} \\
 14 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 43 = 178 \text{ remainder } 27$$

$$\begin{array}{r}
 178 \\
 43 \overline{) 7681} \\
 \underline{7654} \phantom{00} \\
 27 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 47 = 163 \text{ remainder } 20$$

$$\begin{array}{r}
 163 \\
 47 \overline{) 7681} \\
 \underline{7661} \phantom{00} \\
 20 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 53 = 144 \text{ remainder } 49$$

$$\begin{array}{r}
 144 \\
 53 \overline{) 7681} \\
 \underline{7632} \phantom{00} \\
 49 \phantom{00} \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 59 = 130 \text{ remainder } 11$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7681} \\ \underline{7670} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 61 = 125 \text{ remainder } 56$$

$$\begin{array}{r} 125 \\ 61 \overline{) 7681} \\ \underline{7625} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 67 = 114 \text{ remainder } 43$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7681} \\ \underline{7638} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 71 = 108 \text{ remainder } 13$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7681} \\ \underline{7668} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 73 = 105 \text{ remainder } 16$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7681} \\ \underline{7665} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7681 \div 79 = 97 \text{ remainder } 18$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7681} \end{array}$$

7663

----

18 ← remainder

$7681 \div 83 = 92 \text{ remainder } 45$

83 |  $\overline{92 \over 7681}$

7636

----

45 ← remainder

## **P<sub>975</sub> 7687**

$$7687 \div 2 = 3843 \text{ remainder } 1$$

$$\begin{array}{r} 3843 \\ 2 \overline{) 7687} \\ \underline{7686} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 3 = 2562 \text{ remainder } 1$$

$$\begin{array}{r} 2562 \\ 3 \overline{) 7687} \\ \underline{7686} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 5 = 1537 \text{ remainder } 2$$

$$\begin{array}{r} 1537 \\ 5 \overline{) 7687} \\ \underline{7685} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 7 = 1098 \text{ remainder } 1$$

$$\begin{array}{r} 1098 \\ 7 \overline{) 7687} \\ \underline{7686} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 11 = 698 \text{ remainder } 9$$

$$\begin{array}{r} 698 \\ 11 \overline{) 7687} \\ \underline{7678} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 13 = 591 \text{ remainder } 4$$

$$\begin{array}{r} 591 \\ 13 \overline{) 7687} \\ \underline{7683} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 17 = 452 \text{ remainder } 3$$

$$\begin{array}{r} 452 \\ 17 \overline{) 7687} \\ \underline{7684} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 19 = 404 \text{ remainder } 11$$

$$\begin{array}{r} 404 \\ 19 \overline{) 7687} \\ \underline{7676} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 23 = 334 \text{ remainder } 5$$

$$\begin{array}{r} 334 \\ 23 \overline{) 7687} \\ \underline{7682} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 29 = 265 \text{ remainder } 2$$

$$\begin{array}{r} 265 \\ 29 \overline{) 7687} \\ \underline{7685} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 31 = 247 \text{ remainder } 30$$

$$\begin{array}{r} 247 \\ 31 \overline{) 7687} \end{array}$$

$$\begin{array}{r} 7657 \\ \text{----} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7687 \div 37 = 207 \text{ remainder } 28$$

$$\begin{array}{r} 207 \\ 37 \mid \overline{7687} \\ \underline{7659} \\ \text{----} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7687 \div 41 = 187 \text{ remainder } 20$$

$$\begin{array}{r} 187 \\ 41 \mid \overline{7687} \\ \underline{7667} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7687 \div 43 = 178 \text{ remainder } 33$$

$$\begin{array}{r} 178 \\ 43 \mid \overline{7687} \\ \underline{7654} \\ \text{----} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7687 \div 47 = 163 \text{ remainder } 26$$

$$\begin{array}{r} 163 \\ 47 \mid \overline{7687} \\ \underline{7661} \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7687 \div 53 = 145 \text{ remainder } 2$$

$$\begin{array}{r} 145 \\ 53 \mid \overline{7687} \\ \underline{7685} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7687 \div 59 = 130 \text{ remainder } 17$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7687} \\ \underline{7670} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 61 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 61 \overline{) 7687} \\ \underline{7686} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 67 = 114 \text{ remainder } 49$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7687} \\ \underline{7638} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 71 = 108 \text{ remainder } 19$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7687} \\ \underline{7668} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 73 = 105 \text{ remainder } 22$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7687} \\ \underline{7665} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7687 \div 79 = 97 \text{ remainder } 24$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7687} \end{array}$$



7663

----

24 ← remainder

$7687 \div 83 = 92 \text{ remainder } 51$

83 |  $\overline{92 \over 7687}$

7636

----

51 ← remainder

## **P<sub>976</sub> 7691**

$$7691 \div 2 = 3845 \text{ remainder } 1$$

$$\begin{array}{r} 3845 \\ 2 \overline{) 7691} \\ \underline{7690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 3 = 2563 \text{ remainder } 2$$

$$\begin{array}{r} 2563 \\ 3 \overline{) 7691} \\ \underline{7689} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 5 = 1538 \text{ remainder } 1$$

$$\begin{array}{r} 1538 \\ 5 \overline{) 7691} \\ \underline{7690} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 7 = 1098 \text{ remainder } 5$$

$$\begin{array}{r} 1098 \\ 7 \overline{) 7691} \\ \underline{7686} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 11 = 699 \text{ remainder } 2$$

$$\begin{array}{r} 699 \\ 11 \overline{) 7691} \\ \underline{7689} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 13 = 591 \text{ remainder } 8$$

$$\begin{array}{r} 591 \\ 13 \overline{) 7691} \\ \underline{7683} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 17 = 452 \text{ remainder } 7$$

$$\begin{array}{r} 452 \\ 17 \overline{) 7691} \\ \underline{7684} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 19 = 404 \text{ remainder } 15$$

$$\begin{array}{r} 404 \\ 19 \overline{) 7691} \\ \underline{7676} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 23 = 334 \text{ remainder } 9$$

$$\begin{array}{r} 334 \\ 23 \overline{) 7691} \\ \underline{7682} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 29 = 265 \text{ remainder } 6$$

$$\begin{array}{r} 265 \\ 29 \overline{) 7691} \\ \underline{7685} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 31 = 248 \text{ remainder } 3$$

$$\begin{array}{r} 248 \\ 31 \overline{) 7691} \end{array}$$

$$\begin{array}{r} 7688 \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7691 \div 37 = 207 \text{ remainder } 32$$

$$\begin{array}{r} 207 \\ 37 \overline{) 7691} \\ \underline{7659} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7691 \div 41 = 187 \text{ remainder } 24$$

$$\begin{array}{r} 187 \\ 41 \overline{) 7691} \\ \underline{7667} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7691 \div 43 = 178 \text{ remainder } 37$$

$$\begin{array}{r} 178 \\ 43 \overline{) 7691} \\ \underline{7654} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$7691 \div 47 = 163 \text{ remainder } 30$$

$$\begin{array}{r} 163 \\ 47 \overline{) 7691} \\ \underline{7661} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7691 \div 53 = 145 \text{ remainder } 6$$

$$\begin{array}{r} 145 \\ 53 \overline{) 7691} \\ \underline{7685} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7691 \div 59 = 130 \text{ remainder } 21$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7691} \\ \underline{7670} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 61 = 126 \text{ remainder } 5$$

$$\begin{array}{r} 126 \\ 61 \overline{) 7691} \\ \underline{7686} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 67 = 114 \text{ remainder } 53$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7691} \\ \underline{7638} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 71 = 108 \text{ remainder } 23$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7691} \\ \underline{7668} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 73 = 105 \text{ remainder } 26$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7691} \\ \underline{7665} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$7691 \div 79 = 97 \text{ remainder } 28$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7691} \end{array}$$

7663

----

28 ← remainder

$$7691 \div 83 = 92 \text{ remainder } 55$$

$$\begin{array}{r} 92 \\ 83 \overline{) 7691} \\ \underline{7636} \end{array}$$

----

55 ← remainder

## **P<sub>977</sub> 7699**

$$7699 \div 2 = 3849 \text{ remainder } 1$$

$$\begin{array}{r} 3849 \\ 2 \overline{) 7699} \\ \underline{7698} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 3 = 2566 \text{ remainder } 1$$

$$\begin{array}{r} 2566 \\ 3 \overline{) 7699} \\ \underline{7698} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 5 = 1539 \text{ remainder } 4$$

$$\begin{array}{r} 1539 \\ 5 \overline{) 7699} \\ \underline{7695} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 7 = 1099 \text{ remainder } 6$$

$$\begin{array}{r} 1099 \\ 7 \overline{) 7699} \\ \underline{7693} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 11 = 699 \text{ remainder } 10$$

$$\begin{array}{r} 699 \\ 11 \overline{) 7699} \\ \underline{7689} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 13 = 592 \text{ remainder } 3$$

$$\begin{array}{r} 592 \\ 13 \overline{) 7699} \\ \underline{7696} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 17 = 452 \text{ remainder } 15$$

$$\begin{array}{r} 452 \\ 17 \overline{) 7699} \\ \underline{7684} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 19 = 405 \text{ remainder } 4$$

$$\begin{array}{r} 405 \\ 19 \overline{) 7699} \\ \underline{7695} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 23 = 334 \text{ remainder } 17$$

$$\begin{array}{r} 334 \\ 23 \overline{) 7699} \\ \underline{7682} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 29 = 265 \text{ remainder } 14$$

$$\begin{array}{r} 265 \\ 29 \overline{) 7699} \\ \underline{7685} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 31 = 248 \text{ remainder } 11$$

$$\begin{array}{r} 248 \\ 31 \overline{) 7699} \end{array}$$



7688  
 ----  
 11 ← remainder

$$7699 \div 37 = 208 \text{ remainder } 3$$

208  
 37 | 7699  
 7696  
 ----  
 3 ← remainder

$$7699 \div 41 = 187 \text{ remainder } 32$$

187  
 41 | 7699  
 7667  
 ----  
 32 ← remainder

$$7699 \div 43 = 179 \text{ remainder } 2$$

179  
 43 | 7699  
 7697  
 ----  
 2 ← remainder

$$7699 \div 47 = 163 \text{ remainder } 38$$

163  
 47 | 7699  
 7661  
 ----  
 38 ← remainder

$$7699 \div 53 = 145 \text{ remainder } 14$$

145  
 53 | 7699  
 7685  
 ----  
 14 ← remainder

$$7699 \div 59 = 130 \text{ remainder } 29$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7699} \\ \underline{7670} \phantom{00} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 61 = 126 \text{ remainder } 13$$

$$\begin{array}{r} 126 \\ 61 \overline{) 7699} \\ \underline{7686} \phantom{00} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 67 = 114 \text{ remainder } 61$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7699} \\ \underline{7638} \phantom{00} \\ 61 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 71 = 108 \text{ remainder } 31$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7699} \\ \underline{7668} \phantom{00} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 73 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7699} \\ \underline{7665} \phantom{00} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$7699 \div 79 = 97 \text{ remainder } 36$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7699} \end{array}$$

7663

----

36 ← remainder

$7699 \div 83 = 92 \text{ remainder } 63$

83 |  $\overline{92}$   
 $\overline{7699}$   
 $\overline{7636}$

----

63 ← remainder

## **P<sub>978</sub> 7703**

$$7703 \div 2 = 3851 \text{ remainder } 1$$

$$\begin{array}{r} 3851 \\ 2 \overline{) 7703} \\ \underline{7702} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 3 = 2567 \text{ remainder } 2$$

$$\begin{array}{r} 2567 \\ 3 \overline{) 7703} \\ \underline{7701} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 5 = 1540 \text{ remainder } 3$$

$$\begin{array}{r} 1540 \\ 5 \overline{) 7703} \\ \underline{7700} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 7 = 1100 \text{ remainder } 3$$

$$\begin{array}{r} 1100 \\ 7 \overline{) 7703} \\ \underline{7700} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 11 = 700 \text{ remainder } 3$$

$$\begin{array}{r} 700 \\ 11 \overline{) 7703} \\ \underline{7700} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 13 = 592 \text{ remainder } 7$$

$$\begin{array}{r} 592 \\ 13 \overline{) 7703} \\ \underline{7696} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 17 = 453 \text{ remainder } 2$$

$$\begin{array}{r} 453 \\ 17 \overline{) 7703} \\ \underline{7701} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 19 = 405 \text{ remainder } 8$$

$$\begin{array}{r} 405 \\ 19 \overline{) 7703} \\ \underline{7695} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 23 = 334 \text{ remainder } 21$$

$$\begin{array}{r} 334 \\ 23 \overline{) 7703} \\ \underline{7682} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 29 = 265 \text{ remainder } 18$$

$$\begin{array}{r} 265 \\ 29 \overline{) 7703} \\ \underline{7685} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 31 = 248 \text{ remainder } 15$$

$$\begin{array}{r} 248 \\ 31 \overline{) 7703} \end{array}$$

```

7688
----
15 ← remainder

```

$$7703 \div 37 = 208 \text{ remainder } 7$$

```

      208
37 | 7703
    7696
    ----
      7 ← remainder

```

$$7703 \div 41 = 187 \text{ remainder } 36$$

```

      187
41 | 7703
    7667
    ----
     36 ← remainder

```

$$7703 \div 43 = 179 \text{ remainder } 6$$

```

      179
43 | 7703
    7697
    ----
      6 ← remainder

```

$$7703 \div 47 = 163 \text{ remainder } 42$$

```

      163
47 | 7703
    7661
    ----
     42 ← remainder

```

$$7703 \div 53 = 145 \text{ remainder } 18$$

```

      145
53 | 7703
    7685
    ----
     18 ← remainder

```

$$7703 \div 59 = 130 \text{ remainder } 33$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7703} \\ \underline{7670} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 61 = 126 \text{ remainder } 17$$

$$\begin{array}{r} 126 \\ 61 \overline{) 7703} \\ \underline{7686} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 67 = 114 \text{ remainder } 65$$

$$\begin{array}{r} 114 \\ 67 \overline{) 7703} \\ \underline{7638} \\ 65 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 71 = 108 \text{ remainder } 35$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7703} \\ \underline{7668} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 73 = 105 \text{ remainder } 38$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7703} \\ \underline{7665} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7703 \div 79 = 97 \text{ remainder } 40$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7703} \end{array}$$

7663

----

40 ← remainder

$7703 \div 83 = 92 \text{ remainder } 67$

83 |  $\begin{array}{r} 92 \\ \overline{7703} \\ 7636 \end{array}$

----

67 ← remainder



## **P<sub>979</sub> 7717**

$$7717 \div 2 = 3858 \text{ remainder } 1$$

$$\begin{array}{r} 3858 \\ 2 \overline{) 7717} \\ \underline{7716} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 3 = 2572 \text{ remainder } 1$$

$$\begin{array}{r} 2572 \\ 3 \overline{) 7717} \\ \underline{7716} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 5 = 1543 \text{ remainder } 2$$

$$\begin{array}{r} 1543 \\ 5 \overline{) 7717} \\ \underline{7715} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 7 = 1102 \text{ remainder } 3$$

$$\begin{array}{r} 1102 \\ 7 \overline{) 7717} \\ \underline{7714} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 11 = 701 \text{ remainder } 6$$

$$\begin{array}{r} 701 \\ 11 \overline{) 7717} \\ \underline{7711} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 13 = 593 \text{ remainder } 8$$

$$\begin{array}{r} 593 \\ 13 \overline{) 7717} \\ \underline{7709} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 17 = 453 \text{ remainder } 16$$

$$\begin{array}{r} 453 \\ 17 \overline{) 7717} \\ \underline{7701} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 19 = 406 \text{ remainder } 3$$

$$\begin{array}{r} 406 \\ 19 \overline{) 7717} \\ \underline{7714} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 23 = 335 \text{ remainder } 12$$

$$\begin{array}{r} 335 \\ 23 \overline{) 7717} \\ \underline{7705} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 29 = 266 \text{ remainder } 3$$

$$\begin{array}{r} 266 \\ 29 \overline{) 7717} \\ \underline{7714} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 31 = 248 \text{ remainder } 29$$

$$\begin{array}{r} 248 \\ 31 \overline{) 7717} \end{array}$$

$$\begin{array}{r} 7688 \\ \text{----} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7717 \div 37 = 208 \text{ remainder } 21$$

$$\begin{array}{r} 208 \\ 37 \mid \overline{7717} \\ \underline{7696} \\ \text{----} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$7717 \div 41 = 188 \text{ remainder } 9$$

$$\begin{array}{r} 188 \\ 41 \mid \overline{7717} \\ \underline{7708} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7717 \div 43 = 179 \text{ remainder } 20$$

$$\begin{array}{r} 179 \\ 43 \mid \overline{7717} \\ \underline{7697} \\ \text{----} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7717 \div 47 = 164 \text{ remainder } 9$$

$$\begin{array}{r} 164 \\ 47 \mid \overline{7717} \\ \underline{7708} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7717 \div 53 = 145 \text{ remainder } 32$$

$$\begin{array}{r} 145 \\ 53 \mid \overline{7717} \\ \underline{7685} \\ \text{----} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7717 \div 59 = 130 \text{ remainder } 47$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7717} \\ \underline{7670} \\ 47 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 61 = 126 \text{ remainder } 31$$

$$\begin{array}{r} 126 \\ 61 \overline{) 7717} \\ \underline{7686} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 67 = 115 \text{ remainder } 12$$

$$\begin{array}{r} 115 \\ 67 \overline{) 7717} \\ \underline{7705} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 71 = 108 \text{ remainder } 49$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7717} \\ \underline{7668} \\ 49 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 73 = 105 \text{ remainder } 52$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7717} \\ \underline{7665} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$7717 \div 79 = 97 \text{ remainder } 54$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7717} \end{array}$$

7663

----

54 ← remainder

$7717 \div 83 = 92 \text{ remainder } 81$

83 |  $\overline{92 \over 7717}$   
7636

----

81 ← remainder

## **P<sub>980</sub> 7723**

$$7723 \div 2 = 3861 \text{ remainder } 1$$

$$\begin{array}{r} 3861 \\ 2 \overline{) 7723} \\ \underline{7722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 3 = 2574 \text{ remainder } 1$$

$$\begin{array}{r} 2574 \\ 3 \overline{) 7723} \\ \underline{7722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 5 = 1544 \text{ remainder } 3$$

$$\begin{array}{r} 1544 \\ 5 \overline{) 7723} \\ \underline{7720} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 7 = 1103 \text{ remainder } 2$$

$$\begin{array}{r} 1103 \\ 7 \overline{) 7723} \\ \underline{7721} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 11 = 702 \text{ remainder } 1$$

$$\begin{array}{r} 702 \\ 11 \overline{) 7723} \\ \underline{7722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 13 = 594 \text{ remainder } 1$$

$$\begin{array}{r} 594 \\ 13 \overline{) 7723} \\ \underline{7722} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 17 = 454 \text{ remainder } 5$$

$$\begin{array}{r} 454 \\ 17 \overline{) 7723} \\ \underline{7718} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 19 = 406 \text{ remainder } 9$$

$$\begin{array}{r} 406 \\ 19 \overline{) 7723} \\ \underline{7714} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 23 = 335 \text{ remainder } 18$$

$$\begin{array}{r} 335 \\ 23 \overline{) 7723} \\ \underline{7705} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 29 = 266 \text{ remainder } 9$$

$$\begin{array}{r} 266 \\ 29 \overline{) 7723} \\ \underline{7714} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 31 = 249 \text{ remainder } 4$$

$$\begin{array}{r} 249 \\ 31 \overline{) 7723} \end{array}$$

7719

----

4 ← remainder

$$7723 \div 37 = 208 \text{ remainder } 27$$

$$\begin{array}{r} 208 \\ 37 \overline{) 7723} \\ \underline{7696} \end{array}$$

----

27 ← remainder

$$7723 \div 41 = 188 \text{ remainder } 15$$

$$\begin{array}{r} 188 \\ 41 \overline{) 7723} \\ \underline{7708} \end{array}$$

----

15 ← remainder

$$7723 \div 43 = 179 \text{ remainder } 26$$

$$\begin{array}{r} 179 \\ 43 \overline{) 7723} \\ \underline{7697} \end{array}$$

----

26 ← remainder

$$7723 \div 47 = 164 \text{ remainder } 15$$

$$\begin{array}{r} 164 \\ 47 \overline{) 7723} \\ \underline{7708} \end{array}$$

----

15 ← remainder

$$7723 \div 53 = 145 \text{ remainder } 38$$

$$\begin{array}{r} 145 \\ 53 \overline{) 7723} \\ \underline{7685} \end{array}$$

----

38 ← remainder



$$7723 \div 59 = 130 \text{ remainder } 53$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7723} \\ \underline{7670} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 61 = 126 \text{ remainder } 37$$

$$\begin{array}{r} 126 \\ 61 \overline{) 7723} \\ \underline{7686} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 67 = 115 \text{ remainder } 18$$

$$\begin{array}{r} 115 \\ 67 \overline{) 7723} \\ \underline{7705} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 71 = 108 \text{ remainder } 55$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7723} \\ \underline{7668} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 73 = 105 \text{ remainder } 58$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7723} \\ \underline{7665} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$7723 \div 79 = 97 \text{ remainder } 60$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7723} \end{array}$$

7663

----

60 ← remainder

$$7723 \div 83 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 83 \overline{) 7723} \\ \underline{7719} \end{array}$$

----

4 ← remainder

## **P<sub>981</sub> 7727**

$$7727 \div 2 = 3863 \text{ remainder } 1$$

$$\begin{array}{r} 3863 \\ 2 \overline{) 7727} \\ \underline{7726} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 3 = 2575 \text{ remainder } 2$$

$$\begin{array}{r} 2575 \\ 3 \overline{) 7727} \\ \underline{7725} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 5 = 1545 \text{ remainder } 2$$

$$\begin{array}{r} 1545 \\ 5 \overline{) 7727} \\ \underline{7725} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 7 = 1103 \text{ remainder } 6$$

$$\begin{array}{r} 1103 \\ 7 \overline{) 7727} \\ \underline{7721} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 11 = 702 \text{ remainder } 5$$

$$\begin{array}{r} 702 \\ 11 \overline{) 7727} \\ \underline{7722} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 13 = 594 \text{ remainder } 5$$

$$\begin{array}{r} 594 \\ 13 \overline{) 7727} \\ \underline{7722} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 17 = 454 \text{ remainder } 9$$

$$\begin{array}{r} 454 \\ 17 \overline{) 7727} \\ \underline{7718} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 19 = 406 \text{ remainder } 13$$

$$\begin{array}{r} 406 \\ 19 \overline{) 7727} \\ \underline{7714} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 23 = 335 \text{ remainder } 22$$

$$\begin{array}{r} 335 \\ 23 \overline{) 7727} \\ \underline{7705} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 29 = 266 \text{ remainder } 13$$

$$\begin{array}{r} 266 \\ 29 \overline{) 7727} \\ \underline{7714} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 31 = 249 \text{ remainder } 8$$

$$\begin{array}{r} 249 \\ 31 \overline{) 7727} \end{array}$$

$$\begin{array}{r} 7719 \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7727 \div 37 = 208 \text{ remainder } 31$$

$$\begin{array}{r} 208 \\ 37 \overline{) 7727} \\ \underline{7696} \\ - - - - \\ 31 \leftarrow \text{remainder} \end{array}$$

$$7727 \div 41 = 188 \text{ remainder } 19$$

$$\begin{array}{r} 188 \\ 41 \overline{) 7727} \\ \underline{7708} \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7727 \div 43 = 179 \text{ remainder } 30$$

$$\begin{array}{r} 179 \\ 43 \overline{) 7727} \\ \underline{7697} \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7727 \div 47 = 164 \text{ remainder } 19$$

$$\begin{array}{r} 164 \\ 47 \overline{) 7727} \\ \underline{7708} \\ - - - - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7727 \div 53 = 145 \text{ remainder } 42$$

$$\begin{array}{r} 145 \\ 53 \overline{) 7727} \\ \underline{7685} \\ - - - - \\ 42 \leftarrow \text{remainder} \end{array}$$

$$7727 \div 59 = 130 \text{ remainder } 57$$

$$\begin{array}{r} 130 \\ 59 \overline{) 7727} \\ \underline{7670} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 61 = 126 \text{ remainder } 41$$

$$\begin{array}{r} 126 \\ 61 \overline{) 7727} \\ \underline{7686} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 67 = 115 \text{ remainder } 22$$

$$\begin{array}{r} 115 \\ 67 \overline{) 7727} \\ \underline{7705} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 71 = 108 \text{ remainder } 59$$

$$\begin{array}{r} 108 \\ 71 \overline{) 7727} \\ \underline{7668} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 73 = 105 \text{ remainder } 62$$

$$\begin{array}{r} 105 \\ 73 \overline{) 7727} \\ \underline{7665} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$7727 \div 79 = 97 \text{ remainder } 64$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7727} \end{array}$$

7663

----

64 ← remainder

$$7727 \div 83 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 83 \overline{) 7727} \\ \underline{7719} \end{array}$$

----

8 ← remainder

## **P<sub>982</sub> 7741**

$$7741 \div 2 = 3870 \text{ remainder } 1$$

$$\begin{array}{r} 3870 \\ 2 \overline{) 7741} \\ \underline{7740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 3 = 2580 \text{ remainder } 1$$

$$\begin{array}{r} 2580 \\ 3 \overline{) 7741} \\ \underline{7740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 5 = 1548 \text{ remainder } 1$$

$$\begin{array}{r} 1548 \\ 5 \overline{) 7741} \\ \underline{7740} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 7 = 1105 \text{ remainder } 6$$

$$\begin{array}{r} 1105 \\ 7 \overline{) 7741} \\ \underline{7735} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 11 = 703 \text{ remainder } 8$$

$$\begin{array}{r} 703 \\ 11 \overline{) 7741} \\ \underline{7733} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$7741 \div 13 = 595 \text{ remainder } 6$$

$$\begin{array}{r} 595 \\ 13 \overline{) 7741} \\ \underline{7735} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 17 = 455 \text{ remainder } 6$$

$$\begin{array}{r} 455 \\ 17 \overline{) 7741} \\ \underline{7735} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 19 = 407 \text{ remainder } 8$$

$$\begin{array}{r} 407 \\ 19 \overline{) 7741} \\ \underline{7733} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 23 = 336 \text{ remainder } 13$$

$$\begin{array}{r} 336 \\ 23 \overline{) 7741} \\ \underline{7728} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 29 = 266 \text{ remainder } 27$$

$$\begin{array}{r} 266 \\ 29 \overline{) 7741} \\ \underline{7714} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 31 = 249 \text{ remainder } 22$$

$$\begin{array}{r} 249 \\ 31 \overline{) 7741} \end{array}$$

```

7719
----
22 ← remainder

```

$$7741 \div 37 = 209 \text{ remainder } 8$$

```

      209
37 | 7741
    7733
    ----
      8 ← remainder

```

$$7741 \div 41 = 188 \text{ remainder } 33$$

```

      188
41 | 7741
    7708
    ----
     33 ← remainder

```

$$7741 \div 43 = 180 \text{ remainder } 1$$

```

      180
43 | 7741
    7740
    ----
      1 ← remainder

```

$$7741 \div 47 = 164 \text{ remainder } 33$$

```

      164
47 | 7741
    7708
    ----
     33 ← remainder

```

$$7741 \div 53 = 146 \text{ remainder } 3$$

```

      146
53 | 7741
    7738
    ----
      3 ← remainder

```

$$7741 \div 59 = 131 \text{ remainder } 12$$

$$\begin{array}{r} 131 \\ 59 \overline{) 7741} \\ \underline{7729} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 61 = 126 \text{ remainder } 55$$

$$\begin{array}{r} 126 \\ 61 \overline{) 7741} \\ \underline{7686} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 67 = 115 \text{ remainder } 36$$

$$\begin{array}{r} 115 \\ 67 \overline{) 7741} \\ \underline{7705} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 71 = 109 \text{ remainder } 2$$

$$\begin{array}{r} 109 \\ 71 \overline{) 7741} \\ \underline{7739} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 73 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 73 \overline{) 7741} \\ \underline{7738} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7741 \div 79 = 97 \text{ remainder } 78$$

$$\begin{array}{r} 97 \\ 79 \overline{) 7741} \end{array}$$

7663

----

78 ← remainder

$$7741 \div 83 = 93 \text{ remainder } 22$$

$$\begin{array}{r} 93 \\ 83 \overline{) 7741} \\ \underline{7719} \end{array}$$

----

22 ← remainder

## **P<sub>983</sub> 7753**

$$7753 \div 2 = 3876 \text{ remainder } 1$$

$$\begin{array}{r} 3876 \\ 2 \overline{) 7753} \\ \underline{7752} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 3 = 2584 \text{ remainder } 1$$

$$\begin{array}{r} 2584 \\ 3 \overline{) 7753} \\ \underline{7752} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 5 = 1550 \text{ remainder } 3$$

$$\begin{array}{r} 1550 \\ 5 \overline{) 7753} \\ \underline{7750} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 7 = 1107 \text{ remainder } 4$$

$$\begin{array}{r} 1107 \\ 7 \overline{) 7753} \\ \underline{7749} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 11 = 704 \text{ remainder } 9$$

$$\begin{array}{r} 704 \\ 11 \overline{) 7753} \\ \underline{7744} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 13 = 596 \text{ remainder } 5$$

$$\begin{array}{r} 596 \\ 13 \overline{) 7753} \\ \underline{7748} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 17 = 456 \text{ remainder } 1$$

$$\begin{array}{r} 456 \\ 17 \overline{) 7753} \\ \underline{7752} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 19 = 408 \text{ remainder } 1$$

$$\begin{array}{r} 408 \\ 19 \overline{) 7753} \\ \underline{7752} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 23 = 337 \text{ remainder } 2$$

$$\begin{array}{r} 337 \\ 23 \overline{) 7753} \\ \underline{7751} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 29 = 267 \text{ remainder } 10$$

$$\begin{array}{r} 267 \\ 29 \overline{) 7753} \\ \underline{7743} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 31 = 250 \text{ remainder } 3$$

$$\begin{array}{r} 250 \\ 31 \overline{) 7753} \end{array}$$

$$\begin{array}{r} 7750 \\ ---- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7753 \div 37 = 209 \text{ remainder } 20$$

$$\begin{array}{r} 209 \\ 37 \overline{) 7753} \\ \underline{7733} \\ ---- \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7753 \div 41 = 189 \text{ remainder } 4$$

$$\begin{array}{r} 189 \\ 41 \overline{) 7753} \\ \underline{7749} \\ ---- \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7753 \div 43 = 180 \text{ remainder } 13$$

$$\begin{array}{r} 180 \\ 43 \overline{) 7753} \\ \underline{7740} \\ ---- \\ 13 \leftarrow \text{remainder} \end{array}$$

$$7753 \div 47 = 164 \text{ remainder } 45$$

$$\begin{array}{r} 164 \\ 47 \overline{) 7753} \\ \underline{7708} \\ ---- \\ 45 \leftarrow \text{remainder} \end{array}$$

$$7753 \div 53 = 146 \text{ remainder } 15$$

$$\begin{array}{r} 146 \\ 53 \overline{) 7753} \\ \underline{7738} \\ ---- \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7753 \div 59 = 131 \text{ remainder } 24$$

$$\begin{array}{r} 131 \\ 59 \overline{) 7753} \\ \underline{7729} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 61 = 127 \text{ remainder } 6$$

$$\begin{array}{r} 127 \\ 61 \overline{) 7753} \\ \underline{7747} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 67 = 115 \text{ remainder } 48$$

$$\begin{array}{r} 115 \\ 67 \overline{) 7753} \\ \underline{7705} \\ 48 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 71 = 109 \text{ remainder } 14$$

$$\begin{array}{r} 109 \\ 71 \overline{) 7753} \\ \underline{7739} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 73 = 106 \text{ remainder } 15$$

$$\begin{array}{r} 106 \\ 73 \overline{) 7753} \\ \underline{7738} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7753 \div 79 = 98 \text{ remainder } 11$$

$$\begin{array}{r} 98 \\ 79 \overline{) 7753} \end{array}$$



7742

----

11 ← remainder

$7753 \div 83 = 93 \text{ remainder } 34$

83 |  $\overline{93 \over 7753}$   
7719

----

34 ← remainder

## **P<sub>984</sub> 7757**

$$7757 \div 2 = 3878 \text{ remainder } 1$$

$$\begin{array}{r} 3878 \\ 2 \overline{) 7757} \\ \underline{7756} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 3 = 2585 \text{ remainder } 2$$

$$\begin{array}{r} 2585 \\ 3 \overline{) 7757} \\ \underline{7755} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 5 = 1551 \text{ remainder } 2$$

$$\begin{array}{r} 1551 \\ 5 \overline{) 7757} \\ \underline{7755} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 7 = 1108 \text{ remainder } 1$$

$$\begin{array}{r} 1108 \\ 7 \overline{) 7757} \\ \underline{7756} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 11 = 705 \text{ remainder } 2$$

$$\begin{array}{r} 705 \\ 11 \overline{) 7757} \\ \underline{7755} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 13 = 596 \text{ remainder } 9$$

$$\begin{array}{r} 596 \\ 13 \overline{) 7757} \\ \underline{7748} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 17 = 456 \text{ remainder } 5$$

$$\begin{array}{r} 456 \\ 17 \overline{) 7757} \\ \underline{7752} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 19 = 408 \text{ remainder } 5$$

$$\begin{array}{r} 408 \\ 19 \overline{) 7757} \\ \underline{7752} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 23 = 337 \text{ remainder } 6$$

$$\begin{array}{r} 337 \\ 23 \overline{) 7757} \\ \underline{7751} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 29 = 267 \text{ remainder } 14$$

$$\begin{array}{r} 267 \\ 29 \overline{) 7757} \\ \underline{7743} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 31 = 250 \text{ remainder } 7$$

$$\begin{array}{r} 250 \\ 31 \overline{) 7757} \end{array}$$

$$\begin{array}{r} 7750 \\ - - - - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$7757 \div 37 = 209 \text{ remainder } 24$$

$$\begin{array}{r} 209 \\ 37 \overline{) 7757} \\ \underline{7733} \phantom{00} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7757 \div 41 = 189 \text{ remainder } 8$$

$$\begin{array}{r} 189 \\ 41 \overline{) 7757} \\ \underline{7749} \phantom{00} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7757 \div 43 = 180 \text{ remainder } 17$$

$$\begin{array}{r} 180 \\ 43 \overline{) 7757} \\ \underline{7740} \phantom{00} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7757 \div 47 = 165 \text{ remainder } 2$$

$$\begin{array}{r} 165 \\ 47 \overline{) 7757} \\ \underline{7755} \phantom{00} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7757 \div 53 = 146 \text{ remainder } 19$$

$$\begin{array}{r} 146 \\ 53 \overline{) 7757} \\ \underline{7738} \phantom{00} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7757 \div 59 = 131 \text{ remainder } 28$$

$$\begin{array}{r} 131 \\ 59 \overline{) 7757} \\ \underline{7729} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 61 = 127 \text{ remainder } 10$$

$$\begin{array}{r} 127 \\ 61 \overline{) 7757} \\ \underline{7747} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 67 = 115 \text{ remainder } 52$$

$$\begin{array}{r} 115 \\ 67 \overline{) 7757} \\ \underline{7705} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 71 = 109 \text{ remainder } 18$$

$$\begin{array}{r} 109 \\ 71 \overline{) 7757} \\ \underline{7739} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 73 = 106 \text{ remainder } 19$$

$$\begin{array}{r} 106 \\ 73 \overline{) 7757} \\ \underline{7738} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7757 \div 79 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 79 \overline{) 7757} \end{array}$$

7742

----

15 ← remainder

$7757 \div 83 = 93 \text{ remainder } 38$

83 |  $\overline{93 \over 7757}$

7719

----

38 ← remainder

## **P<sub>985</sub> 7759**

$$7759 \div 2 = 3879 \text{ remainder } 1$$

$$\begin{array}{r} 3879 \\ 2 \overline{) 7759} \\ \underline{7758} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 3 = 2586 \text{ remainder } 1$$

$$\begin{array}{r} 2586 \\ 3 \overline{) 7759} \\ \underline{7758} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 5 = 1551 \text{ remainder } 4$$

$$\begin{array}{r} 1551 \\ 5 \overline{) 7759} \\ \underline{7755} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 7 = 1108 \text{ remainder } 3$$

$$\begin{array}{r} 1108 \\ 7 \overline{) 7759} \\ \underline{7756} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 11 = 705 \text{ remainder } 4$$

$$\begin{array}{r} 705 \\ 11 \overline{) 7759} \\ \underline{7755} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 13 = 596 \text{ remainder } 11$$

$$\begin{array}{r} 596 \\ 13 \overline{) 7759} \\ \underline{7748} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 17 = 456 \text{ remainder } 7$$

$$\begin{array}{r} 456 \\ 17 \overline{) 7759} \\ \underline{7752} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 19 = 408 \text{ remainder } 7$$

$$\begin{array}{r} 408 \\ 19 \overline{) 7759} \\ \underline{7752} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 23 = 337 \text{ remainder } 8$$

$$\begin{array}{r} 337 \\ 23 \overline{) 7759} \\ \underline{7751} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 29 = 267 \text{ remainder } 16$$

$$\begin{array}{r} 267 \\ 29 \overline{) 7759} \\ \underline{7743} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 31 = 250 \text{ remainder } 9$$

$$\begin{array}{r} 250 \\ 31 \overline{) 7759} \end{array}$$



$$\begin{array}{r} 7750 \\ - - - - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7759 \div 37 = 209 \text{ remainder } 26$$

$$\begin{array}{r} 209 \\ 37 \overline{) 7759} \\ \underline{7733} \phantom{00} \\ 26 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7759 \div 41 = 189 \text{ remainder } 10$$

$$\begin{array}{r} 189 \\ 41 \overline{) 7759} \\ \underline{7749} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7759 \div 43 = 180 \text{ remainder } 19$$

$$\begin{array}{r} 180 \\ 43 \overline{) 7759} \\ \underline{7740} \phantom{00} \\ 19 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7759 \div 47 = 165 \text{ remainder } 4$$

$$\begin{array}{r} 165 \\ 47 \overline{) 7759} \\ \underline{7755} \phantom{00} \\ 4 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7759 \div 53 = 146 \text{ remainder } 21$$

$$\begin{array}{r} 146 \\ 53 \overline{) 7759} \\ \underline{7738} \phantom{00} \\ 21 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7759 \div 59 = 131 \text{ remainder } 30$$

$$\begin{array}{r} 131 \\ 59 \overline{) 7759} \\ \underline{7729} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 61 = 127 \text{ remainder } 12$$

$$\begin{array}{r} 127 \\ 61 \overline{) 7759} \\ \underline{7747} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 67 = 115 \text{ remainder } 54$$

$$\begin{array}{r} 115 \\ 67 \overline{) 7759} \\ \underline{7705} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 71 = 109 \text{ remainder } 20$$

$$\begin{array}{r} 109 \\ 71 \overline{) 7759} \\ \underline{7739} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 73 = 106 \text{ remainder } 21$$

$$\begin{array}{r} 106 \\ 73 \overline{) 7759} \\ \underline{7738} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7759 \div 79 = 98 \text{ remainder } 17$$

$$\begin{array}{r} 98 \\ 79 \overline{) 7759} \end{array}$$

7742

----

17 ← remainder

$7759 \div 83 = 93 \text{ remainder } 40$

83 |  $\overline{93 \over 7759}$

7719

----

40 ← remainder

## **P<sub>986</sub> 7789**

$$7789 \div 2 = 3894 \text{ remainder } 1$$

$$\begin{array}{r} 3894 \\ 2 \overline{) 7789} \\ \underline{7788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 3 = 2596 \text{ remainder } 1$$

$$\begin{array}{r} 2596 \\ 3 \overline{) 7789} \\ \underline{7788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 5 = 1557 \text{ remainder } 4$$

$$\begin{array}{r} 1557 \\ 5 \overline{) 7789} \\ \underline{7785} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 7 = 1112 \text{ remainder } 5$$

$$\begin{array}{r} 1112 \\ 7 \overline{) 7789} \\ \underline{7784} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 11 = 708 \text{ remainder } 1$$

$$\begin{array}{r} 708 \\ 11 \overline{) 7789} \\ \underline{7788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 13 = 599 \text{ remainder } 2$$

$$\begin{array}{r} 599 \\ 13 \overline{) 7789} \\ \underline{7787} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 17 = 458 \text{ remainder } 3$$

$$\begin{array}{r} 458 \\ 17 \overline{) 7789} \\ \underline{7786} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 19 = 409 \text{ remainder } 18$$

$$\begin{array}{r} 409 \\ 19 \overline{) 7789} \\ \underline{7771} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 23 = 338 \text{ remainder } 15$$

$$\begin{array}{r} 338 \\ 23 \overline{) 7789} \\ \underline{7774} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 29 = 268 \text{ remainder } 17$$

$$\begin{array}{r} 268 \\ 29 \overline{) 7789} \\ \underline{7772} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 31 = 251 \text{ remainder } 8$$

$$\begin{array}{r} 251 \\ 31 \overline{) 7789} \end{array}$$

$$\begin{array}{r} 7781 \\ ---- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7789 \div 37 = 210 \text{ remainder } 19$$

$$\begin{array}{r} 210 \\ 37 \overline{) 7789} \\ \underline{7770} \\ 19 \\ ---- \\ 19 \leftarrow \text{remainder} \end{array}$$

$$7789 \div 41 = 189 \text{ remainder } 40$$

$$\begin{array}{r} 189 \\ 41 \overline{) 7789} \\ \underline{7749} \\ 40 \\ ---- \\ 40 \leftarrow \text{remainder} \end{array}$$

$$7789 \div 43 = 181 \text{ remainder } 6$$

$$\begin{array}{r} 181 \\ 43 \overline{) 7789} \\ \underline{7783} \\ 6 \\ ---- \\ 6 \leftarrow \text{remainder} \end{array}$$

$$7789 \div 47 = 165 \text{ remainder } 34$$

$$\begin{array}{r} 165 \\ 47 \overline{) 7789} \\ \underline{7755} \\ 34 \\ ---- \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7789 \div 53 = 146 \text{ remainder } 51$$

$$\begin{array}{r} 146 \\ 53 \overline{) 7789} \\ \underline{7738} \\ 51 \\ ---- \\ 51 \leftarrow \text{remainder} \end{array}$$

$$7789 \div 59 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 59 \overline{) 7789} \\ \underline{7788} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 61 = 127 \text{ remainder } 42$$

$$\begin{array}{r} 127 \\ 61 \overline{) 7789} \\ \underline{7747} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 67 = 116 \text{ remainder } 17$$

$$\begin{array}{r} 116 \\ 67 \overline{) 7789} \\ \underline{7772} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 71 = 109 \text{ remainder } 50$$

$$\begin{array}{r} 109 \\ 71 \overline{) 7789} \\ \underline{7739} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 73 = 106 \text{ remainder } 51$$

$$\begin{array}{r} 106 \\ 73 \overline{) 7789} \\ \underline{7738} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7789 \div 79 = 98 \text{ remainder } 47$$

$$\begin{array}{r} 98 \\ 79 \overline{) 7789} \end{array}$$

7742

----

47 ← remainder

$7789 \div 83 = 93 \text{ remainder } 70$

83 |  $\overline{93 \over 7789}$

7719

----

70 ← remainder



## **P<sub>987</sub> 7793**

$$7793 \div 2 = 3896 \text{ remainder } 1$$

$$\begin{array}{r} 3896 \\ 2 \overline{) 7793} \\ \underline{7792} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 3 = 2597 \text{ remainder } 2$$

$$\begin{array}{r} 2597 \\ 3 \overline{) 7793} \\ \underline{7791} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 5 = 1558 \text{ remainder } 3$$

$$\begin{array}{r} 1558 \\ 5 \overline{) 7793} \\ \underline{7790} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 7 = 1113 \text{ remainder } 2$$

$$\begin{array}{r} 1113 \\ 7 \overline{) 7793} \\ \underline{7791} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 11 = 708 \text{ remainder } 5$$

$$\begin{array}{r} 708 \\ 11 \overline{) 7793} \\ \underline{7788} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 13 = 599 \text{ remainder } 6$$

$$\begin{array}{r} 599 \\ 13 \overline{) 7793} \\ \underline{7787} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 17 = 458 \text{ remainder } 7$$

$$\begin{array}{r} 458 \\ 17 \overline{) 7793} \\ \underline{7786} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 19 = 410 \text{ remainder } 3$$

$$\begin{array}{r} 410 \\ 19 \overline{) 7793} \\ \underline{7790} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 23 = 338 \text{ remainder } 19$$

$$\begin{array}{r} 338 \\ 23 \overline{) 7793} \\ \underline{7774} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 29 = 268 \text{ remainder } 21$$

$$\begin{array}{r} 268 \\ 29 \overline{) 7793} \\ \underline{7772} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 31 = 251 \text{ remainder } 12$$

$$\begin{array}{r} 251 \\ 31 \overline{) 7793} \end{array}$$

$$\begin{array}{r} 7781 \\ \text{----} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$7793 \div 37 = 210 \text{ remainder } 23$$

$$\begin{array}{r} 210 \\ 37 \mid \overline{7793} \\ \underline{7770} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7793 \div 41 = 190 \text{ remainder } 3$$

$$\begin{array}{r} 190 \\ 41 \mid \overline{7793} \\ \underline{7790} \\ \text{----} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7793 \div 43 = 181 \text{ remainder } 10$$

$$\begin{array}{r} 181 \\ 43 \mid \overline{7793} \\ \underline{7783} \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7793 \div 47 = 165 \text{ remainder } 38$$

$$\begin{array}{r} 165 \\ 47 \mid \overline{7793} \\ \underline{7755} \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7793 \div 53 = 147 \text{ remainder } 2$$

$$\begin{array}{r} 147 \\ 53 \mid \overline{7793} \\ \underline{7791} \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7793 \div 59 = 132 \text{ remainder } 5$$

$$\begin{array}{r} 132 \\ 59 \overline{) 7793} \\ \underline{7788} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 61 = 127 \text{ remainder } 46$$

$$\begin{array}{r} 127 \\ 61 \overline{) 7793} \\ \underline{7747} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 67 = 116 \text{ remainder } 21$$

$$\begin{array}{r} 116 \\ 67 \overline{) 7793} \\ \underline{7772} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 71 = 109 \text{ remainder } 54$$

$$\begin{array}{r} 109 \\ 71 \overline{) 7793} \\ \underline{7739} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 73 = 106 \text{ remainder } 55$$

$$\begin{array}{r} 106 \\ 73 \overline{) 7793} \\ \underline{7738} \\ 55 \end{array} \leftarrow \text{remainder}$$

$$7793 \div 79 = 98 \text{ remainder } 51$$

$$\begin{array}{r} 98 \\ 79 \overline{) 7793} \end{array}$$

7742

----

51 ← remainder

$7793 \div 83 = 93 \text{ remainder } 74$

83 |  $\overline{93 \phantom{00} 7793}$   
7719

----

74 ← remainder

## **P<sub>988</sub> 7817**

$$7817 \div 2 = 3908 \text{ remainder } 1$$

$$\begin{array}{r} 3908 \\ 2 \overline{) 7817} \\ \underline{7816} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 3 = 2605 \text{ remainder } 2$$

$$\begin{array}{r} 2605 \\ 3 \overline{) 7817} \\ \underline{7815} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 5 = 1563 \text{ remainder } 2$$

$$\begin{array}{r} 1563 \\ 5 \overline{) 7817} \\ \underline{7815} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 7 = 1116 \text{ remainder } 5$$

$$\begin{array}{r} 1116 \\ 7 \overline{) 7817} \\ \underline{7812} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 11 = 710 \text{ remainder } 7$$

$$\begin{array}{r} 710 \\ 11 \overline{) 7817} \\ \underline{7810} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 13 = 601 \text{ remainder } 4$$

$$\begin{array}{r} 601 \\ 13 \overline{) 7817} \\ \underline{7813} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 17 = 459 \text{ remainder } 14$$

$$\begin{array}{r} 459 \\ 17 \overline{) 7817} \\ \underline{7803} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 19 = 411 \text{ remainder } 8$$

$$\begin{array}{r} 411 \\ 19 \overline{) 7817} \\ \underline{7809} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 23 = 339 \text{ remainder } 20$$

$$\begin{array}{r} 339 \\ 23 \overline{) 7817} \\ \underline{7797} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 29 = 269 \text{ remainder } 16$$

$$\begin{array}{r} 269 \\ 29 \overline{) 7817} \\ \underline{7801} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 31 = 252 \text{ remainder } 5$$

$$\begin{array}{r} 252 \\ 31 \overline{) 7817} \end{array}$$

$$\begin{array}{r} 7812 \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7817 \div 37 = 211 \text{ remainder } 10$$

$$\begin{array}{r} 211 \\ 37 \overline{) 7817} \\ \underline{7807} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7817 \div 41 = 190 \text{ remainder } 27$$

$$\begin{array}{r} 190 \\ 41 \overline{) 7817} \\ \underline{7790} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7817 \div 43 = 181 \text{ remainder } 34$$

$$\begin{array}{r} 181 \\ 43 \overline{) 7817} \\ \underline{7783} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7817 \div 47 = 166 \text{ remainder } 15$$

$$\begin{array}{r} 166 \\ 47 \overline{) 7817} \\ \underline{7802} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7817 \div 53 = 147 \text{ remainder } 26$$

$$\begin{array}{r} 147 \\ 53 \overline{) 7817} \\ \underline{7791} \\ 26 \leftarrow \text{remainder} \end{array}$$



$$7817 \div 59 = 132 \text{ remainder } 29$$

$$\begin{array}{r} 132 \\ 59 \overline{) 7817} \\ \underline{7788} \\ 29 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 61 = 128 \text{ remainder } 9$$

$$\begin{array}{r} 128 \\ 61 \overline{) 7817} \\ \underline{7808} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 67 = 116 \text{ remainder } 45$$

$$\begin{array}{r} 116 \\ 67 \overline{) 7817} \\ \underline{7772} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 71 = 110 \text{ remainder } 7$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7817} \\ \underline{7810} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 73 = 107 \text{ remainder } 6$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7817} \\ \underline{7811} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7817 \div 79 = 98 \text{ remainder } 75$$

$$\begin{array}{r} 98 \\ 79 \overline{) 7817} \end{array}$$

7742

----

75 ← remainder

$7817 \div 83 = 94 \text{ remainder } 15$

83 |  $\overline{94 \over 7817}$   
7802

----

15 ← remainder

## **P<sub>989</sub> 7823**

$$7823 \div 2 = 3911 \text{ remainder } 1$$

$$\begin{array}{r} 3911 \\ 2 \overline{) 7823} \\ \underline{7822} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 3 = 2607 \text{ remainder } 2$$

$$\begin{array}{r} 2607 \\ 3 \overline{) 7823} \\ \underline{7821} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 5 = 1564 \text{ remainder } 3$$

$$\begin{array}{r} 1564 \\ 5 \overline{) 7823} \\ \underline{7820} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 7 = 1117 \text{ remainder } 4$$

$$\begin{array}{r} 1117 \\ 7 \overline{) 7823} \\ \underline{7819} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 11 = 711 \text{ remainder } 2$$

$$\begin{array}{r} 711 \\ 11 \overline{) 7823} \\ \underline{7821} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 13 = 601 \text{ remainder } 10$$

$$\begin{array}{r} 601 \\ 13 \overline{) 7823} \\ \underline{7813} \phantom{00} \\ 10 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7823 \div 17 = 460 \text{ remainder } 3$$

$$\begin{array}{r} 460 \\ 17 \overline{) 7823} \\ \underline{7820} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7823 \div 19 = 411 \text{ remainder } 14$$

$$\begin{array}{r} 411 \\ 19 \overline{) 7823} \\ \underline{7809} \phantom{00} \\ 14 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7823 \div 23 = 340 \text{ remainder } 3$$

$$\begin{array}{r} 340 \\ 23 \overline{) 7823} \\ \underline{7820} \phantom{00} \\ 3 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7823 \div 29 = 269 \text{ remainder } 22$$

$$\begin{array}{r} 269 \\ 29 \overline{) 7823} \\ \underline{7801} \phantom{00} \\ 22 \phantom{00} \leftarrow \text{remainder} \end{array}$$

$$7823 \div 31 = 252 \text{ remainder } 11$$

$$\begin{array}{r} 252 \\ 31 \overline{) 7823} \end{array}$$

```

7812
----
11 ← remainder

```

$$7823 \div 37 = 211 \text{ remainder } 16$$

```

      211
37 | 7823
    7807
    ----
      16 ← remainder

```

$$7823 \div 41 = 190 \text{ remainder } 33$$

```

      190
41 | 7823
    7790
    ----
      33 ← remainder

```

$$7823 \div 43 = 181 \text{ remainder } 40$$

```

      181
43 | 7823
    7783
    ----
      40 ← remainder

```

$$7823 \div 47 = 166 \text{ remainder } 21$$

```

      166
47 | 7823
    7802
    ----
      21 ← remainder

```

$$7823 \div 53 = 147 \text{ remainder } 32$$

```

      147
53 | 7823
    7791
    ----
      32 ← remainder

```

$$7823 \div 59 = 132 \text{ remainder } 35$$

$$\begin{array}{r} 132 \\ 59 \overline{) 7823} \\ \underline{7788} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 61 = 128 \text{ remainder } 15$$

$$\begin{array}{r} 128 \\ 61 \overline{) 7823} \\ \underline{7808} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 67 = 116 \text{ remainder } 51$$

$$\begin{array}{r} 116 \\ 67 \overline{) 7823} \\ \underline{7772} \\ 51 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 71 = 110 \text{ remainder } 13$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7823} \\ \underline{7810} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 73 = 107 \text{ remainder } 12$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7823} \\ \underline{7811} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7823 \div 79 = 99 \text{ remainder } 2$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7823} \end{array}$$

7821

----

2 ← remainder

$7823 \div 83 = 94 \text{ remainder } 21$

83 |  $\overline{94 \phantom{00} 7823}$   
7802

----

21 ← remainder

## **P<sub>990</sub> 7829**

$$7829 \div 2 = 3914 \text{ remainder } 1$$

$$\begin{array}{r} 3914 \\ 2 \overline{) 7829} \\ \underline{7828} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 3 = 2609 \text{ remainder } 2$$

$$\begin{array}{r} 2609 \\ 3 \overline{) 7829} \\ \underline{7827} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 5 = 1565 \text{ remainder } 4$$

$$\begin{array}{r} 1565 \\ 5 \overline{) 7829} \\ \underline{7825} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 7 = 1118 \text{ remainder } 3$$

$$\begin{array}{r} 1118 \\ 7 \overline{) 7829} \\ \underline{7826} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 11 = 711 \text{ remainder } 8$$

$$\begin{array}{r} 711 \\ 11 \overline{) 7829} \\ \underline{7821} \\ 8 \end{array} \leftarrow \text{remainder}$$



$$7829 \div 13 = 602 \text{ remainder } 3$$

$$\begin{array}{r} 602 \\ 13 \overline{) 7829} \\ \underline{7826} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 17 = 460 \text{ remainder } 9$$

$$\begin{array}{r} 460 \\ 17 \overline{) 7829} \\ \underline{7820} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 19 = 412 \text{ remainder } 1$$

$$\begin{array}{r} 412 \\ 19 \overline{) 7829} \\ \underline{7828} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 23 = 340 \text{ remainder } 9$$

$$\begin{array}{r} 340 \\ 23 \overline{) 7829} \\ \underline{7820} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 29 = 269 \text{ remainder } 28$$

$$\begin{array}{r} 269 \\ 29 \overline{) 7829} \\ \underline{7801} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 31 = 252 \text{ remainder } 17$$

$$\begin{array}{r} 252 \\ 31 \overline{) 7829} \end{array}$$

$$\begin{array}{r} 7812 \\ - - - - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$7829 \div 37 = 211 \text{ remainder } 22$$

$$\begin{array}{r} 211 \\ 37 \overline{) 7829} \\ \underline{7807} \\ - - - - \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7829 \div 41 = 190 \text{ remainder } 39$$

$$\begin{array}{r} 190 \\ 41 \overline{) 7829} \\ \underline{7790} \\ - - - - \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7829 \div 43 = 182 \text{ remainder } 3$$

$$\begin{array}{r} 182 \\ 43 \overline{) 7829} \\ \underline{7826} \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7829 \div 47 = 166 \text{ remainder } 27$$

$$\begin{array}{r} 166 \\ 47 \overline{) 7829} \\ \underline{7802} \\ - - - - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7829 \div 53 = 147 \text{ remainder } 38$$

$$\begin{array}{r} 147 \\ 53 \overline{) 7829} \\ \underline{7791} \\ - - - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7829 \div 59 = 132 \text{ remainder } 41$$

$$\begin{array}{r} 132 \\ 59 \overline{) 7829} \\ \underline{7788} \\ 41 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 61 = 128 \text{ remainder } 21$$

$$\begin{array}{r} 128 \\ 61 \overline{) 7829} \\ \underline{7808} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 67 = 116 \text{ remainder } 57$$

$$\begin{array}{r} 116 \\ 67 \overline{) 7829} \\ \underline{7772} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 71 = 110 \text{ remainder } 19$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7829} \\ \underline{7810} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 73 = 107 \text{ remainder } 18$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7829} \\ \underline{7811} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7829 \div 79 = 99 \text{ remainder } 8$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7829} \end{array}$$

7821

----

8 ← remainder

$7829 \div 83 = 94 \text{ remainder } 27$

83 |  $\overline{94 \over 7829}$   
7802

----

27 ← remainder

## **P<sub>991</sub> 7841**

$$7841 \div 2 = 3920 \text{ remainder } 1$$

$$\begin{array}{r} 3920 \\ 2 \overline{) 7841} \\ \underline{7840} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 3 = 2613 \text{ remainder } 2$$

$$\begin{array}{r} 2613 \\ 3 \overline{) 7841} \\ \underline{7839} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 5 = 1568 \text{ remainder } 1$$

$$\begin{array}{r} 1568 \\ 5 \overline{) 7841} \\ \underline{7840} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 7 = 1120 \text{ remainder } 1$$

$$\begin{array}{r} 1120 \\ 7 \overline{) 7841} \\ \underline{7840} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 11 = 712 \text{ remainder } 9$$

$$\begin{array}{r} 712 \\ 11 \overline{) 7841} \\ \underline{7832} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 13 = 603 \text{ remainder } 2$$

$$\begin{array}{r} 603 \\ 13 \overline{) 7841} \\ \underline{7839} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 17 = 461 \text{ remainder } 4$$

$$\begin{array}{r} 461 \\ 17 \overline{) 7841} \\ \underline{7837} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 19 = 412 \text{ remainder } 13$$

$$\begin{array}{r} 412 \\ 19 \overline{) 7841} \\ \underline{7828} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 23 = 340 \text{ remainder } 21$$

$$\begin{array}{r} 340 \\ 23 \overline{) 7841} \\ \underline{7820} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 29 = 270 \text{ remainder } 11$$

$$\begin{array}{r} 270 \\ 29 \overline{) 7841} \\ \underline{7830} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 31 = 252 \text{ remainder } 29$$

$$\begin{array}{r} 252 \\ 31 \overline{) 7841} \end{array}$$

$$\begin{array}{r} 7812 \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7841 \div 37 = 211 \text{ remainder } 34$$

$$\begin{array}{r} 211 \\ 37 \overline{) 7841} \\ \underline{7807} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$7841 \div 41 = 191 \text{ remainder } 10$$

$$\begin{array}{r} 191 \\ 41 \overline{) 7841} \\ \underline{7831} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7841 \div 43 = 182 \text{ remainder } 15$$

$$\begin{array}{r} 182 \\ 43 \overline{) 7841} \\ \underline{7826} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$7841 \div 47 = 166 \text{ remainder } 39$$

$$\begin{array}{r} 166 \\ 47 \overline{) 7841} \\ \underline{7802} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$7841 \div 53 = 147 \text{ remainder } 50$$

$$\begin{array}{r} 147 \\ 53 \overline{) 7841} \\ \underline{7791} \\ 50 \leftarrow \text{remainder} \end{array}$$

$$7841 \div 59 = 132 \text{ remainder } 53$$

$$\begin{array}{r} 132 \\ 59 \overline{) 7841} \\ \underline{7788} \\ 53 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 61 = 128 \text{ remainder } 33$$

$$\begin{array}{r} 128 \\ 61 \overline{) 7841} \\ \underline{7808} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 67 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 67 \overline{) 7841} \\ \underline{7839} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 71 = 110 \text{ remainder } 31$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7841} \\ \underline{7810} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 73 = 107 \text{ remainder } 30$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7841} \\ \underline{7811} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$7841 \div 79 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7841} \end{array}$$



7821

----

20 ← remainder

$7841 \div 83 = 94 \text{ remainder } 39$

83 |  $\overline{94 \phantom{00} 7841}$   
7802

----

39 ← remainder

## **P<sub>992</sub> 7853**

$$7853 \div 2 = 3926 \text{ remainder } 1$$

$$\begin{array}{r} 3926 \\ 2 \overline{) 7853} \\ \underline{7852} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 3 = 2617 \text{ remainder } 2$$

$$\begin{array}{r} 2617 \\ 3 \overline{) 7853} \\ \underline{7851} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 5 = 1570 \text{ remainder } 3$$

$$\begin{array}{r} 1570 \\ 5 \overline{) 7853} \\ \underline{7850} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 7 = 1121 \text{ remainder } 6$$

$$\begin{array}{r} 1121 \\ 7 \overline{) 7853} \\ \underline{7847} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 11 = 713 \text{ remainder } 10$$

$$\begin{array}{r} 713 \\ 11 \overline{) 7853} \\ \underline{7843} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 13 = 604 \text{ remainder } 1$$

$$\begin{array}{r} 604 \\ 13 \overline{) 7853} \\ \underline{7852} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 17 = 461 \text{ remainder } 16$$

$$\begin{array}{r} 461 \\ 17 \overline{) 7853} \\ \underline{7837} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 19 = 413 \text{ remainder } 6$$

$$\begin{array}{r} 413 \\ 19 \overline{) 7853} \\ \underline{7847} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 23 = 341 \text{ remainder } 10$$

$$\begin{array}{r} 341 \\ 23 \overline{) 7853} \\ \underline{7843} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 29 = 270 \text{ remainder } 23$$

$$\begin{array}{r} 270 \\ 29 \overline{) 7853} \\ \underline{7830} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 31 = 253 \text{ remainder } 10$$

$$\begin{array}{r} 253 \\ 31 \overline{) 7853} \end{array}$$

$$\begin{array}{r} 7843 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7853 \div 37 = 212 \text{ remainder } 9$$

$$\begin{array}{r} 212 \\ 37 \overline{) 7853} \\ \underline{7844} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7853 \div 41 = 191 \text{ remainder } 22$$

$$\begin{array}{r} 191 \\ 41 \overline{) 7853} \\ \underline{7831} \\ \text{----} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$7853 \div 43 = 182 \text{ remainder } 27$$

$$\begin{array}{r} 182 \\ 43 \overline{) 7853} \\ \underline{7826} \\ \text{----} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7853 \div 47 = 167 \text{ remainder } 4$$

$$\begin{array}{r} 167 \\ 47 \overline{) 7853} \\ \underline{7849} \\ \text{----} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7853 \div 53 = 148 \text{ remainder } 9$$

$$\begin{array}{r} 148 \\ 53 \overline{) 7853} \\ \underline{7844} \\ \text{----} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$7853 \div 59 = 133 \text{ remainder } 6$$

$$\begin{array}{r} 133 \\ 59 \overline{) 7853} \\ \underline{7847} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 61 = 128 \text{ remainder } 45$$

$$\begin{array}{r} 128 \\ 61 \overline{) 7853} \\ \underline{7808} \\ 45 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 67 = 117 \text{ remainder } 14$$

$$\begin{array}{r} 117 \\ 67 \overline{) 7853} \\ \underline{7839} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 71 = 110 \text{ remainder } 43$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7853} \\ \underline{7810} \\ 43 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 73 = 107 \text{ remainder } 42$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7853} \\ \underline{7811} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$7853 \div 79 = 99 \text{ remainder } 32$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7853} \end{array}$$

7821

----

32 ← remainder

$7853 \div 83 = 94 \text{ remainder } 51$

83 |  $\overline{94 \over 7853}$   
7802

----

51 ← remainder

## **P<sub>993</sub> 7867**

$$7867 \div 2 = 3933 \text{ remainder } 1$$

$$\begin{array}{r} 3933 \\ 2 \overline{) 7867} \\ \underline{7866} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 3 = 2622 \text{ remainder } 1$$

$$\begin{array}{r} 2622 \\ 3 \overline{) 7867} \\ \underline{7866} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 5 = 1573 \text{ remainder } 2$$

$$\begin{array}{r} 1573 \\ 5 \overline{) 7867} \\ \underline{7865} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 7 = 1123 \text{ remainder } 6$$

$$\begin{array}{r} 1123 \\ 7 \overline{) 7867} \\ \underline{7861} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 11 = 715 \text{ remainder } 2$$

$$\begin{array}{r} 715 \\ 11 \overline{) 7867} \\ \underline{7865} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 13 = 605 \text{ remainder } 2$$

$$\begin{array}{r} 605 \\ 13 \overline{) 7867} \\ \underline{7865} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 17 = 462 \text{ remainder } 13$$

$$\begin{array}{r} 462 \\ 17 \overline{) 7867} \\ \underline{7854} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 19 = 414 \text{ remainder } 1$$

$$\begin{array}{r} 414 \\ 19 \overline{) 7867} \\ \underline{7866} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 23 = 342 \text{ remainder } 1$$

$$\begin{array}{r} 342 \\ 23 \overline{) 7867} \\ \underline{7866} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 29 = 271 \text{ remainder } 8$$

$$\begin{array}{r} 271 \\ 29 \overline{) 7867} \\ \underline{7859} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 31 = 253 \text{ remainder } 24$$

$$\begin{array}{r} 253 \\ 31 \overline{) 7867} \end{array}$$



$$\begin{array}{r} 7843 \\ \text{----} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7867 \div 37 = 212 \text{ remainder } 23$$

$$\begin{array}{r} 212 \\ 37 \mid \overline{7867} \\ \underline{7844} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7867 \div 41 = 191 \text{ remainder } 36$$

$$\begin{array}{r} 191 \\ 41 \mid \overline{7867} \\ \underline{7831} \\ \text{----} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$7867 \div 43 = 182 \text{ remainder } 41$$

$$\begin{array}{r} 182 \\ 43 \mid \overline{7867} \\ \underline{7826} \\ \text{----} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$7867 \div 47 = 167 \text{ remainder } 18$$

$$\begin{array}{r} 167 \\ 47 \mid \overline{7867} \\ \underline{7849} \\ \text{----} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$7867 \div 53 = 148 \text{ remainder } 23$$

$$\begin{array}{r} 148 \\ 53 \mid \overline{7867} \\ \underline{7844} \\ \text{----} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$7867 \div 59 = 133 \text{ remainder } 20$$

$$\begin{array}{r} 133 \\ 59 \overline{) 7867} \\ \underline{7847} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 61 = 128 \text{ remainder } 59$$

$$\begin{array}{r} 128 \\ 61 \overline{) 7867} \\ \underline{7808} \\ 59 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 67 = 117 \text{ remainder } 28$$

$$\begin{array}{r} 117 \\ 67 \overline{) 7867} \\ \underline{7839} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 71 = 110 \text{ remainder } 57$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7867} \\ \underline{7810} \\ 57 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 73 = 107 \text{ remainder } 56$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7867} \\ \underline{7811} \\ 56 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 79 = 99 \text{ remainder } 46$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7867} \end{array}$$

7821

----

46 ← remainder

$7867 \div 83 = 94 \text{ remainder } 65$

83 |  $\overline{94 \phantom{00} 7867}$   
7802

----

65 ← remainder

## **P<sub>994</sub> 7873**

$$7873 \div 2 = 3936 \text{ remainder } 1$$

$$\begin{array}{r} 3936 \\ 2 \overline{) 7873} \\ \underline{7872} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 3 = 2624 \text{ remainder } 1$$

$$\begin{array}{r} 2624 \\ 3 \overline{) 7873} \\ \underline{7872} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 5 = 1574 \text{ remainder } 3$$

$$\begin{array}{r} 1574 \\ 5 \overline{) 7873} \\ \underline{7870} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 7 = 1124 \text{ remainder } 5$$

$$\begin{array}{r} 1124 \\ 7 \overline{) 7873} \\ \underline{7868} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 11 = 715 \text{ remainder } 8$$

$$\begin{array}{r} 715 \\ 11 \overline{) 7873} \\ \underline{7865} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 13 = 605 \text{ remainder } 8$$

$$\begin{array}{r} 605 \\ 13 \overline{) 7873} \\ \underline{7865} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 17 = 463 \text{ remainder } 2$$

$$\begin{array}{r} 463 \\ 17 \overline{) 7873} \\ \underline{7871} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 19 = 414 \text{ remainder } 7$$

$$\begin{array}{r} 414 \\ 19 \overline{) 7873} \\ \underline{7866} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 23 = 342 \text{ remainder } 7$$

$$\begin{array}{r} 342 \\ 23 \overline{) 7873} \\ \underline{7866} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 29 = 271 \text{ remainder } 14$$

$$\begin{array}{r} 271 \\ 29 \overline{) 7873} \\ \underline{7859} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 31 = 253 \text{ remainder } 30$$

$$\begin{array}{r} 253 \\ 31 \overline{) 7873} \end{array}$$

$$\begin{array}{r} 7843 \\ - - - - \\ 30 \leftarrow \text{remainder} \end{array}$$

$$7873 \div 37 = 212 \text{ remainder } 29$$

$$\begin{array}{r} 212 \\ 37 \overline{) 7873} \\ \underline{7844} \phantom{00} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7873 \div 41 = 192 \text{ remainder } 1$$

$$\begin{array}{r} 192 \\ 41 \overline{) 7873} \\ \underline{7872} \phantom{00} \\ - - - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7873 \div 43 = 183 \text{ remainder } 4$$

$$\begin{array}{r} 183 \\ 43 \overline{) 7873} \\ \underline{7869} \phantom{00} \\ - - - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7873 \div 47 = 167 \text{ remainder } 24$$

$$\begin{array}{r} 167 \\ 47 \overline{) 7873} \\ \underline{7849} \phantom{00} \\ - - - - \\ 24 \leftarrow \text{remainder} \end{array}$$

$$7873 \div 53 = 148 \text{ remainder } 29$$

$$\begin{array}{r} 148 \\ 53 \overline{) 7873} \\ \underline{7844} \phantom{00} \\ - - - - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7873 \div 59 = 133 \text{ remainder } 26$$

$$\begin{array}{r} 133 \\ 59 \overline{) 7873} \\ \underline{7847} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 61 = 129 \text{ remainder } 4$$

$$\begin{array}{r} 129 \\ 61 \overline{) 7873} \\ \underline{7869} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 67 = 117 \text{ remainder } 34$$

$$\begin{array}{r} 117 \\ 67 \overline{) 7873} \\ \underline{7839} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 71 = 110 \text{ remainder } 63$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7873} \\ \underline{7810} \\ 63 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 73 = 107 \text{ remainder } 62$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7873} \\ \underline{7811} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$7873 \div 79 = 99 \text{ remainder } 52$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7873} \end{array}$$

7821

----

52 ← remainder

$7873 \div 83 = 94 \text{ remainder } 71$

83 |  $\overline{94 \phantom{00} 7873}$   
7802

----

71 ← remainder



## **P<sub>995</sub> 7877**

$$7877 \div 2 = 3938 \text{ remainder } 1$$

$$\begin{array}{r} 3938 \\ 2 \overline{) 7877} \\ \underline{7876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 3 = 2625 \text{ remainder } 2$$

$$\begin{array}{r} 2625 \\ 3 \overline{) 7877} \\ \underline{7875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 5 = 1575 \text{ remainder } 2$$

$$\begin{array}{r} 1575 \\ 5 \overline{) 7877} \\ \underline{7875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 7 = 1125 \text{ remainder } 2$$

$$\begin{array}{r} 1125 \\ 7 \overline{) 7877} \\ \underline{7875} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 11 = 716 \text{ remainder } 1$$

$$\begin{array}{r} 716 \\ 11 \overline{) 7877} \\ \underline{7876} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 13 = 605 \text{ remainder } 12$$

$$\begin{array}{r} 605 \\ 13 \overline{) 7877} \\ \underline{7865} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 17 = 463 \text{ remainder } 6$$

$$\begin{array}{r} 463 \\ 17 \overline{) 7877} \\ \underline{7871} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 19 = 414 \text{ remainder } 11$$

$$\begin{array}{r} 414 \\ 19 \overline{) 7877} \\ \underline{7866} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 23 = 342 \text{ remainder } 11$$

$$\begin{array}{r} 342 \\ 23 \overline{) 7877} \\ \underline{7866} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 29 = 271 \text{ remainder } 18$$

$$\begin{array}{r} 271 \\ 29 \overline{) 7877} \\ \underline{7859} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 31 = 254 \text{ remainder } 3$$

$$\begin{array}{r} 254 \\ 31 \overline{) 7877} \end{array}$$

$$\begin{array}{r} 7874 \\ - - - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$7877 \div 37 = 212 \text{ remainder } 33$$

$$\begin{array}{r} 212 \\ 37 \overline{) 7877} \\ \underline{7844} \\ - - - - \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7877 \div 41 = 192 \text{ remainder } 5$$

$$\begin{array}{r} 192 \\ 41 \overline{) 7877} \\ \underline{7872} \\ - - - - \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7877 \div 43 = 183 \text{ remainder } 8$$

$$\begin{array}{r} 183 \\ 43 \overline{) 7877} \\ \underline{7869} \\ - - - - \\ 8 \leftarrow \text{remainder} \end{array}$$

$$7877 \div 47 = 167 \text{ remainder } 28$$

$$\begin{array}{r} 167 \\ 47 \overline{) 7877} \\ \underline{7849} \\ - - - - \\ 28 \leftarrow \text{remainder} \end{array}$$

$$7877 \div 53 = 148 \text{ remainder } 33$$

$$\begin{array}{r} 148 \\ 53 \overline{) 7877} \\ \underline{7844} \\ - - - - \\ 33 \leftarrow \text{remainder} \end{array}$$

$$7877 \div 59 = 133 \text{ remainder } 30$$

$$\begin{array}{r} 133 \\ 59 \overline{) 7877} \\ \underline{7847} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 61 = 129 \text{ remainder } 8$$

$$\begin{array}{r} 129 \\ 61 \overline{) 7877} \\ \underline{7869} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 67 = 117 \text{ remainder } 38$$

$$\begin{array}{r} 117 \\ 67 \overline{) 7877} \\ \underline{7839} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 71 = 110 \text{ remainder } 67$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7877} \\ \underline{7810} \\ 67 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 73 = 107 \text{ remainder } 66$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7877} \\ \underline{7811} \\ 66 \end{array} \leftarrow \text{remainder}$$

$$7877 \div 79 = 99 \text{ remainder } 56$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7877} \end{array}$$

7821

----

56 ← remainder

$7877 \div 83 = 94 \text{ remainder } 75$

83 |  $\overline{94 \over 7877}$   
7802

----

75 ← remainder

## **P<sub>996</sub> 7879**

$$7879 \div 2 = 3939 \text{ remainder } 1$$

$$\begin{array}{r} 3939 \\ 2 \overline{) 7879} \\ \underline{7878} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 3 = 2626 \text{ remainder } 1$$

$$\begin{array}{r} 2626 \\ 3 \overline{) 7879} \\ \underline{7878} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 5 = 1575 \text{ remainder } 4$$

$$\begin{array}{r} 1575 \\ 5 \overline{) 7879} \\ \underline{7875} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 7 = 1125 \text{ remainder } 4$$

$$\begin{array}{r} 1125 \\ 7 \overline{) 7879} \\ \underline{7875} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 11 = 716 \text{ remainder } 3$$

$$\begin{array}{r} 716 \\ 11 \overline{) 7879} \\ \underline{7876} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 13 = 606 \text{ remainder } 1$$

$$\begin{array}{r} 606 \\ 13 \overline{) 7879} \\ \underline{7878} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 17 = 463 \text{ remainder } 8$$

$$\begin{array}{r} 463 \\ 17 \overline{) 7879} \\ \underline{7871} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 19 = 414 \text{ remainder } 13$$

$$\begin{array}{r} 414 \\ 19 \overline{) 7879} \\ \underline{7866} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 23 = 342 \text{ remainder } 13$$

$$\begin{array}{r} 342 \\ 23 \overline{) 7879} \\ \underline{7866} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 29 = 271 \text{ remainder } 20$$

$$\begin{array}{r} 271 \\ 29 \overline{) 7879} \\ \underline{7859} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 31 = 254 \text{ remainder } 5$$

$$\begin{array}{r} 254 \\ 31 \overline{) 7879} \end{array}$$

7874

----

5 ← remainder

$$7879 \div 37 = 212 \text{ remainder } 35$$

$$\begin{array}{r} 212 \\ 37 \overline{) 7879} \\ \underline{7844} \end{array}$$

----

35 ← remainder

$$7879 \div 41 = 192 \text{ remainder } 7$$

$$\begin{array}{r} 192 \\ 41 \overline{) 7879} \\ \underline{7872} \end{array}$$

----

7 ← remainder

$$7879 \div 43 = 183 \text{ remainder } 10$$

$$\begin{array}{r} 183 \\ 43 \overline{) 7879} \\ \underline{7869} \end{array}$$

----

10 ← remainder

$$7879 \div 47 = 167 \text{ remainder } 30$$

$$\begin{array}{r} 167 \\ 47 \overline{) 7879} \\ \underline{7849} \end{array}$$

----

30 ← remainder

$$7879 \div 53 = 148 \text{ remainder } 35$$

$$\begin{array}{r} 148 \\ 53 \overline{) 7879} \\ \underline{7844} \end{array}$$

----

35 ← remainder



$$7879 \div 59 = 133 \text{ remainder } 32$$

$$\begin{array}{r} 133 \\ 59 \overline{) 7879} \\ \underline{7847} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 61 = 129 \text{ remainder } 10$$

$$\begin{array}{r} 129 \\ 61 \overline{) 7879} \\ \underline{7869} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 67 = 117 \text{ remainder } 40$$

$$\begin{array}{r} 117 \\ 67 \overline{) 7879} \\ \underline{7839} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 71 = 110 \text{ remainder } 69$$

$$\begin{array}{r} 110 \\ 71 \overline{) 7879} \\ \underline{7810} \\ 69 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 73 = 107 \text{ remainder } 68$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7879} \\ \underline{7811} \\ 68 \end{array} \leftarrow \text{remainder}$$

$$7879 \div 79 = 99 \text{ remainder } 58$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7879} \end{array}$$

7821

----

58 ← remainder

$7879 \div 83 = 94 \text{ remainder } 77$

83 |  $\overline{94}$   
 $\overline{7879}$   
7802

----

77 ← remainder

## **P<sub>997</sub> 7883**

$$7883 \div 2 = 3941 \text{ remainder } 1$$

$$\begin{array}{r} 3941 \\ 2 \overline{) 7883} \\ \underline{7882} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 3 = 2627 \text{ remainder } 2$$

$$\begin{array}{r} 2627 \\ 3 \overline{) 7883} \\ \underline{7881} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 5 = 1576 \text{ remainder } 3$$

$$\begin{array}{r} 1576 \\ 5 \overline{) 7883} \\ \underline{7880} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 7 = 1126 \text{ remainder } 1$$

$$\begin{array}{r} 1126 \\ 7 \overline{) 7883} \\ \underline{7882} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 11 = 716 \text{ remainder } 7$$

$$\begin{array}{r} 716 \\ 11 \overline{) 7883} \\ \underline{7876} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 13 = 606 \text{ remainder } 5$$

$$\begin{array}{r} 606 \\ 13 \overline{) 7883} \\ \underline{7878} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 17 = 463 \text{ remainder } 12$$

$$\begin{array}{r} 463 \\ 17 \overline{) 7883} \\ \underline{7871} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 19 = 414 \text{ remainder } 17$$

$$\begin{array}{r} 414 \\ 19 \overline{) 7883} \\ \underline{7866} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 23 = 342 \text{ remainder } 17$$

$$\begin{array}{r} 342 \\ 23 \overline{) 7883} \\ \underline{7866} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 29 = 271 \text{ remainder } 24$$

$$\begin{array}{r} 271 \\ 29 \overline{) 7883} \\ \underline{7859} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 31 = 254 \text{ remainder } 9$$

$$\begin{array}{r} 254 \\ 31 \overline{) 7883} \end{array}$$

7874

----

9 ← remainder

$$7883 \div 37 = 213 \text{ remainder } 2$$

$$\begin{array}{r} 213 \\ 37 \overline{) 7883} \\ \underline{7881} \end{array}$$

----

2 ← remainder

$$7883 \div 41 = 192 \text{ remainder } 11$$

$$\begin{array}{r} 192 \\ 41 \overline{) 7883} \\ \underline{7872} \end{array}$$

----

11 ← remainder

$$7883 \div 43 = 183 \text{ remainder } 14$$

$$\begin{array}{r} 183 \\ 43 \overline{) 7883} \\ \underline{7869} \end{array}$$

----

14 ← remainder

$$7883 \div 47 = 167 \text{ remainder } 34$$

$$\begin{array}{r} 167 \\ 47 \overline{) 7883} \\ \underline{7849} \end{array}$$

----

34 ← remainder

$$7883 \div 53 = 148 \text{ remainder } 39$$

$$\begin{array}{r} 148 \\ 53 \overline{) 7883} \\ \underline{7844} \end{array}$$

----

39 ← remainder

$$7883 \div 59 = 133 \text{ remainder } 36$$

$$\begin{array}{r} 133 \\ 59 \overline{) 7883} \\ \underline{7847} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 61 = 129 \text{ remainder } 14$$

$$\begin{array}{r} 129 \\ 61 \overline{) 7883} \\ \underline{7869} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 67 = 117 \text{ remainder } 44$$

$$\begin{array}{r} 117 \\ 67 \overline{) 7883} \\ \underline{7839} \\ 44 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 71 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 71 \overline{) 7883} \\ \underline{7881} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 73 = 107 \text{ remainder } 72$$

$$\begin{array}{r} 107 \\ 73 \overline{) 7883} \\ \underline{7811} \\ 72 \end{array} \leftarrow \text{remainder}$$

$$7883 \div 79 = 99 \text{ remainder } 62$$

$$\begin{array}{r} 99 \\ 79 \overline{) 7883} \end{array}$$

7821

----

62 ← remainder

$7883 \div 83 = 94 \text{ remainder } 81$

83 |  $\overline{94 \over 7883}$   
7802

----

81 ← remainder

## **P<sub>998</sub> 7901**

$$7901 \div 2 = 3950 \text{ remainder } 1$$

$$\begin{array}{r} 3950 \\ 2 \overline{) 7901} \\ \underline{7900} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 3 = 2633 \text{ remainder } 2$$

$$\begin{array}{r} 2633 \\ 3 \overline{) 7901} \\ \underline{7899} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 5 = 1580 \text{ remainder } 1$$

$$\begin{array}{r} 1580 \\ 5 \overline{) 7901} \\ \underline{7900} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 7 = 1128 \text{ remainder } 5$$

$$\begin{array}{r} 1128 \\ 7 \overline{) 7901} \\ \underline{7896} \\ 5 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 11 = 718 \text{ remainder } 3$$

$$\begin{array}{r} 718 \\ 11 \overline{) 7901} \\ \underline{7898} \\ 3 \end{array} \leftarrow \text{remainder}$$



$$7901 \div 13 = 607 \text{ remainder } 10$$

$$\begin{array}{r} 607 \\ 13 \overline{) 7901} \\ \underline{7891} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 17 = 464 \text{ remainder } 13$$

$$\begin{array}{r} 464 \\ 17 \overline{) 7901} \\ \underline{7888} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 19 = 415 \text{ remainder } 16$$

$$\begin{array}{r} 415 \\ 19 \overline{) 7901} \\ \underline{7885} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 23 = 343 \text{ remainder } 12$$

$$\begin{array}{r} 343 \\ 23 \overline{) 7901} \\ \underline{7889} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 29 = 272 \text{ remainder } 13$$

$$\begin{array}{r} 272 \\ 29 \overline{) 7901} \\ \underline{7888} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 31 = 254 \text{ remainder } 27$$

$$\begin{array}{r} 254 \\ 31 \overline{) 7901} \end{array}$$

$$\begin{array}{r} 7874 \\ ---- \\ 27 \leftarrow \text{remainder} \end{array}$$

$$7901 \div 37 = 213 \text{ remainder } 20$$

$$\begin{array}{r} 213 \\ 37 \overline{) 7901} \\ \underline{7881} \\ 20 \\ ---- \\ 20 \leftarrow \text{remainder} \end{array}$$

$$7901 \div 41 = 192 \text{ remainder } 29$$

$$\begin{array}{r} 192 \\ 41 \overline{) 7901} \\ \underline{7872} \\ 29 \\ ---- \\ 29 \leftarrow \text{remainder} \end{array}$$

$$7901 \div 43 = 183 \text{ remainder } 32$$

$$\begin{array}{r} 183 \\ 43 \overline{) 7901} \\ \underline{7869} \\ 32 \\ ---- \\ 32 \leftarrow \text{remainder} \end{array}$$

$$7901 \div 47 = 168 \text{ remainder } 5$$

$$\begin{array}{r} 168 \\ 47 \overline{) 7901} \\ \underline{7896} \\ 5 \\ ---- \\ 5 \leftarrow \text{remainder} \end{array}$$

$$7901 \div 53 = 149 \text{ remainder } 4$$

$$\begin{array}{r} 149 \\ 53 \overline{) 7901} \\ \underline{7897} \\ 4 \\ ---- \\ 4 \leftarrow \text{remainder} \end{array}$$

$$7901 \div 59 = 133 \text{ remainder } 54$$

$$\begin{array}{r} 133 \\ 59 \overline{) 7901} \\ \underline{7847} \\ 54 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 61 = 129 \text{ remainder } 32$$

$$\begin{array}{r} 129 \\ 61 \overline{) 7901} \\ \underline{7869} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 67 = 117 \text{ remainder } 62$$

$$\begin{array}{r} 117 \\ 67 \overline{) 7901} \\ \underline{7839} \\ 62 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 71 = 111 \text{ remainder } 20$$

$$\begin{array}{r} 111 \\ 71 \overline{) 7901} \\ \underline{7881} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 73 = 108 \text{ remainder } 17$$

$$\begin{array}{r} 108 \\ 73 \overline{) 7901} \\ \underline{7884} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$7901 \div 79 = 100 \text{ remainder } 1$$

$$\begin{array}{r} 100 \\ 79 \overline{) 7901} \end{array}$$

7900

----

1 ← remainder

$7901 \div 83 = 95 \text{ remainder } 16$

83 |  $\begin{array}{r} 95 \\ \overline{7901} \\ 7885 \end{array}$

----

16 ← remainder

## **P<sub>999</sub> 7907**

$$7907 \div 2 = 3953 \text{ remainder } 1$$

$$\begin{array}{r} 3953 \\ 2 \overline{) 7907} \\ \underline{7906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 3 = 2635 \text{ remainder } 2$$

$$\begin{array}{r} 2635 \\ 3 \overline{) 7907} \\ \underline{7905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 5 = 1581 \text{ remainder } 2$$

$$\begin{array}{r} 1581 \\ 5 \overline{) 7907} \\ \underline{7905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 7 = 1129 \text{ remainder } 4$$

$$\begin{array}{r} 1129 \\ 7 \overline{) 7907} \\ \underline{7903} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 11 = 718 \text{ remainder } 9$$

$$\begin{array}{r} 718 \\ 11 \overline{) 7907} \\ \underline{7898} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 13 = 608 \text{ remainder } 3$$

$$\begin{array}{r} 608 \\ 13 \overline{) 7907} \\ \underline{7904} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 17 = 465 \text{ remainder } 2$$

$$\begin{array}{r} 465 \\ 17 \overline{) 7907} \\ \underline{7905} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 19 = 416 \text{ remainder } 3$$

$$\begin{array}{r} 416 \\ 19 \overline{) 7907} \\ \underline{7904} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 23 = 343 \text{ remainder } 18$$

$$\begin{array}{r} 343 \\ 23 \overline{) 7907} \\ \underline{7889} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 29 = 272 \text{ remainder } 19$$

$$\begin{array}{r} 272 \\ 29 \overline{) 7907} \\ \underline{7888} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 31 = 255 \text{ remainder } 2$$

$$\begin{array}{r} 255 \\ 31 \overline{) 7907} \end{array}$$

$$\begin{array}{r} 7905 \\ \text{----} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7907 \div 37 = 213 \text{ remainder } 26$$

$$\begin{array}{r} 213 \\ 37 \overline{) 7907} \\ \underline{7881} \\ 26 \\ \text{----} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$7907 \div 41 = 192 \text{ remainder } 35$$

$$\begin{array}{r} 192 \\ 41 \overline{) 7907} \\ \underline{7872} \\ 35 \\ \text{----} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$7907 \div 43 = 183 \text{ remainder } 38$$

$$\begin{array}{r} 183 \\ 43 \overline{) 7907} \\ \underline{7869} \\ 38 \\ \text{----} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$7907 \div 47 = 168 \text{ remainder } 11$$

$$\begin{array}{r} 168 \\ 47 \overline{) 7907} \\ \underline{7896} \\ 11 \\ \text{----} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$7907 \div 53 = 149 \text{ remainder } 10$$

$$\begin{array}{r} 149 \\ 53 \overline{) 7907} \\ \underline{7897} \\ 10 \\ \text{----} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$7907 \div 59 = 134 \text{ remainder } 1$$

$$\begin{array}{r} 134 \\ 59 \overline{) 7907} \\ \underline{7906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 61 = 129 \text{ remainder } 38$$

$$\begin{array}{r} 129 \\ 61 \overline{) 7907} \\ \underline{7869} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 67 = 118 \text{ remainder } 1$$

$$\begin{array}{r} 118 \\ 67 \overline{) 7907} \\ \underline{7906} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 71 = 111 \text{ remainder } 26$$

$$\begin{array}{r} 111 \\ 71 \overline{) 7907} \\ \underline{7881} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 73 = 108 \text{ remainder } 23$$

$$\begin{array}{r} 108 \\ 73 \overline{) 7907} \\ \underline{7884} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$7907 \div 79 = 100 \text{ remainder } 7$$

$$\begin{array}{r} 100 \\ 79 \overline{) 7907} \end{array}$$



7900

----

7 ← remainder

$7907 \div 83 = 95 \text{ remainder } 22$

83 |  $\overline{95 \over 7907}$   
7885

----

22 ← remainder

## **P<sub>1000</sub> 7919**

$$7919 \div 2 = 3959 \text{ remainder } 1$$

$$\begin{array}{r} 3959 \\ 2 \overline{) 7919} \\ \underline{7918} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 3 = 2639 \text{ remainder } 2$$

$$\begin{array}{r} 2639 \\ 3 \overline{) 7919} \\ \underline{7917} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 5 = 1583 \text{ remainder } 4$$

$$\begin{array}{r} 1583 \\ 5 \overline{) 7919} \\ \underline{7915} \\ 4 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 7 = 1131 \text{ remainder } 2$$

$$\begin{array}{r} 1131 \\ 7 \overline{) 7919} \\ \underline{7917} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 11 = 719 \text{ remainder } 10$$

$$\begin{array}{r} 719 \\ 11 \overline{) 7919} \\ \underline{7909} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 13 = 609 \text{ remainder } 2$$

$$\begin{array}{r} 609 \\ 13 \overline{) 7919} \\ \underline{7917} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 17 = 465 \text{ remainder } 14$$

$$\begin{array}{r} 465 \\ 17 \overline{) 7919} \\ \underline{7905} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 19 = 416 \text{ remainder } 15$$

$$\begin{array}{r} 416 \\ 19 \overline{) 7919} \\ \underline{7904} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 23 = 344 \text{ remainder } 7$$

$$\begin{array}{r} 344 \\ 23 \overline{) 7919} \\ \underline{7912} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 29 = 273 \text{ remainder } 2$$

$$\begin{array}{r} 273 \\ 29 \overline{) 7919} \\ \underline{7917} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 31 = 255 \text{ remainder } 14$$

$$\begin{array}{r} 255 \\ 31 \overline{) 7919} \end{array}$$

7905  
 ----  
 14 ← remainder

$$7919 \div 37 = 214 \text{ remainder } 1$$

214  
 37 | 7919  
 7918  
 ----  
 1 ← remainder

$$7919 \div 41 = 193 \text{ remainder } 6$$

193  
 41 | 7919  
 7913  
 ----  
 6 ← remainder

$$7919 \div 43 = 184 \text{ remainder } 7$$

184  
 43 | 7919  
 7912  
 ----  
 7 ← remainder

$$7919 \div 47 = 168 \text{ remainder } 23$$

168  
 47 | 7919  
 7896  
 ----  
 23 ← remainder

$$7919 \div 53 = 149 \text{ remainder } 22$$

149  
 53 | 7919  
 7897  
 ----  
 22 ← remainder

$$7919 \div 59 = 134 \text{ remainder } 13$$

$$\begin{array}{r} 134 \\ 59 \overline{) 7919} \\ \underline{7906} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 61 = 129 \text{ remainder } 50$$

$$\begin{array}{r} 129 \\ 61 \overline{) 7919} \\ \underline{7869} \\ 50 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 67 = 118 \text{ remainder } 13$$

$$\begin{array}{r} 118 \\ 67 \overline{) 7919} \\ \underline{7906} \\ 13 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 71 = 111 \text{ remainder } 38$$

$$\begin{array}{r} 111 \\ 71 \overline{) 7919} \\ \underline{7881} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 73 = 108 \text{ remainder } 35$$

$$\begin{array}{r} 108 \\ 73 \overline{) 7919} \\ \underline{7884} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$7919 \div 79 = 100 \text{ remainder } 19$$

$$\begin{array}{r} 100 \\ 79 \overline{) 7919} \end{array}$$

7900

----

19 ← remainder

$7919 \div 83 = 95 \text{ remainder } 34$

83 |  $\overline{7919}$   
      95  
       $\overline{7885}$

----

34 ← remainder

