

The First 1000 Prime Empirical Proof in Long Division

P₁ 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>

P₂ 3

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

$$\begin{array}{r} 1 \\ 2 \overline{) 3} \\ \underline{2} \\ 1 \end{array}$$

1 ← remainder

P₃ 5

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

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

P₄ 7

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

$$\begin{array}{r} 3 \\ 2 \overline{) 7} \\ \underline{6} \\ 1 \end{array}$$

1 ← remainder

P₅ 11

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

$$\begin{array}{r} 5 \\ 2 \mid 11 \\ \underline{10} \\ 1 \end{array} \leftarrow \text{remainder}$$

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

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

P₆ 13

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

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

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

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

P₇ 17

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

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

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

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

P₈ 19

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

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

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

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

P₉ 23

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

$$\begin{array}{r} 11 \\ 2 \overline{) 23} \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₀ 29

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

$$\begin{array}{r} 14 \\ 2 \mid 29 \\ \underline{2} \\ 9 \\ \underline{8} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

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

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

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

P₁₁ 31

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

$$\begin{array}{r} 15 \\ 2 \overline{) 31} \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 10 \\ 3 \overline{) 31} \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₂ 37

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

$$\begin{array}{r} 18 \\ 2 \overline{) 37} \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 12 \\ 3 \overline{) 37} \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₃ 41

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

$$\begin{array}{r} 20 \\ 2 \mid 41 \\ \underline{4} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 13 \\ 3 \mid 41 \\ \underline{3} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₄ 43

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

$$\begin{array}{r} 21 \\ 2 \mid 43 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 14 \\ 3 \mid 43 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₅ 47

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

$$\begin{array}{r} 23 \\ 2 \mid 47 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 15 \\ 3 \mid 47 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₆ 53

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

$$\begin{array}{r} 26 \\ 2 \mid 53 \\ \underline{4} \\ 13 \\ \underline{12} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 17 \\ 3 \mid 53 \\ \underline{3} \\ 23 \\ \underline{21} \\ 2 \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 10 \\ 5 \mid 53 \\ \underline{5} \\ 3 \\ \underline{0} \\ 3 \\ 3 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₇ 59

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

$$\begin{array}{r} 29 \\ 2 \overline{) 59} \\ \underline{4} \\ 19 \\ \underline{18} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 19 \\ 3 \overline{) 59} \\ \underline{3} \\ 29 \\ \underline{27} \\ 2 \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 11 \\ 5 \overline{) 59} \\ \underline{5} \\ 9 \\ \underline{5} \\ 4 \\ 4 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₈ 61

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

$$\begin{array}{r} 30 \\ 2 \mid 61 \\ \underline{6} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 20 \\ 3 \mid 61 \\ \underline{6} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 12 \\ 5 \mid 61 \\ \underline{5} \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

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

P₁₉ 67

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

$$\begin{array}{r} 33 \\ 2 \overline{) 67} \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 22 \\ 3 \overline{) 67} \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 13 \\ 5 \overline{) 67} \\ \underline{5} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

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

P₂₀ 71

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

$$\begin{array}{r} 35 \\ 2 \overline{) 71} \\ \underline{6} \\ 11 \\ \underline{10} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 23 \\ 3 \overline{) 71} \\ \underline{6} \\ 11 \\ \underline{9} \\ 2 \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 14 \\ 5 \overline{) 71} \\ \underline{5} \\ 21 \\ \underline{20} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

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

0
-
1 ← remainder

P₂₁ 73

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

$$\begin{array}{r} 36 \\ 2 \mid 73 \\ \underline{6} \\ 13 \\ \underline{12} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 24 \\ 3 \mid 73 \\ \underline{6} \\ 13 \\ \underline{12} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 14 \\ 5 \mid 73 \\ \underline{5} \\ 23 \\ \underline{20} \\ 3 \\ 3 \leftarrow \text{remainder} \end{array}$$

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

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

0
-
3 ← remainder

P₂₂ 79

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

$$\begin{array}{r} 39 \\ 2 \overline{) 79} \\ \underline{6} \\ 19 \\ \underline{18} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 26 \\ 3 \overline{) 79} \\ \underline{6} \\ 19 \\ \underline{18} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 15 \\ 5 \overline{) 79} \\ \underline{5} \\ 29 \\ \underline{25} \\ 4 \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 11 \\ 7 \overline{) 79} \\ \underline{7} \\ 9 \\ \underline{9} \\ 0 \end{array}$$

7
-
2 ← remainder

P₂₃ 83

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

$$\begin{array}{r} 41 \\ 2 \overline{) 83} \\ \underline{8} \\ 3 \\ \underline{2} \\ 1 \end{array} \leftarrow \text{remainder}$$

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

$$\begin{array}{r} 27 \\ 3 \overline{) 83} \\ \underline{6} \\ 23 \\ \underline{21} \\ 2 \end{array} \leftarrow \text{remainder}$$

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

$$\begin{array}{r} 16 \\ 5 \overline{) 83} \\ \underline{5} \\ 33 \\ \underline{30} \\ 3 \end{array} \leftarrow \text{remainder}$$

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

$$\begin{array}{r} 11 \\ 7 \overline{) 83} \\ \underline{7} \\ 13 \end{array}$$

7
-
6 ← remainder

P₂₄ 89

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

$$\begin{array}{r} 44 \\ 2 \mid 89 \\ \underline{8} \\ 9 \\ \underline{8} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 29 \\ 3 \mid 89 \\ \underline{6} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 17 \\ 5 \mid 89 \\ \underline{5} \\ 39 \\ \underline{35} \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 12 \\ 7 \mid 89 \\ \underline{7} \\ 19 \end{array}$$

14

--

5 ← remainder

P₂₅ 97

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

$$\begin{array}{r} 48 \\ 2 \mid 97 \\ \underline{8} \\ 17 \\ \underline{16} \\ 1 \end{array} \leftarrow \text{remainder}$$

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

$$\begin{array}{r} 32 \\ 3 \mid 97 \\ \underline{9} \\ 7 \\ \underline{6} \\ 1 \end{array} \leftarrow \text{remainder}$$

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

$$\begin{array}{r} 19 \\ 5 \mid 97 \\ \underline{5} \\ 47 \\ \underline{45} \\ 2 \end{array} \leftarrow \text{remainder}$$

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

$$\begin{array}{r} 13 \\ 7 \mid 97 \\ \underline{7} \\ 27 \end{array}$$

21

--

6 ← remainder

P₂₆ 101

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

$$\begin{array}{r} 50 \\ 2 \mid 101 \\ \underline{10} \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 33 \\ 3 \mid 101 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 20 \\ 5 \mid 101 \\ \underline{10} \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 14 \\ 7 \mid 101 \\ \underline{7} \\ - \\ 31 \end{array}$$

28

--

3 ← remainder

P₂₇ 103

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

$$\begin{array}{r} 51 \\ 2 \mid 103 \\ \underline{10} \\ 3 \\ \underline{2} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 34 \\ 3 \mid 103 \\ \underline{9} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 20 \\ 5 \mid 103 \\ \underline{10} \\ 3 \\ \underline{0} \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 14 \\ 7 \mid 103 \\ \underline{7} \\ 33 \end{array}$$

28

--

5 ← remainder

P₂₈ 107

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

$$\begin{array}{r} 53 \\ 2 \mid 107 \\ \underline{10} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 35 \\ 3 \mid 107 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 21 \\ 5 \mid 107 \\ \underline{10} \\ - \\ 7 \\ \underline{5} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 15 \\ 7 \mid 107 \\ \underline{7} \\ - \\ 37 \end{array}$$

35

--

2 ← remainder

P₂₉ 109

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

$$\begin{array}{r} 54 \\ 2 \mid 109 \\ \underline{10} \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 36 \\ 3 \mid 109 \\ \underline{9} \\ - \\ 19 \\ 18 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 21 \\ 5 \mid 109 \\ \underline{10} \\ - \\ 9 \\ 5 \\ - \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 15 \\ 7 \mid 109 \\ \underline{7} \\ - \\ 39 \end{array}$$

35

--

4 ← remainder

P₃₀ 113

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

$$\begin{array}{r} 56 \\ 2 \mid 113 \\ 10 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 37 \\ 3 \mid 113 \\ 9 \\ - \\ 23 \\ 21 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 22 \\ 5 \mid 113 \\ 10 \\ -- \\ 13 \\ 10 \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 16 \\ 7 \mid 113 \\ 7 \\ - \\ 43 \end{array}$$

42

--

1 ← remainder

P₃₁ 127

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

$$\begin{array}{r} 63 \\ 2 \mid 127 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 42 \\ 3 \mid 127 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 25 \\ 5 \mid 127 \\ \underline{10} \\ - - \\ 27 \\ \underline{25} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 18 \\ 7 \mid 127 \\ \underline{7} \\ - \\ 57 \end{array}$$

56

--

1 \leftarrow remainder

$127 \div 11 = 11$ remainder 6

11

11 | 127

11

--

17

11

--

6 \leftarrow remainder

P₃₂ 131

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

$$\begin{array}{r} 65 \\ 2 \mid 131 \\ \underline{12} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 43 \\ 3 \mid 131 \\ \underline{12} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 26 \\ 5 \mid 131 \\ \underline{10} \\ -- \\ 31 \\ \underline{30} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 18 \\ 7 \mid 131 \\ \underline{7} \\ - \\ 61 \end{array}$$

56

--

5 ← remainder

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

11

11 | 131

11

--

21

11

--

10 ← remainder

P₃₃ 137

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

$$\begin{array}{r} 68 \\ 2 \mid 137 \\ \underline{12} \\ 17 \\ \underline{16} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 45 \\ 3 \mid 137 \\ \underline{12} \\ 17 \\ \underline{15} \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 27 \\ 5 \mid 137 \\ \underline{10} \\ 37 \\ \underline{35} \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 19 \\ 7 \mid 137 \\ \underline{7} \\ - \\ 67 \end{array}$$

63

--

4 ← remainder

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

12

11 | 137

11

--

27

22

--

5 ← remainder

P₃₄ 139

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

$$\begin{array}{r} 69 \\ 2 \mid 139 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 46 \\ 3 \mid 139 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 27 \\ 5 \mid 139 \\ \underline{10} \\ -- \\ 39 \\ \underline{35} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 19 \\ 7 \mid 139 \\ \underline{7} \\ - \\ 69 \end{array}$$

63

--

6 ← remainder

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

12

11 | 139

11

--

29

22

--

7 ← remainder

P₃₅ 149

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

$$\begin{array}{r} 74 \\ 2 \mid 149 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 49 \\ 3 \mid 149 \\ \underline{12} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 29 \\ 5 \mid 149 \\ \underline{10} \\ - - \\ 49 \\ \underline{45} \\ - - \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 21 \\ 7 \mid 149 \\ \underline{14} \\ - - \\ 9 \end{array}$$

7

-

2 \leftarrow remainder

$149 \div 11 = 13$ remainder 6

13

11 | 149

11

--

39

33

--

6 \leftarrow remainder

P₃₆ 151

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

$$\begin{array}{r} 75 \\ 2 \mid 151 \\ \underline{14} \\ 11 \\ \underline{10} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 50 \\ 3 \mid 151 \\ \underline{15} \\ 1 \\ \underline{0} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 30 \\ 5 \mid 151 \\ \underline{15} \\ 1 \\ \underline{0} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 21 \\ 7 \mid 151 \\ \underline{14} \\ 11 \\ \underline{11} \\ 0 \end{array}$$

7

-

4 \leftarrow remainder

$151 \div 11 = 13$ remainder 8

13

11 | 151

11

--

41

33

--

8 \leftarrow remainder

P₃₇ 157

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

$$\begin{array}{r} 78 \\ 2 \mid 157 \\ \underline{14} \\ 17 \\ \underline{16} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 52 \\ 3 \mid 157 \\ \underline{15} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 31 \\ 5 \mid 157 \\ \underline{15} \\ 7 \\ \underline{5} \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 22 \\ 7 \mid 157 \\ \underline{14} \\ 17 \end{array}$$

14

--

3 ← remainder

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

14

11 | 157

11

--

47

44

--

3 ← remainder

P₃₈ 163

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

$$\begin{array}{r} 81 \\ 2 \mid 163 \\ \underline{16} \\ -- \\ 3 \\ 2 \\ \underline{-} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 54 \\ 3 \mid 163 \\ \underline{15} \\ -- \\ 13 \\ 12 \\ \underline{-} \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 32 \\ 5 \mid 163 \\ \underline{15} \\ -- \\ 13 \\ 10 \\ \underline{-} \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 23 \\ 7 \mid 163 \\ \underline{14} \\ -- \\ 23 \end{array}$$

21

--

2 \leftarrow remainder

$163 \div 11 = 14$ remainder 9

14

11 | 163

11

--

53

44

--

9 \leftarrow remainder

P₃₉ 167

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

$$\begin{array}{r} 83 \\ 2 \mid 167 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 55 \\ 3 \mid 167 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 33 \\ 5 \mid 167 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 23 \\ 7 \mid 167 \\ \underline{14} \\ -- \\ 27 \end{array}$$

21

--

6 \leftarrow remainder

$167 \div 11 = 15$ remainder 2

15

11 | 167

11

--

57

55

--

2 \leftarrow remainder

P₄₀ 173

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

$$\begin{array}{r} 86 \\ 2 \mid 173 \\ \underline{16} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 57 \\ 3 \mid 173 \\ \underline{15} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 34 \\ 5 \mid 173 \\ \underline{15} \\ -- \\ 23 \\ \underline{20} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 24 \\ 7 \mid 173 \\ \underline{14} \\ -- \\ 33 \end{array}$$

28

--

5 ← remainder

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

15

11 | 173

11

--

63

55

--

8 ← remainder

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

13

13 | 173

13

--

43

39

--

4 ← remainder

P₄₁ 179

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

$$\begin{array}{r} 89 \\ 2 \mid 179 \\ \underline{16} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 59 \\ 3 \mid 179 \\ \underline{15} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 35 \\ 5 \mid 179 \\ \underline{15} \\ -- \\ 29 \\ \underline{25} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 25 \\ 7 \mid 179 \\ \underline{14} \\ -- \\ 39 \end{array}$$

35

--

4 ← remainder

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

16

11 | 179

11

--

69

66

--

3 ← remainder

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

13

13 | 179

13

--

49

39

--

10 ← remainder

P₄₂ 181

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

$$\begin{array}{r} 90 \\ 2 \mid 181 \\ \underline{18} \\ -- \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 60 \\ 3 \mid 181 \\ \underline{18} \\ -- \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 36 \\ 5 \mid 181 \\ \underline{15} \\ -- \\ 31 \\ \underline{30} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 25 \\ 7 \mid 181 \\ \underline{14} \\ -- \\ 41 \end{array}$$

35

--

6 ← remainder

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

16

11 | 181

11

--

71

66

--

5 ← remainder

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

13

13 | 181

13

--

51

39

--

12 ← remainder

P₄₃ 191

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

$$\begin{array}{r} 95 \\ 2 \mid 191 \\ \underline{18} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 63 \\ 3 \mid 191 \\ \underline{18} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 38 \\ 5 \mid 191 \\ \underline{15} \\ -- \\ 41 \\ \underline{40} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 27 \\ 7 \mid 191 \\ \underline{14} \\ -- \\ 51 \end{array}$$

49

--

2 ← remainder

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

17

11 | 191

11

--

81

77

--

4 ← remainder

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

14

13 | 191

13

--

61

52

--

9 ← remainder

P₄₄ 193

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

$$\begin{array}{r} 96 \\ 2 \mid 193 \\ \underline{18} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 64 \\ 3 \mid 193 \\ \underline{18} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 38 \\ 5 \mid 193 \\ \underline{15} \\ -- \\ 43 \\ \underline{40} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 27 \\ 7 \mid 193 \\ \underline{14} \\ -- \\ 53 \end{array}$$

49

--

4 ← remainder

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

17

11 | 193

11

--

83

77

--

6 ← remainder

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

14

13 | 193

13

--

63

52

--

11 ← remainder

P₄₅ 197

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

$$\begin{array}{r} 98 \\ 2 \mid 197 \\ \underline{18} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 65 \\ 3 \mid 197 \\ \underline{18} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 39 \\ 5 \mid 197 \\ \underline{15} \\ -- \\ 47 \\ \underline{45} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 28 \\ 7 \mid 197 \\ \underline{14} \\ -- \\ 57 \end{array}$$

56

--

1 \leftarrow remainder

$197 \div 11 = 17$ remainder 10

17

11 | 197

11

--

87

77

--

10 \leftarrow remainder

$197 \div 13 = 15$ remainder 2

15

13 | 197

13

--

67

65

--

2 \leftarrow remainder

P₄₆ 199

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

$$\begin{array}{r} 99 \\ 2 \mid 199 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 66 \\ 3 \mid 199 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 39 \\ 5 \mid 199 \\ 15 \\ -- \\ 49 \\ 45 \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 28 \\ 7 \mid 199 \\ 14 \\ -- \\ 59 \end{array}$$

56

--

3 ← remainder

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

18

11 | 199

11

--

89

88

--

1 ← remainder

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

15

13 | 199

13

--

69

65

--

4 ← remainder

P₄₇ 211

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

$$\begin{array}{r} 105 \\ 2 \overline{) 211} \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 70 \\ 3 \overline{) 211} \\ \underline{21} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 42 \\ 5 \overline{) 211} \\ \underline{20} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 30 \\ 7 \overline{) 211} \end{array}$$

```

21
--
1
0
-
1 ← remainder

```

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

```

      19
11 | 211
    11
    --
    101
    99
    --
    2 ← remainder

```

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

```

      16
13 | 211
    13
    --
    81
    78
    --
    3 ← remainder

```

P₄₈ 223

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

$$\begin{array}{r} 111 \\ 2 \overline{) 223} \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 74 \\ 3 \overline{) 223} \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 44 \\ 5 \overline{) 223} \\ \underline{20} \\ -- \\ 23 \\ \underline{20} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 31 \\ 7 \overline{) 223} \end{array}$$

```

21
--
13
7
-
6 ← remainder

```

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

```

      20
11 | 223
    22
    --
     3
     0
     -
     3 ← remainder

```

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

```

      17
13 | 223
    13
    --
    93
    91
    --
     2 ← remainder

```

P₄₉ 227

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

$$\begin{array}{r} 113 \\ 2 \overline{) 227} \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 75 \\ 3 \overline{) 227} \\ \underline{21} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 45 \\ 5 \overline{) 227} \\ \underline{20} \\ -- \\ 27 \\ \underline{25} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 32 \\ 7 \overline{) 227} \end{array}$$

```

21
--
17
14
--
3 ← remainder

```

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

```

      20
11 | 227
    22
    --
     7
     0
     -
     7 ← remainder

```

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

```

      17
13 | 227
    13
    --
    97
    91
    --
     6 ← remainder

```


P₅₀ 229

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

$$\begin{array}{r} 114 \\ 2 \overline{) 229} \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 76 \\ 3 \overline{) 229} \\ \underline{21} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 45 \\ 5 \overline{) 229} \\ \underline{20} \\ -- \\ 29 \\ \underline{25} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 32 \\ 7 \overline{) 229} \end{array}$$

```

21
--
19
14
--
5 ← remainder

```

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

```

      20
11 | 229
    22
    --
     9
     0
     -
     9 ← remainder

```

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

```

      17
13 | 229
    13
    --
    99
    91
    --
     8 ← remainder

```

P₅₁ 233

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

$$\begin{array}{r} 116 \\ 2 \mid 233 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 77 \\ 3 \mid 233 \\ \underline{21} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 46 \\ 5 \mid 233 \\ \underline{20} \\ - \\ 33 \\ \underline{30} \\ - \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 33 \\ 7 \mid 233 \end{array}$$

```

21
--
23
21
--
2 ← remainder

```

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

```

      21
11 | 233
    22
    --
    13
    11
    --
    2 ← remainder

```

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

```

      17
13 | 233
    13
    --
    103
    91
    --
    12 ← remainder

```

P₅₂ 239

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

$$\begin{array}{r} 119 \\ 2 \overline{) 239} \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 79 \\ 3 \overline{) 239} \\ \underline{21} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 47 \\ 5 \overline{) 239} \\ \underline{20} \\ - - \\ 39 \\ \underline{35} \\ - - \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 34 \\ 7 \overline{) 239} \end{array}$$

```

21
--
29
28
--
1 ← remainder

```

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

```

      21
11 | 239
    22
    --
    19
    11
    --
    8 ← remainder

```

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

```

      18
13 | 239
    13
    --
    109
    104
    ---
    5 ← remainder

```

P₅₃ 241

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

$$\begin{array}{r} 120 \\ 2 \mid 241 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 80 \\ 3 \mid 241 \\ \underline{24} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 48 \\ 5 \mid 241 \\ \underline{20} \\ - - \\ 41 \\ \underline{40} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 34 \\ 7 \mid 241 \end{array}$$

```

21
--
31
28
--
3 ← remainder

```

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

```

      21
11 | 241
    22
    --
    21
    11
    --
    10 ← remainder

```

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

```

      18
13 | 241
    13
    --
    111
    104
    ---
    7 ← remainder

```


P₅₄ 251

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

$$\begin{array}{r} 125 \\ 2 \overline{) 251} \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 83 \\ 3 \overline{) 251} \\ \underline{24} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 50 \\ 5 \overline{) 251} \\ \underline{25} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 35 \\ 7 \overline{) 251} \end{array}$$

```

21
--
41
35
--
6 ← remainder

```

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

```

      22
11 | 251
    22
    --
     31
     22
     --
      9 ← remainder

```

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

```

      19
13 | 251
    13
    --
    121
    117
    ---
     4 ← remainder

```

P₅₅ 257

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

$$\begin{array}{r} 128 \\ 2 \mid 257 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 85 \\ 3 \mid 257 \\ \underline{24} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 51 \\ 5 \mid 257 \\ \underline{25} \\ - - \\ 7 \\ \underline{5} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 36 \\ 7 \mid 257 \end{array}$$

```

21
--
47
42
--
5 ← remainder

```

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

```

      23
11 | 257
    22
    --
     37
     33
     --
      4 ← remainder

```

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

```

      19
13 | 257
    13
    --
    127
    117
    ---
     10 ← remainder

```

P₅₆ 263

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

$$\begin{array}{r} 131 \\ 2 \overline{) 263} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 87 \\ 3 \overline{) 263} \\ \underline{24} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 52 \\ 5 \overline{) 263} \\ \underline{25} \\ -- \\ 13 \\ \underline{10} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 37 \\ 7 \overline{) 263} \end{array}$$

```

21
--
53
49
--
4 ← remainder

```

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

```

      23
11 | 263
    22
    --
    43
    33
    --
    10 ← remainder

```

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

```

      20
13 | 263
    26
    --
     3
     0
     -
     3 ← remainder

```

P₅₇ 269

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

$$\begin{array}{r} 134 \\ 2 \overline{) 269} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 89 \\ 3 \overline{) 269} \\ \underline{24} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 53 \\ 5 \overline{) 269} \\ \underline{25} \\ -- \\ 19 \\ \underline{15} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 38 \\ 7 \overline{) 269} \end{array}$$

```

21
--
59
56
--
3 ← remainder

```

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

```

      24
11 | 269
    22
    --
    49
    44
    --
    5 ← remainder

```

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

```

      20
13 | 269
    26
    --
     9
     0
     -
     9 ← remainder

```


P₅₈ 271

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

$$\begin{array}{r} 135 \\ 2 \overline{) 271} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 90 \\ 3 \overline{) 271} \\ \underline{27} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 54 \\ 5 \overline{) 271} \\ \underline{25} \\ - - \\ 21 \\ \underline{20} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 38 \\ 7 \overline{) 271} \end{array}$$

```

21
--
61
56
--
5 ← remainder

```

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

```

      24
11 | 271
    22
    --
     51
     44
     --
      7 ← remainder

```

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

```

      20
13 | 271
    26
    --
     11
     0
     -
     11 ← remainder

```

P₅₉ 277

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

$$\begin{array}{r} 138 \\ 2 \overline{) 277} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 92 \\ 3 \overline{) 277} \\ \underline{27} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 55 \\ 5 \overline{) 277} \\ \underline{25} \\ - - \\ 27 \\ \underline{25} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 39 \\ 7 \overline{) 277} \end{array}$$

```

21
--
67
63
--
4 ← remainder

```

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

```

      25
11 | 277
    22
    --
    57
    55
    --
    2 ← remainder

```

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

```

      21
13 | 277
    26
    --
    17
    13
    --
    4 ← remainder

```

P₆₀ 281

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

$$\begin{array}{r} 140 \\ 2 \overline{) 281} \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 93 \\ 3 \overline{) 281} \\ \underline{27} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 56 \\ 5 \overline{) 281} \\ \underline{25} \\ - - \\ 31 \\ \underline{30} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 40 \\ 7 \overline{) 281} \end{array}$$

```

28
--
1
0
-
1 ← remainder

```

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

```

      25
11 | 281
    22
    --
    61
    55
    --
    6 ← remainder

```

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

```

      21
13 | 281
    26
    --
    21
    13
    --
    8 ← remainder

```

P₆₁ 283

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

$$\begin{array}{r} 141 \\ 2 \overline{) 283} \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 94 \\ 3 \overline{) 283} \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 56 \\ 5 \overline{) 283} \\ \underline{25} \\ -- \\ 33 \\ \underline{30} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 40 \\ 7 \overline{) 283} \end{array}$$

```

28
--
3
0
-
3 ← remainder

```

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

```

      25
11 | 283
    22
    --
    63
    55
    --
    8 ← remainder

```

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

```

      21
13 | 283
    26
    --
    23
    13
    --
    10 ← remainder

```


P₆₂ 293

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

$$\begin{array}{r} 146 \\ 2 \overline{) 293} \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 97 \\ 3 \overline{) 293} \\ \underline{27} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 58 \\ 5 \overline{) 293} \\ \underline{25} \\ - - \\ 43 \\ \underline{40} \\ - - \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 41 \\ 7 \overline{) 293} \end{array}$$

```

28
--
13
7
-
6 ← remainder

```

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

```

      26
11 | 293
    22
    --
    73
    66
    --
    7 ← remainder

```

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

```

      22
13 | 293
    26
    --
    33
    26
    --
    7 ← remainder

```

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

```

      17
17 | 293
    17
    --
    123
    119
    ---
    4 ← remainder

```

P₆₃ 307

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

$$\begin{array}{r} 153 \\ 2 \overline{) 307} \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 102 \\ 3 \overline{) 307} \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 61 \\ 5 \overline{) 307} \\ \underline{30} \\ -- \\ 7 \\ \underline{5} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

```

      43
7 | 307
  28
  --
  27
  21
  --
    6 ← remainder

```

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

```

      27
11 | 307
   22
   --
   87
   77
   --
    10 ← remainder

```

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

```

      23
13 | 307
   26
   --
   47
   39
   --
     8 ← remainder

```

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

```

      18
17 | 307
   17
   --
  137
  136
  ---
    1 ← remainder

```

P₆₄ 311

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

$$\begin{array}{r} 155 \\ 2 \overline{) 311} \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 103 \\ 3 \overline{) 311} \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 62 \\ 5 \overline{) 311} \\ \underline{30} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 44 \\
 7 \mid 311 \\
 28 \\
 -- \\
 31 \\
 28 \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 28 \\
 11 \mid 311 \\
 22 \\
 -- \\
 91 \\
 88 \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 23 \\
 13 \mid 311 \\
 26 \\
 -- \\
 51 \\
 39 \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 18 \\
 17 \mid 311 \\
 17 \\
 -- \\
 141 \\
 136 \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

P₆₅ 313

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

$$\begin{array}{r} 156 \\ 2 \overline{) 313} \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 104 \\ 3 \overline{) 313} \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 62 \\ 5 \overline{) 313} \\ \underline{30} \\ -- \\ 13 \\ \underline{10} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 44 \\
 7 \mid 313 \\
 28 \\
 -- \\
 33 \\
 28 \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 28 \\
 11 \mid 313 \\
 22 \\
 -- \\
 93 \\
 88 \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 24 \\
 13 \mid 313 \\
 26 \\
 -- \\
 53 \\
 52 \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 18 \\
 17 \mid 313 \\
 17 \\
 -- \\
 143 \\
 136 \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

P₆₆ 317

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

$$\begin{array}{r} 158 \\ 2 \overline{) 317} \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 105 \\ 3 \overline{) 317} \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 63 \\ 5 \overline{) 317} \\ \underline{30} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 45 \\
 7 \mid 317 \\
 28 \\
 \text{--} \\
 37 \\
 35 \\
 \text{--} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 28 \\
 11 \mid 317 \\
 22 \\
 \text{--} \\
 97 \\
 88 \\
 \text{--} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 24 \\
 13 \mid 317 \\
 26 \\
 \text{--} \\
 57 \\
 52 \\
 \text{--} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 18 \\
 17 \mid 317 \\
 17 \\
 \text{--} \\
 147 \\
 136 \\
 \text{---} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

P₆₇ 331

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

$$\begin{array}{r} 165 \\ 2 \overline{) 331} \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 110 \\ 3 \overline{) 331} \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 66 \\ 5 \overline{) 331} \\ \underline{30} \\ - - \\ 31 \\ \underline{30} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

```

    47
7 | 331
   28
   --
   51
   49
   --
   2 ← remainder

```

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

```

    30
11 | 331
   33
   --
    1
    0
    -
    1 ← remainder

```

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

```

    25
13 | 331
   26
   --
   71
   65
   --
    6 ← remainder

```

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

```

    19
17 | 331
   17
   --
  161
  153
  ---
    8 ← remainder

```

P₆₈ 337

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

$$\begin{array}{r} 168 \\ 2 \mid 337 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 112 \\ 3 \mid 337 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 67 \\ 5 \mid 337 \\ \underline{30} \\ -- \\ 37 \\ \underline{35} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

```

      48
7 | 337
   28
   --
   57
   56
   --
   1 ← remainder

```

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

```

      30
11 | 337
   33
   --
    7
    0
    -
    7 ← remainder

```

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

```

      25
13 | 337
   26
   --
   77
   65
   --
   12 ← remainder

```

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

```

      19
17 | 337
   17
   --
  167
  153
  ---
   14 ← remainder

```

P₆₉ 347

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

$$\begin{array}{r} 173 \\ 2 \overline{) 347} \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 115 \\ 3 \overline{) 347} \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 69 \\ 5 \overline{) 347} \\ \underline{30} \\ -- \\ 47 \\ \underline{45} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 49 \\
 7 \mid 347 \\
 28 \\
 -- \\
 67 \\
 63 \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 31 \\
 11 \mid 347 \\
 33 \\
 -- \\
 17 \\
 11 \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 26 \\
 13 \mid 347 \\
 26 \\
 -- \\
 87 \\
 78 \\
 -- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 20 \\
 17 \mid 347 \\
 34 \\
 -- \\
 7 \\
 0 \\
 - \\
 7 \leftarrow \text{remainder}
 \end{array}$$

P₇₀ 349

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

$$\begin{array}{r} 174 \\ 2 \overline{) 349} \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 116 \\ 3 \overline{) 349} \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 69 \\ 5 \overline{) 349} \\ \underline{30} \\ - - \\ 49 \\ \underline{45} \\ - - \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 49 \\
 7 \mid 349 \\
 \underline{28} \\
 69 \\
 \underline{63} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 31 \\
 11 \mid 349 \\
 \underline{33} \\
 19 \\
 \underline{11} \\
 8 \\
 8 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 26 \\
 13 \mid 349 \\
 \underline{26} \\
 89 \\
 \underline{78} \\
 11 \\
 11 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 20 \\
 17 \mid 349 \\
 \underline{34} \\
 9 \\
 \underline{0} \\
 9 \\
 9 \leftarrow \text{remainder}
 \end{array}$$

P₇₁ 353

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

$$\begin{array}{r} 176 \\ 2 \overline{) 353} \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 117 \\ 3 \overline{) 353} \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 70 \\ 5 \overline{) 353} \\ \underline{35} \\ -- \\ 3 \\ \underline{0} \\ - \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 50 \\
 7 \mid 353 \\
 35 \\
 \hline
 3 \\
 0 \\
 \hline
 3 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 32 \\
 11 \mid 353 \\
 33 \\
 \hline
 23 \\
 22 \\
 \hline
 1 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 27 \\
 13 \mid 353 \\
 26 \\
 \hline
 93 \\
 91 \\
 \hline
 2 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 20 \\
 17 \mid 353 \\
 34 \\
 \hline
 13 \\
 0 \\
 \hline
 13 \leftarrow \text{remainder}
 \end{array}$$

P₇₂ 359

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

$$\begin{array}{r} 179 \\ 2 \overline{) 359} \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 119 \\ 3 \overline{) 359} \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 71 \\ 5 \overline{) 359} \\ \underline{35} \\ - - \\ 9 \\ \underline{5} \\ - \\ 4 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 51 \\
 7 \mid 359 \\
 \underline{35} \\
 9 \\
 \underline{7} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 32 \\
 11 \mid 359 \\
 \underline{33} \\
 29 \\
 \underline{22} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 27 \\
 13 \mid 359 \\
 \underline{26} \\
 99 \\
 \underline{91} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 21 \\
 17 \mid 359 \\
 \underline{34} \\
 19 \\
 \underline{17} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

P₇₃ 367

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

$$\begin{array}{r} 183 \\ 2 \overline{) 367} \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 122 \\ 3 \overline{) 367} \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 73 \\ 5 \overline{) 367} \\ \underline{35} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 52 \\
 7 \mid 367 \\
 35 \\
 \text{--} \\
 17 \\
 14 \\
 \text{--} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 33 \\
 11 \mid 367 \\
 33 \\
 \text{--} \\
 37 \\
 33 \\
 \text{--} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 28 \\
 13 \mid 367 \\
 26 \\
 \text{--} \\
 107 \\
 104 \\
 \text{---} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 21 \\
 17 \mid 367 \\
 34 \\
 \text{--} \\
 27 \\
 17 \\
 \text{--} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

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

| | | |
|----|----|---------------|
| | 19 | |
| 19 | | 367 |
| | | 19 |
| | | -- |
| | | 177 |
| | | 171 |
| | | --- |
| | | 6 ← remainder |

P₇₄ 373

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

$$\begin{array}{r} 186 \\ 2 \overline{) 373} \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 124 \\ 3 \overline{) 373} \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r} 74 \\ 5 \overline{) 373} \\ \underline{35} \\ -- \\ 23 \\ \underline{20} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

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

$$\begin{array}{r}
 53 \\
 7 \mid 373 \\
 \underline{35} \\
 23 \\
 \underline{21} \\
 2 \\
 2 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 33 \\
 11 \mid 373 \\
 \underline{33} \\
 43 \\
 \underline{33} \\
 10 \\
 10 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 28 \\
 13 \mid 373 \\
 \underline{26} \\
 113 \\
 \underline{104} \\
 9 \\
 9 \leftarrow \text{remainder}
 \end{array}$$

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

$$\begin{array}{r}
 21 \\
 17 \mid 373 \\
 \underline{34} \\
 33 \\
 \underline{17} \\
 16 \\
 16 \leftarrow \text{remainder}
 \end{array}$$

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

| | | |
|----|----|----------------|
| | 19 | |
| 19 | | 373 |
| | | 19 |
| | | -- |
| | | 183 |
| | | 171 |
| | | --- |
| | | 12 ← remainder |

P₇₅ 379

$$379 \div 2 = 189 \text{ remainder } 1$$

$$\begin{array}{r} 189 \\ 2 \overline{) 379} \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$379 \div 3 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 3 \overline{) 379} \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$379 \div 5 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 5 \overline{) 379} \\ \underline{35} \\ - - \\ 29 \\ \underline{25} \\ - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$379 \div 7 = 54 \text{ remainder } 1$$

$$\begin{array}{r}
 54 \\
 7 \mid 379 \\
 35 \\
 -- \\
 29 \\
 28 \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$379 \div 11 = 34 \text{ remainder } 5$$

$$\begin{array}{r}
 34 \\
 11 \mid 379 \\
 33 \\
 -- \\
 49 \\
 44 \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$379 \div 13 = 29 \text{ remainder } 2$$

$$\begin{array}{r}
 29 \\
 13 \mid 379 \\
 26 \\
 -- \\
 119 \\
 117 \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$379 \div 17 = 22 \text{ remainder } 5$$

$$\begin{array}{r}
 22 \\
 17 \mid 379 \\
 34 \\
 -- \\
 39 \\
 34 \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$379 \div 19 = 19 \text{ remainder } 18$$

| | | |
|----|----|----------------|
| | 19 | |
| 19 | | 379 |
| | | 19 |
| | | -- |
| | | 189 |
| | | 171 |
| | | --- |
| | | 18 ← remainder |

P₇₆ 383

$$383 \div 2 = 191 \text{ remainder } 1$$

$$\begin{array}{r} 191 \\ 2 \overline{) 383} \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$383 \div 3 = 127 \text{ remainder } 2$$

$$\begin{array}{r} 127 \\ 3 \overline{) 383} \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$383 \div 5 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 5 \overline{) 383} \\ \underline{35} \\ -- \\ 33 \\ \underline{30} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

$$383 \div 7 = 54 \text{ remainder } 5$$

$$\begin{array}{r}
 54 \\
 7 \mid 383 \\
 35 \\
 -- \\
 33 \\
 28 \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$383 \div 11 = 34 \text{ remainder } 9$$

$$\begin{array}{r}
 34 \\
 11 \mid 383 \\
 33 \\
 -- \\
 53 \\
 44 \\
 -- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$383 \div 13 = 29 \text{ remainder } 6$$

$$\begin{array}{r}
 29 \\
 13 \mid 383 \\
 26 \\
 -- \\
 123 \\
 117 \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$383 \div 17 = 22 \text{ remainder } 9$$

$$\begin{array}{r}
 22 \\
 17 \mid 383 \\
 34 \\
 -- \\
 43 \\
 34 \\
 -- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$383 \div 19 = 20 \text{ remainder } 3$$

| | | |
|----|----|---------------|
| | 20 | |
| 19 | | 383 |
| | | 38 |
| | | -- |
| | | 3 |
| | | 0 |
| | | - |
| | | 3 ← remainder |

P₇₇ 389

$$389 \div 2 = 194 \text{ remainder } 1$$

$$\begin{array}{r} 194 \\ 2 \overline{) 389} \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$389 \div 3 = 129 \text{ remainder } 2$$

$$\begin{array}{r} 129 \\ 3 \overline{) 389} \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$389 \div 5 = 77 \text{ remainder } 4$$

$$\begin{array}{r} 77 \\ 5 \overline{) 389} \\ \underline{35} \\ -- \\ 39 \\ \underline{35} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

$$389 \div 7 = 55 \text{ remainder } 4$$

$$\begin{array}{r}
 55 \\
 7 \mid 389 \\
 \underline{35} \\
 -- \\
 39 \\
 \underline{35} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$389 \div 11 = 35 \text{ remainder } 4$$

$$\begin{array}{r}
 35 \\
 11 \mid 389 \\
 \underline{33} \\
 -- \\
 59 \\
 \underline{55} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$389 \div 13 = 29 \text{ remainder } 12$$

$$\begin{array}{r}
 29 \\
 13 \mid 389 \\
 \underline{26} \\
 -- \\
 129 \\
 \underline{117} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$389 \div 17 = 22 \text{ remainder } 15$$

$$\begin{array}{r}
 22 \\
 17 \mid 389 \\
 \underline{34} \\
 -- \\
 49 \\
 \underline{34} \\
 -- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$389 \div 19 = 20 \text{ remainder } 9$$

| | | |
|----|----|---------------|
| | 20 | |
| 19 | | 389 |
| | | 38 |
| | | -- |
| | | 9 |
| | | 0 |
| | | - |
| | | 9 ← remainder |

P₇₈ 397

$$397 \div 2 = 198 \text{ remainder } 1$$

$$\begin{array}{r} 198 \\ 2 \overline{) 397} \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$397 \div 3 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 3 \overline{) 397} \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$397 \div 5 = 79 \text{ remainder } 2$$

$$\begin{array}{r} 79 \\ 5 \overline{) 397} \\ \underline{35} \\ -- \\ 47 \\ \underline{45} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$397 \div 7 = 56 \text{ remainder } 5$$

$$\begin{array}{r}
 56 \\
 7 \mid 397 \\
 35 \\
 \text{--} \\
 47 \\
 42 \\
 \text{--} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$397 \div 11 = 36 \text{ remainder } 1$$

$$\begin{array}{r}
 36 \\
 11 \mid 397 \\
 33 \\
 \text{--} \\
 67 \\
 66 \\
 \text{--} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$397 \div 13 = 30 \text{ remainder } 7$$

$$\begin{array}{r}
 30 \\
 13 \mid 397 \\
 39 \\
 \text{--} \\
 7 \\
 0 \\
 \text{--} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$397 \div 17 = 23 \text{ remainder } 6$$

$$\begin{array}{r}
 23 \\
 17 \mid 397 \\
 34 \\
 \text{--} \\
 57 \\
 51 \\
 \text{--} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$397 \div 19 = 20 \text{ remainder } 17$$

| | | |
|----|----|----------------|
| | 20 | |
| 19 | | 397 |
| | | 38 |
| | | -- |
| | | 17 |
| | | 0 |
| | | - |
| | | 17 ← remainder |

P₇₉ 401

$$401 \div 2 = 200 \text{ remainder } 1$$

$$\begin{array}{r} 200 \\ 2 \mid 401 \\ \underline{4} \\ 0 \\ 0 \\ \underline{0} \\ 1 \\ 0 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$401 \div 3 = 133 \text{ remainder } 2$$

$$\begin{array}{r} 133 \\ 3 \mid 401 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$401 \div 5 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 5 \mid 401 \\ \underline{40} \\ - \\ 1 \\ 0 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$401 \div 7 = 57 \text{ remainder } 2$$

$$\begin{array}{r}
 57 \\
 7 \mid 401 \\
 35 \\
 \text{--} \\
 51 \\
 49 \\
 \text{--} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$401 \div 11 = 36 \text{ remainder } 5$$

$$\begin{array}{r}
 36 \\
 11 \mid 401 \\
 33 \\
 \text{--} \\
 71 \\
 66 \\
 \text{--} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$401 \div 13 = 30 \text{ remainder } 11$$

$$\begin{array}{r}
 30 \\
 13 \mid 401 \\
 39 \\
 \text{--} \\
 11 \\
 0 \\
 \text{--} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$401 \div 17 = 23 \text{ remainder } 10$$

$$\begin{array}{r}
 23 \\
 17 \mid 401 \\
 34 \\
 \text{--} \\
 61 \\
 51 \\
 \text{--} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$401 \div 19 = 21 \text{ remainder } 2$$

| | | |
|----|----|---------------|
| | 21 | |
| 19 | | 401 |
| | | 38 |
| | | -- |
| | | 21 |
| | | 19 |
| | | -- |
| | | 2 ← remainder |

P₈₀ 409

$$409 \div 2 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 204 \\ 2 \mid 409 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$409 \div 3 = 136 \text{ remainder } 1$$

$$\begin{array}{r} 136 \\ 3 \mid 409 \\ \underline{3} \\ - \\ 10 \\ 9 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$409 \div 5 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 5 \mid 409 \\ \underline{40} \\ - - \\ 9 \\ 5 \\ - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$409 \div 7 = 58 \text{ remainder } 3$$

$$\begin{array}{r}
 58 \\
 7 \mid 409 \\
 35 \\
 \text{--} \\
 59 \\
 56 \\
 \text{--} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$409 \div 11 = 37 \text{ remainder } 2$$

$$\begin{array}{r}
 37 \\
 11 \mid 409 \\
 33 \\
 \text{--} \\
 79 \\
 77 \\
 \text{--} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$409 \div 13 = 31 \text{ remainder } 6$$

$$\begin{array}{r}
 31 \\
 13 \mid 409 \\
 39 \\
 \text{--} \\
 19 \\
 13 \\
 \text{--} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$409 \div 17 = 24 \text{ remainder } 1$$

$$\begin{array}{r}
 24 \\
 17 \mid 409 \\
 34 \\
 \text{--} \\
 69 \\
 68 \\
 \text{--} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$409 \div 19 = 21 \text{ remainder } 10$$

| | | |
|----|----|----------------|
| | 21 | |
| 19 | | 409 |
| | | 38 |
| | | -- |
| | | 29 |
| | | 19 |
| | | -- |
| | | 10 ← remainder |

P₈₁ 419

$$419 \div 2 = 209 \text{ remainder } 1$$

$$\begin{array}{r} 209 \\ 2 \overline{) 419} \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$419 \div 3 = 139 \text{ remainder } 2$$

$$\begin{array}{r} 139 \\ 3 \overline{) 419} \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$419 \div 5 = 83 \text{ remainder } 4$$

$$\begin{array}{r} 83 \\ 5 \overline{) 419} \\ \underline{40} \\ -- \\ 19 \\ \underline{15} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

$$419 \div 7 = 59 \text{ remainder } 6$$

$$\begin{array}{r}
 59 \\
 7 \mid 419 \\
 35 \\
 -- \\
 69 \\
 63 \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$419 \div 11 = 38 \text{ remainder } 1$$

$$\begin{array}{r}
 38 \\
 11 \mid 419 \\
 33 \\
 -- \\
 89 \\
 88 \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$419 \div 13 = 32 \text{ remainder } 3$$

$$\begin{array}{r}
 32 \\
 13 \mid 419 \\
 39 \\
 -- \\
 29 \\
 26 \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$419 \div 17 = 24 \text{ remainder } 11$$

$$\begin{array}{r}
 24 \\
 17 \mid 419 \\
 34 \\
 -- \\
 79 \\
 68 \\
 -- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$419 \div 19 = 22 \text{ remainder } 1$$


```

      22
19 | 419
    38
    --
    39
    38
    --
    1 ← remainder

```

P₈₂ 421

$$421 \div 2 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 2 \mid 421 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$421 \div 3 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 3 \mid 421 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$421 \div 5 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 5 \mid 421 \\ \underline{40} \\ - \\ 21 \\ \underline{20} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$421 \div 7 = 60 \text{ remainder } 1$$

$$\begin{array}{r}
 60 \\
 7 \mid 421 \\
 \underline{42} \\
 -- \\
 1 \\
 0 \\
 - \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$421 \div 11 = 38 \text{ remainder } 3$$

$$\begin{array}{r}
 38 \\
 11 \mid 421 \\
 \underline{33} \\
 -- \\
 91 \\
 \underline{88} \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$421 \div 13 = 32 \text{ remainder } 5$$

$$\begin{array}{r}
 32 \\
 13 \mid 421 \\
 \underline{39} \\
 -- \\
 31 \\
 \underline{26} \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$421 \div 17 = 24 \text{ remainder } 13$$

$$\begin{array}{r}
 24 \\
 17 \mid 421 \\
 \underline{34} \\
 -- \\
 81 \\
 \underline{68} \\
 -- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$421 \div 19 = 22 \text{ remainder } 3$$

| | | |
|----|----|---------------|
| | 22 | |
| 19 | | 421 |
| | | 38 |
| | | -- |
| | | 41 |
| | | 38 |
| | | -- |
| | | 3 ← remainder |

P₈₃ 431

$$431 \div 2 = 215 \text{ remainder } 1$$

$$\begin{array}{r} 215 \\ 2 \overline{) 431} \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$431 \div 3 = 143 \text{ remainder } 2$$

$$\begin{array}{r} 143 \\ 3 \overline{) 431} \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$431 \div 5 = 86 \text{ remainder } 1$$

$$\begin{array}{r} 86 \\ 5 \overline{) 431} \\ \underline{40} \\ - \\ 31 \\ \underline{30} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$431 \div 7 = 61 \text{ remainder } 4$$

$$\begin{array}{r}
 61 \\
 7 \mid 431 \\
 \underline{42} \\
 11 \\
 \underline{7} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$431 \div 11 = 39 \text{ remainder } 2$$

$$\begin{array}{r}
 39 \\
 11 \mid 431 \\
 \underline{33} \\
 101 \\
 \underline{99} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$431 \div 13 = 33 \text{ remainder } 2$$

$$\begin{array}{r}
 33 \\
 13 \mid 431 \\
 \underline{39} \\
 41 \\
 \underline{39} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$431 \div 17 = 25 \text{ remainder } 6$$

$$\begin{array}{r}
 25 \\
 17 \mid 431 \\
 \underline{34} \\
 91 \\
 \underline{85} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$431 \div 19 = 22 \text{ remainder } 13$$

| | | |
|----|----|----------------|
| | 22 | |
| 19 | | 431 |
| | | 38 |
| | | -- |
| | | 51 |
| | | 38 |
| | | -- |
| | | 13 ← remainder |

P₈₄ 433

$$433 \div 2 = 216 \text{ remainder } 1$$

$$\begin{array}{r} 216 \\ 2 \mid 433 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$433 \div 3 = 144 \text{ remainder } 1$$

$$\begin{array}{r} 144 \\ 3 \mid 433 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$433 \div 5 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 5 \mid 433 \\ \underline{40} \\ - \\ 33 \\ \underline{30} \\ - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$433 \div 7 = 61 \text{ remainder } 6$$

$$\begin{array}{r}
 61 \\
 7 \mid 433 \\
 \underline{42} \\
 13 \\
 \underline{7} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$433 \div 11 = 39 \text{ remainder } 4$$

$$\begin{array}{r}
 39 \\
 11 \mid 433 \\
 \underline{33} \\
 103 \\
 \underline{99} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$433 \div 13 = 33 \text{ remainder } 4$$

$$\begin{array}{r}
 33 \\
 13 \mid 433 \\
 \underline{39} \\
 43 \\
 \underline{39} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$433 \div 17 = 25 \text{ remainder } 8$$

$$\begin{array}{r}
 25 \\
 17 \mid 433 \\
 \underline{34} \\
 93 \\
 \underline{85} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$433 \div 19 = 22 \text{ remainder } 15$$

| | | |
|----|----|----------------|
| | 22 | |
| 19 | | 433 |
| | | 38 |
| | | -- |
| | | 53 |
| | | 38 |
| | | -- |
| | | 15 ← remainder |

P₈₅ 439

$$439 \div 2 = 219 \text{ remainder } 1$$

$$\begin{array}{r} 219 \\ 2 \overline{) 439} \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$439 \div 3 = 146 \text{ remainder } 1$$

$$\begin{array}{r} 146 \\ 3 \overline{) 439} \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$439 \div 5 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 87 \\ 5 \overline{) 439} \\ \underline{40} \\ - \\ 39 \\ \underline{35} \\ - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$439 \div 7 = 62 \text{ remainder } 5$$

$$\begin{array}{r}
 62 \\
 7 \mid 439 \\
 \underline{42} \\
 -- \\
 19 \\
 \underline{14} \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$439 \div 11 = 39 \text{ remainder } 10$$

$$\begin{array}{r}
 39 \\
 11 \mid 439 \\
 \underline{33} \\
 -- \\
 109 \\
 \underline{99} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$439 \div 13 = 33 \text{ remainder } 10$$

$$\begin{array}{r}
 33 \\
 13 \mid 439 \\
 \underline{39} \\
 -- \\
 49 \\
 \underline{39} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$439 \div 17 = 25 \text{ remainder } 14$$

$$\begin{array}{r}
 25 \\
 17 \mid 439 \\
 \underline{34} \\
 -- \\
 99 \\
 \underline{85} \\
 -- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$439 \div 19 = 23 \text{ remainder } 2$$

| | | |
|----|----|---------------|
| | 23 | |
| 19 | | 439 |
| | | 38 |
| | | -- |
| | | 59 |
| | | 57 |
| | | -- |
| | | 2 ← remainder |

P₈₆ 443

$$443 \div 2 = 221 \text{ remainder } 1$$

$$\begin{array}{r} 221 \\ 2 \overline{) 443} \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$443 \div 3 = 147 \text{ remainder } 2$$

$$\begin{array}{r} 147 \\ 3 \overline{) 443} \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$443 \div 5 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 5 \overline{) 443} \\ \underline{40} \\ - - \\ 43 \\ \underline{40} \\ - - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$443 \div 7 = 63 \text{ remainder } 2$$

$$\begin{array}{r}
 63 \\
 7 \mid 443 \\
 \underline{42} \\
 -- \\
 23 \\
 \underline{21} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$443 \div 11 = 40 \text{ remainder } 3$$

$$\begin{array}{r}
 40 \\
 11 \mid 443 \\
 \underline{44} \\
 -- \\
 3 \\
 \underline{0} \\
 - \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$443 \div 13 = 34 \text{ remainder } 1$$

$$\begin{array}{r}
 34 \\
 13 \mid 443 \\
 \underline{39} \\
 -- \\
 53 \\
 \underline{52} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$443 \div 17 = 26 \text{ remainder } 1$$

$$\begin{array}{r}
 26 \\
 17 \mid 443 \\
 \underline{34} \\
 -- \\
 103 \\
 \underline{102} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$443 \div 19 = 23 \text{ remainder } 6$$

| | | |
|----|----|---------------|
| | 23 | |
| 19 | | 443 |
| | | 38 |
| | | -- |
| | | 63 |
| | | 57 |
| | | -- |
| | | 6 ← remainder |

P₈₇ 449

$$449 \div 2 = 224 \text{ remainder } 1$$

$$\begin{array}{r} 224 \\ 2 \mid 449 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$449 \div 3 = 149 \text{ remainder } 2$$

$$\begin{array}{r} 149 \\ 3 \mid 449 \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$449 \div 5 = 89 \text{ remainder } 4$$

$$\begin{array}{r} 89 \\ 5 \mid 449 \\ \underline{40} \\ - - \\ 49 \\ \underline{45} \\ - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$449 \div 7 = 64 \text{ remainder } 1$$

$$\begin{array}{r}
 64 \\
 7 \mid 449 \\
 \underline{42} \\
 -- \\
 29 \\
 \underline{28} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$449 \div 11 = 40 \text{ remainder } 9$$

$$\begin{array}{r}
 40 \\
 11 \mid 449 \\
 \underline{44} \\
 -- \\
 9 \\
 \underline{0} \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$449 \div 13 = 34 \text{ remainder } 7$$

$$\begin{array}{r}
 34 \\
 13 \mid 449 \\
 \underline{39} \\
 -- \\
 59 \\
 \underline{52} \\
 -- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$449 \div 17 = 26 \text{ remainder } 7$$

$$\begin{array}{r}
 26 \\
 17 \mid 449 \\
 \underline{34} \\
 -- \\
 109 \\
 \underline{102} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$449 \div 19 = 23 \text{ remainder } 12$$

| | | |
|----|----|----------------|
| | 23 | |
| 19 | | 449 |
| | | 38 |
| | | -- |
| | | 69 |
| | | 57 |
| | | -- |
| | | 12 ← remainder |

P₈₈ 457

$$457 \div 2 = 228 \text{ remainder } 1$$

$$\begin{array}{r} 228 \\ 2 \overline{) 457} \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$457 \div 3 = 152 \text{ remainder } 1$$

$$\begin{array}{r} 152 \\ 3 \overline{) 457} \\ \underline{3} \\ - \\ 15 \\ \underline{15} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$457 \div 5 = 91 \text{ remainder } 2$$

$$\begin{array}{r} 91 \\ 5 \overline{) 457} \\ \underline{45} \\ - - \\ 7 \\ \underline{5} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$457 \div 7 = 65 \text{ remainder } 2$$

$$\begin{array}{r}
 65 \\
 7 \mid 457 \\
 \underline{42} \\
 -- \\
 37 \\
 \underline{35} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$457 \div 11 = 41 \text{ remainder } 6$$

$$\begin{array}{r}
 41 \\
 11 \mid 457 \\
 \underline{44} \\
 -- \\
 17 \\
 \underline{11} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$457 \div 13 = 35 \text{ remainder } 2$$

$$\begin{array}{r}
 35 \\
 13 \mid 457 \\
 \underline{39} \\
 -- \\
 67 \\
 \underline{65} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$457 \div 17 = 26 \text{ remainder } 15$$

$$\begin{array}{r}
 26 \\
 17 \mid 457 \\
 \underline{34} \\
 -- \\
 117 \\
 \underline{102} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$457 \div 19 = 24 \text{ remainder } 1$$

| | | |
|----|----|---------------|
| | 24 | |
| 19 | | 457 |
| | | 38 |
| | | -- |
| | | 77 |
| | | 76 |
| | | -- |
| | | 1 ← remainder |

P₈₉ 461

$$461 \div 2 = 230 \text{ remainder } 1$$

$$\begin{array}{r} 230 \\ 2 \overline{) 461} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$461 \div 3 = 153 \text{ remainder } 2$$

$$\begin{array}{r} 153 \\ 3 \overline{) 461} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$461 \div 5 = 92 \text{ remainder } 1$$

$$\begin{array}{r} 92 \\ 5 \overline{) 461} \\ \underline{45} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$461 \div 7 = 65 \text{ remainder } 6$$

$$\begin{array}{r}
 65 \\
 7 \mid 461 \\
 \underline{42} \\
 -- \\
 41 \\
 \underline{35} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$461 \div 11 = 41 \text{ remainder } 10$$

$$\begin{array}{r}
 41 \\
 11 \mid 461 \\
 \underline{44} \\
 -- \\
 21 \\
 \underline{11} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$461 \div 13 = 35 \text{ remainder } 6$$

$$\begin{array}{r}
 35 \\
 13 \mid 461 \\
 \underline{39} \\
 -- \\
 71 \\
 \underline{65} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$461 \div 17 = 27 \text{ remainder } 2$$

$$\begin{array}{r}
 27 \\
 17 \mid 461 \\
 \underline{34} \\
 -- \\
 121 \\
 \underline{119} \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$461 \div 19 = 24 \text{ remainder } 5$$

| | | |
|----|----|---------------|
| | 24 | |
| 19 | | 461 |
| | | 38 |
| | | -- |
| | | 81 |
| | | 76 |
| | | -- |
| | | 5 ← remainder |

P₉₀ 463

$$463 \div 2 = 231 \text{ remainder } 1$$

$$\begin{array}{r} 231 \\ 2 \overline{) 463} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$463 \div 3 = 154 \text{ remainder } 1$$

$$\begin{array}{r} 154 \\ 3 \overline{) 463} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$463 \div 5 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 5 \overline{) 463} \\ \underline{45} \\ - \\ 13 \\ \underline{10} \\ - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$463 \div 7 = 66 \text{ remainder } 1$$

$$\begin{array}{r}
 66 \\
 7 \mid 463 \\
 42 \\
 -- \\
 43 \\
 42 \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$463 \div 11 = 42 \text{ remainder } 1$$

$$\begin{array}{r}
 42 \\
 11 \mid 463 \\
 44 \\
 -- \\
 23 \\
 22 \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$463 \div 13 = 35 \text{ remainder } 8$$

$$\begin{array}{r}
 35 \\
 13 \mid 463 \\
 39 \\
 -- \\
 73 \\
 65 \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$463 \div 17 = 27 \text{ remainder } 4$$

$$\begin{array}{r}
 27 \\
 17 \mid 463 \\
 34 \\
 -- \\
 123 \\
 119 \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$463 \div 19 = 24 \text{ remainder } 7$$

| | | |
|----|----|---------------|
| | 24 | |
| 19 | | 463 |
| | | 38 |
| | | -- |
| | | 83 |
| | | 76 |
| | | -- |
| | | 7 ← remainder |

P₉₁ 467

$$467 \div 2 = 233 \text{ remainder } 1$$

$$\begin{array}{r} 233 \\ 2 \overline{) 467} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$467 \div 3 = 155 \text{ remainder } 2$$

$$\begin{array}{r} 155 \\ 3 \overline{) 467} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$467 \div 5 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 5 \overline{) 467} \\ \underline{45} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$467 \div 7 = 66 \text{ remainder } 5$$

$$\begin{array}{r}
 66 \\
 7 \mid 467 \\
 42 \\
 \text{--} \\
 47 \\
 42 \\
 \text{--} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$467 \div 11 = 42 \text{ remainder } 5$$

$$\begin{array}{r}
 42 \\
 11 \mid 467 \\
 44 \\
 \text{--} \\
 27 \\
 22 \\
 \text{--} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$467 \div 13 = 35 \text{ remainder } 12$$

$$\begin{array}{r}
 35 \\
 13 \mid 467 \\
 39 \\
 \text{--} \\
 77 \\
 65 \\
 \text{--} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$467 \div 17 = 27 \text{ remainder } 8$$

$$\begin{array}{r}
 27 \\
 17 \mid 467 \\
 34 \\
 \text{--} \\
 127 \\
 119 \\
 \text{--} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$467 \div 19 = 24 \text{ remainder } 11$$

| | | |
|----|----|----------------|
| | 24 | |
| 19 | | 467 |
| | | 38 |
| | | -- |
| | | 87 |
| | | 76 |
| | | -- |
| | | 11 ← remainder |

P₉₂ 479

$$479 \div 2 = 239 \text{ remainder } 1$$

$$\begin{array}{r} 239 \\ 2 \overline{) 479} \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$479 \div 3 = 159 \text{ remainder } 2$$

$$\begin{array}{r} 159 \\ 3 \overline{) 479} \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$479 \div 5 = 95 \text{ remainder } 4$$

$$\begin{array}{r} 95 \\ 5 \overline{) 479} \\ \underline{45} \\ - - \\ 29 \\ \underline{25} \\ - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$479 \div 7 = 68 \text{ remainder } 3$$

$$\begin{array}{r}
 68 \\
 7 \mid 479 \\
 42 \\
 \hline
 59 \\
 56 \\
 \hline
 3 \leftarrow \text{remainder}
 \end{array}$$

$$479 \div 11 = 43 \text{ remainder } 6$$

$$\begin{array}{r}
 43 \\
 11 \mid 479 \\
 44 \\
 \hline
 39 \\
 33 \\
 \hline
 6 \leftarrow \text{remainder}
 \end{array}$$

$$479 \div 13 = 36 \text{ remainder } 11$$

$$\begin{array}{r}
 36 \\
 13 \mid 479 \\
 39 \\
 \hline
 89 \\
 78 \\
 \hline
 11 \leftarrow \text{remainder}
 \end{array}$$

$$479 \div 17 = 28 \text{ remainder } 3$$

$$\begin{array}{r}
 28 \\
 17 \mid 479 \\
 34 \\
 \hline
 139 \\
 136 \\
 \hline
 3 \leftarrow \text{remainder}
 \end{array}$$

$$479 \div 19 = 25 \text{ remainder } 4$$

| | | |
|----|----|---------------|
| | 25 | |
| 19 | | 479 |
| | | 38 |
| | | -- |
| | | 99 |
| | | 95 |
| | | -- |
| | | 4 ← remainder |

P₉₃ 487

$$487 \div 2 = 243 \text{ remainder } 1$$

$$\begin{array}{r} 243 \\ 2 \overline{) 487} \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$487 \div 3 = 162 \text{ remainder } 1$$

$$\begin{array}{r} 162 \\ 3 \overline{) 487} \\ \underline{3} \\ - \\ 18 \\ \underline{18} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$487 \div 5 = 97 \text{ remainder } 2$$

$$\begin{array}{r} 97 \\ 5 \overline{) 487} \\ \underline{45} \\ - - \\ 37 \\ \underline{35} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$487 \div 7 = 69 \text{ remainder } 4$$

```

      69
7 | 487
   42
   --
   67
   63
   --
   4 ← remainder

```

$$487 \div 11 = 44 \text{ remainder } 3$$

```

      44
11 | 487
   44
   --
   47
   44
   --
   3 ← remainder

```

$$487 \div 13 = 37 \text{ remainder } 6$$

```

      37
13 | 487
   39
   --
   97
   91
   --
   6 ← remainder

```

$$487 \div 17 = 28 \text{ remainder } 11$$

```

      28
17 | 487
   34
   --
   147
   136
   ---
   11 ← remainder

```

$$487 \div 19 = 25 \text{ remainder } 12$$

| | | |
|----|----|----------------|
| | 25 | |
| 19 | | 487 |
| | | 38 |
| | | -- |
| | | 107 |
| | | 95 |
| | | -- |
| | | 12 ← remainder |

P₉₄ 491

$$491 \div 2 = 245 \text{ remainder } 1$$

$$\begin{array}{r} 245 \\ 2 \mid 491 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$491 \div 3 = 163 \text{ remainder } 2$$

$$\begin{array}{r} 163 \\ 3 \mid 491 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$491 \div 5 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 5 \mid 491 \\ \underline{45} \\ - - \\ 41 \\ \underline{40} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$491 \div 7 = 70 \text{ remainder } 1$$

$$\begin{array}{r}
 70 \\
 7 \mid 491 \\
 \underline{49} \\
 11 \\
 \underline{10} \\
 1 \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$491 \div 11 = 44 \text{ remainder } 7$$

$$\begin{array}{r}
 44 \\
 11 \mid 491 \\
 \underline{44} \\
 51 \\
 \underline{44} \\
 7 \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$491 \div 13 = 37 \text{ remainder } 10$$

$$\begin{array}{r}
 37 \\
 13 \mid 491 \\
 \underline{39} \\
 101 \\
 \underline{91} \\
 10 \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$491 \div 17 = 28 \text{ remainder } 15$$

$$\begin{array}{r}
 28 \\
 17 \mid 491 \\
 \underline{34} \\
 151 \\
 \underline{136} \\
 15 \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$491 \div 19 = 25 \text{ remainder } 16$$

| | | |
|----|----|----------------|
| | 25 | |
| 19 | | 491 |
| | | 38 |
| | | -- |
| | | 111 |
| | | 95 |
| | | -- |
| | | 16 ← remainder |

P₉₅ 499

$$499 \div 2 = 249 \text{ remainder } 1$$

$$\begin{array}{r} 249 \\ 2 \mid 499 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 19 \\ 18 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$499 \div 3 = 166 \text{ remainder } 1$$

$$\begin{array}{r} 166 \\ 3 \mid 499 \\ 3 \\ - \\ 19 \\ 18 \\ - \\ 19 \\ 18 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$499 \div 5 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 5 \mid 499 \\ 45 \\ - \\ 49 \\ 45 \\ - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$499 \div 7 = 71 \text{ remainder } 2$$

$$\begin{array}{r}
 71 \\
 7 \mid 499 \\
 \underline{49} \\
 -- \\
 9 \\
 \underline{7} \\
 - \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$499 \div 11 = 45 \text{ remainder } 4$$

$$\begin{array}{r}
 45 \\
 11 \mid 499 \\
 \underline{44} \\
 -- \\
 59 \\
 \underline{55} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$499 \div 13 = 38 \text{ remainder } 5$$

$$\begin{array}{r}
 38 \\
 13 \mid 499 \\
 \underline{39} \\
 -- \\
 109 \\
 \underline{104} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$499 \div 17 = 29 \text{ remainder } 6$$

$$\begin{array}{r}
 29 \\
 17 \mid 499 \\
 \underline{34} \\
 -- \\
 159 \\
 \underline{153} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$499 \div 19 = 26 \text{ remainder } 5$$

| | | |
|----|----|---------------|
| | 26 | |
| 19 | | 499 |
| | | 38 |
| | | -- |
| | | 119 |
| | | 114 |
| | | --- |
| | | 5 ← remainder |

P₉₆ 503

$$503 \div 2 = 251 \text{ remainder } 1$$

$$\begin{array}{r} 251 \\ 2 \overline{) 503} \\ \underline{4} \\ 10 \\ \underline{10} \\ 00 \\ 3 \\ \underline{2} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$503 \div 3 = 167 \text{ remainder } 2$$

$$\begin{array}{r} 167 \\ 3 \overline{) 503} \\ \underline{3} \\ 20 \\ \underline{18} \\ 23 \\ \underline{21} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$503 \div 5 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 5 \overline{) 503} \\ \underline{5} \\ 0 \\ \underline{0} \\ 3 \\ \underline{0} \end{array}$$

-
3 ← remainder

$$503 \div 7 = 71 \text{ remainder } 6$$

71
7 | 503
49
--
13
7
-

6 ← remainder

$$503 \div 11 = 45 \text{ remainder } 8$$

45
11 | 503
44
--
63
55
--
8 ← remainder

$$503 \div 13 = 38 \text{ remainder } 9$$

38
13 | 503
39
--
113
104

9 ← remainder

$$503 \div 17 = 29 \text{ remainder } 10$$

29
17 | 503
34
--
163
153

10 ← remainder

$$503 \div 19 = 26 \text{ remainder } 9$$

26
19 | 503
38
--
123
114

9 ← remainder

P₉₇ 509

$$509 \div 2 = 254 \text{ remainder } 1$$

$$\begin{array}{r} 254 \\ 2 \overline{) 509} \\ \underline{4} \\ 10 \\ \underline{10} \\ 0 \\ \underline{0} \\ 9 \\ \underline{8} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$509 \div 3 = 169 \text{ remainder } 2$$

$$\begin{array}{r} 169 \\ 3 \overline{) 509} \\ \underline{3} \\ 20 \\ \underline{18} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$509 \div 5 = 101 \text{ remainder } 4$$

$$\begin{array}{r} 101 \\ 5 \overline{) 509} \\ \underline{5} \\ 0 \\ \underline{0} \\ 9 \\ \underline{5} \\ 4 \end{array}$$

-
4 ← remainder

$$509 \div 7 = 72 \text{ remainder } 5$$

72
7 | 509
49
--
19
14
--
5 ← remainder

$$509 \div 11 = 46 \text{ remainder } 3$$

46
11 | 509
44
--
69
66
--
3 ← remainder

$$509 \div 13 = 39 \text{ remainder } 2$$

39
13 | 509
39
--
119
117
--
2 ← remainder

$$509 \div 17 = 29 \text{ remainder } 16$$

29
17 | 509
34
--
169
153

16 ← remainder

$$509 \div 19 = 26 \text{ remainder } 15$$

$$\begin{array}{r} 26 \\ 19 \overline{) 509} \\ \underline{38} \end{array}$$

--
129
114

15 ← remainder

P₉₈ 521

$$521 \div 2 = 260 \text{ remainder } 1$$

$$\begin{array}{r} 260 \\ 2 \mid 521 \\ \underline{4} \\ 12 \\ \underline{12} \\ 0 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$521 \div 3 = 173 \text{ remainder } 2$$

$$\begin{array}{r} 173 \\ 3 \mid 521 \\ \underline{3} \\ 22 \\ \underline{21} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$521 \div 5 = 104 \text{ remainder } 1$$

$$\begin{array}{r} 104 \\ 5 \mid 521 \\ \underline{5} \\ 2 \\ \underline{0} \\ 21 \\ \underline{20} \\ 1 \end{array}$$

--
 $1 \leftarrow \text{remainder}$

$$521 \div 7 = 74 \text{ remainder } 3$$

74
 $7 \mid 521$
49

--
31
28
--
 $3 \leftarrow \text{remainder}$

$$521 \div 11 = 47 \text{ remainder } 4$$

47
 $11 \mid 521$
44

--
81
77
--
 $4 \leftarrow \text{remainder}$

$$521 \div 13 = 40 \text{ remainder } 1$$

40
 $13 \mid 521$
52

--
1
0
-
 $1 \leftarrow \text{remainder}$

$$521 \div 17 = 30 \text{ remainder } 11$$

30
 $17 \mid 521$
51

--
11
0

-
11 ← remainder

$$521 \div 19 = 27 \text{ remainder } 8$$

$$\begin{array}{r} 27 \\ 19 \overline{) 521} \\ \underline{38} \end{array}$$

--

141

133

8 ← remainder

P₉₉ 523

$$523 \div 2 = 261 \text{ remainder } 1$$

$$\begin{array}{r} 261 \\ 2 \overline{) 523} \\ \underline{4} \\ 12 \\ \underline{12} \\ 0 \\ 3 \\ \underline{2} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$523 \div 3 = 174 \text{ remainder } 1$$

$$\begin{array}{r} 174 \\ 3 \overline{) 523} \\ \underline{3} \\ 22 \\ \underline{21} \\ 1 \\ 13 \\ \underline{12} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$523 \div 5 = 104 \text{ remainder } 3$$

$$\begin{array}{r} 104 \\ 5 \overline{) 523} \\ \underline{5} \\ 2 \\ \underline{0} \\ 23 \\ \underline{20} \\ 3 \end{array}$$

--
3 ← remainder

$$523 \div 7 = 74 \text{ remainder } 5$$

74
7 | 523
49

--
33
28
--
5 ← remainder

$$523 \div 11 = 47 \text{ remainder } 6$$

47
11 | 523
44

--
83
77
--
6 ← remainder

$$523 \div 13 = 40 \text{ remainder } 3$$

40
13 | 523
52

--
3
0
-
3 ← remainder

$$523 \div 17 = 30 \text{ remainder } 13$$

30
17 | 523
51

--
13
0

-
13 ← remainder

$$523 \div 19 = 27 \text{ remainder } 10$$

27
19 | 523
38
--
143
133

10 ← remainder

P₁₀₀ 541

$$541 \div 2 = 270 \text{ remainder } 1$$

$$\begin{array}{r} 270 \\ 2 \mid 541 \\ \underline{4} \\ 14 \\ \underline{14} \\ 10 \\ \underline{10} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$541 \div 3 = 180 \text{ remainder } 1$$

$$\begin{array}{r} 180 \\ 3 \mid 541 \\ \underline{3} \\ 24 \\ \underline{24} \\ 10 \\ \underline{10} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$541 \div 5 = 108 \text{ remainder } 1$$

$$\begin{array}{r} 108 \\ 5 \mid 541 \\ \underline{5} \\ 40 \\ \underline{40} \\ 1 \end{array}$$

--
1 ← remainder

$$541 \div 7 = 77 \text{ remainder } 2$$

77
7 | 541
49

--
51
49
--
2 ← remainder

$$541 \div 11 = 49 \text{ remainder } 2$$

49
11 | 541
44

--
101
99
--
2 ← remainder

$$541 \div 13 = 41 \text{ remainder } 8$$

41
13 | 541
52

--
21
13
--
8 ← remainder

$$541 \div 17 = 31 \text{ remainder } 14$$

31
17 | 541
51

--
31
17

--
14 ← remainder

$$541 \div 19 = 28 \text{ remainder } 9$$

28
19 | 541
38
--
161
152

9 ← remainder

$$541 \div 23 = 23 \text{ remainder } 12$$

23
23 | 541
46
--
81
69
--
12 ← remainder

P₁₀₁ 547

$$547 \div 2 = 273 \text{ remainder } 1$$

$$\begin{array}{r} 273 \\ 2 \overline{) 547} \\ \underline{4} \\ 14 \\ \underline{14} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$547 \div 3 = 182 \text{ remainder } 1$$

$$\begin{array}{r} 182 \\ 3 \overline{) 547} \\ \underline{3} \\ 24 \\ \underline{24} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$547 \div 5 = 109 \text{ remainder } 2$$

$$\begin{array}{r} 109 \\ 5 \overline{) 547} \\ \underline{5} \\ 4 \\ \underline{0} \\ 47 \\ \underline{45} \\ 2 \end{array}$$

--
2 ← remainder

$$547 \div 7 = 78 \text{ remainder } 1$$

78
7 | 547
49

--
57
56
--
1 ← remainder

$$547 \div 11 = 49 \text{ remainder } 8$$

49
11 | 547
44

--
107
99
--
8 ← remainder

$$547 \div 13 = 42 \text{ remainder } 1$$

42
13 | 547
52

--
27
26
--
1 ← remainder

$$547 \div 17 = 32 \text{ remainder } 3$$

32
17 | 547
51

--
37
34

--
3 ← remainder

$$547 \div 19 = 28 \text{ remainder } 15$$

28
19 | 547
38
--
167
152

15 ← remainder

$$547 \div 23 = 23 \text{ remainder } 18$$

23
23 | 547
46
--
87
69
--
18 ← remainder

P₁₀₂ 557

$$557 \div 2 = 278 \text{ remainder } 1$$

$$\begin{array}{r} 278 \\ 2 \mid 557 \\ \underline{4} \\ 15 \\ \underline{14} \\ 17 \\ \underline{16} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$557 \div 3 = 185 \text{ remainder } 2$$

$$\begin{array}{r} 185 \\ 3 \mid 557 \\ \underline{3} \\ 25 \\ \underline{24} \\ 17 \\ \underline{15} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$557 \div 5 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 5 \mid 557 \\ \underline{5} \\ 5 \\ \underline{5} \\ 7 \\ \underline{5} \end{array}$$

-
2 ← remainder

$557 \div 7 = 79$ remainder 4

79
7 | 557
49
--
67
63
--
4 ← remainder

$557 \div 11 = 50$ remainder 7

50
11 | 557
55
--
7
0
-
7 ← remainder

$557 \div 13 = 42$ remainder 11

42
13 | 557
52
--
37
26
--
11 ← remainder

$557 \div 17 = 32$ remainder 13

32
17 | 557
51
--
47
34

--
13 ← remainder

$$557 \div 19 = 29 \text{ remainder } 6$$

29
19 | 557
38

--
177
171

6 ← remainder

$$557 \div 23 = 24 \text{ remainder } 5$$

24
23 | 557
46

--
97
92

--
5 ← remainder

P₁₀₃ 563

$$563 \div 2 = 281 \text{ remainder } 1$$

$$\begin{array}{r} 281 \\ 2 \overline{) 563} \\ \underline{4} \\ 16 \\ \underline{16} \\ 0 \\ 3 \\ \underline{2} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$563 \div 3 = 187 \text{ remainder } 2$$

$$\begin{array}{r} 187 \\ 3 \overline{) 563} \\ \underline{3} \\ 26 \\ \underline{24} \\ 23 \\ \underline{21} \\ 2 \\ 2 \leftarrow \text{remainder} \end{array}$$

$$563 \div 5 = 112 \text{ remainder } 3$$

$$\begin{array}{r} 112 \\ 5 \overline{) 563} \\ \underline{5} \\ 6 \\ \underline{5} \\ 13 \\ \underline{10} \\ 3 \end{array}$$

--
3 ← remainder

$$563 \div 7 = 80 \text{ remainder } 3$$

80
7 | 563
56
--
3
0
-

3 ← remainder

$$563 \div 11 = 51 \text{ remainder } 2$$

51
11 | 563
55
--
13
11
--

2 ← remainder

$$563 \div 13 = 43 \text{ remainder } 4$$

43
13 | 563
52
--
43
39
--

4 ← remainder

$$563 \div 17 = 33 \text{ remainder } 2$$

33
17 | 563
51
--
53
51

--
2 ← remainder

$$563 \div 19 = 29 \text{ remainder } 12$$

29
19 | 563
38
--
183
171

12 ← remainder

$$563 \div 23 = 24 \text{ remainder } 11$$

24
23 | 563
46
--
103
92
--
11 ← remainder

P₁₀₄ 569

$$569 \div 2 = 284 \text{ remainder } 1$$

$$\begin{array}{r} 284 \\ 2 \mid 569 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$569 \div 3 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 3 \mid 569 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$569 \div 5 = 113 \text{ remainder } 4$$

$$\begin{array}{r} 113 \\ 5 \mid 569 \\ \underline{5} \\ - \\ 6 \\ \underline{5} \\ - \\ 19 \\ \underline{15} \end{array}$$

--
4 ← remainder

$$569 \div 7 = 81 \text{ remainder } 2$$

81
7 | 569
56
--
9
7
-

2 ← remainder

$$569 \div 11 = 51 \text{ remainder } 8$$

51
11 | 569
55
--
19
11
--

8 ← remainder

$$569 \div 13 = 43 \text{ remainder } 10$$

43
13 | 569
52
--
49
39
--

10 ← remainder

$$569 \div 17 = 33 \text{ remainder } 8$$

33
17 | 569
51
--
59
51

--
8 ← remainder

$$569 \div 19 = 29 \text{ remainder } 18$$

29
19 | 569
38
--
189
171

18 ← remainder

$$569 \div 23 = 24 \text{ remainder } 17$$

24
23 | 569
46
--
109
92
--
17 ← remainder

P₁₀₅ 571

$$571 \div 2 = 285 \text{ remainder } 1$$

$$\begin{array}{r} 285 \\ 2 \overline{) 571} \\ \underline{4} \\ 17 \\ \underline{16} \\ 11 \\ \underline{10} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$571 \div 3 = 190 \text{ remainder } 1$$

$$\begin{array}{r} 190 \\ 3 \overline{) 571} \\ \underline{3} \\ 27 \\ \underline{27} \\ 1 \\ 0 \\ \underline{-} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$571 \div 5 = 114 \text{ remainder } 1$$

$$\begin{array}{r} 114 \\ 5 \overline{) 571} \\ \underline{5} \\ 7 \\ \underline{5} \\ 21 \\ \underline{20} \end{array}$$

--
1 ← remainder

$$571 \div 7 = 81 \text{ remainder } 4$$

81
7 | 571
56
--
11
7
-

4 ← remainder

$$571 \div 11 = 51 \text{ remainder } 10$$

51
11 | 571
55
--
21
11
--
10 ← remainder

$$571 \div 13 = 43 \text{ remainder } 12$$

43
13 | 571
52
--
51
39
--
12 ← remainder

$$571 \div 17 = 33 \text{ remainder } 10$$

33
17 | 571
51
--
61
51

--
10 ← remainder

$$571 \div 19 = 30 \text{ remainder } 1$$

30
19 | 571
57
--
1
0
-

1 ← remainder

$$571 \div 23 = 24 \text{ remainder } 19$$

24
23 | 571
46
--
111
92
--

19 ← remainder

P₁₀₆ 577

$$577 \div 2 = 288 \text{ remainder } 1$$

$$\begin{array}{r} 288 \\ 2 \mid 577 \\ \underline{4} \\ 17 \\ \underline{16} \\ 17 \\ \underline{16} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$577 \div 3 = 192 \text{ remainder } 1$$

$$\begin{array}{r} 192 \\ 3 \mid 577 \\ \underline{3} \\ 27 \\ \underline{27} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$577 \div 5 = 115 \text{ remainder } 2$$

$$\begin{array}{r} 115 \\ 5 \mid 577 \\ \underline{5} \\ 7 \\ \underline{5} \\ 27 \\ \underline{25} \end{array}$$

--
2 ← remainder

$$577 \div 7 = 82 \text{ remainder } 3$$

82
7 | 577
56

--
17
14
--
3 ← remainder

$$577 \div 11 = 52 \text{ remainder } 5$$

52
11 | 577
55

--
27
22
--
5 ← remainder

$$577 \div 13 = 44 \text{ remainder } 5$$

44
13 | 577
52

--
57
52
--
5 ← remainder

$$577 \div 17 = 33 \text{ remainder } 16$$

33
17 | 577
51

--
67
51

--
16 ← remainder

$$577 \div 19 = 30 \text{ remainder } 7$$

30
19 | 577
57
--
7
0
-

7 ← remainder

$$577 \div 23 = 25 \text{ remainder } 2$$

25
23 | 577
46
--
117
115

2 ← remainder

P₁₀₇ 587

$$587 \div 2 = 293 \text{ remainder } 1$$

$$\begin{array}{r} 293 \\ 2 \overline{) 587} \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$587 \div 3 = 195 \text{ remainder } 2$$

$$\begin{array}{r} 195 \\ 3 \overline{) 587} \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$587 \div 5 = 117 \text{ remainder } 2$$

$$\begin{array}{r} 117 \\ 5 \overline{) 587} \\ \underline{5} \\ - \\ 8 \\ \underline{5} \\ - \\ 37 \\ \underline{35} \end{array}$$

--
2 ← remainder

$$587 \div 7 = 83 \text{ remainder } 6$$

83
7 | 587
56

--
27
21
--
6 ← remainder

$$587 \div 11 = 53 \text{ remainder } 4$$

53
11 | 587
55

--
37
33
--
4 ← remainder

$$587 \div 13 = 45 \text{ remainder } 2$$

45
13 | 587
52

--
67
65
--
2 ← remainder

$$587 \div 17 = 34 \text{ remainder } 9$$

34
17 | 587
51

--
77
68

--
9 ← remainder

$$587 \div 19 = 30 \text{ remainder } 17$$

30
19 | 587
57
--
17
0

-
17 ← remainder

$$587 \div 23 = 25 \text{ remainder } 12$$

25
23 | 587
46
--
127
115

12 ← remainder

P₁₀₈ 593

$$593 \div 2 = 296 \text{ remainder } 1$$

$$\begin{array}{r} 296 \\ 2 \mid 593 \\ \underline{4} \\ 19 \\ \underline{18} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$593 \div 3 = 197 \text{ remainder } 2$$

$$\begin{array}{r} 197 \\ 3 \mid 593 \\ \underline{3} \\ 29 \\ \underline{27} \\ 23 \\ \underline{21} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$593 \div 5 = 118 \text{ remainder } 3$$

$$\begin{array}{r} 118 \\ 5 \mid 593 \\ \underline{5} \\ 9 \\ \underline{5} \\ 43 \\ \underline{40} \end{array}$$

--
3 ← remainder

$$593 \div 7 = 84 \text{ remainder } 5$$

84
7 | 593
56

--
33
28
--
5 ← remainder

$$593 \div 11 = 53 \text{ remainder } 10$$

53
11 | 593
55

--
43
33
--
10 ← remainder

$$593 \div 13 = 45 \text{ remainder } 8$$

45
13 | 593
52

--
73
65
--
8 ← remainder

$$593 \div 17 = 34 \text{ remainder } 15$$

34
17 | 593
51

--
83
68

--
15 ← remainder

$$593 \div 19 = 31 \text{ remainder } 4$$

31
19 | 593
57

--
23
19
--
4 ← remainder

$$593 \div 23 = 25 \text{ remainder } 18$$

25
23 | 593
46

--
133
115

18 ← remainder

P₁₀₉ 599

$$599 \div 2 = 299 \text{ remainder } 1$$

$$\begin{array}{r} 299 \\ 2 \overline{) 599} \\ \underline{4} \\ 19 \\ \underline{18} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$599 \div 3 = 199 \text{ remainder } 2$$

$$\begin{array}{r} 199 \\ 3 \overline{) 599} \\ \underline{3} \\ 29 \\ \underline{27} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$599 \div 5 = 119 \text{ remainder } 4$$

$$\begin{array}{r} 119 \\ 5 \overline{) 599} \\ \underline{5} \\ 9 \\ \underline{5} \\ 49 \\ \underline{45} \end{array}$$

--
4 ← remainder

$$599 \div 7 = 85 \text{ remainder } 4$$

85
7 | 599
56

--
39
35
--
4 ← remainder

$$599 \div 11 = 54 \text{ remainder } 5$$

54
11 | 599
55

--
49
44
--
5 ← remainder

$$599 \div 13 = 46 \text{ remainder } 1$$

46
13 | 599
52

--
79
78
--
1 ← remainder

$$599 \div 17 = 35 \text{ remainder } 4$$

35
17 | 599
51

--
89
85

--
4 ← remainder

$$599 \div 19 = 31 \text{ remainder } 10$$

31
19 | 599
57
--
29
19
--
10 ← remainder

$$599 \div 23 = 26 \text{ remainder } 1$$

26
23 | 599
46
--
139
138

1 ← remainder

P₁₁₀ 601

$$601 \div 2 = 300 \text{ remainder } 1$$

$$\begin{array}{r} 300 \\ 2 \mid 601 \\ \underline{6} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 1 \\ \underline{0} \\ 1 \\ \underline{1} \\ 0 \end{array}$$

1 ← remainder

$$601 \div 3 = 200 \text{ remainder } 1$$

$$\begin{array}{r} 200 \\ 3 \mid 601 \\ \underline{6} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 1 \\ \underline{0} \\ 1 \\ \underline{1} \\ 0 \end{array}$$

1 ← remainder

$$601 \div 5 = 120 \text{ remainder } 1$$

$$\begin{array}{r} 120 \\ 5 \mid 601 \\ \underline{5} \\ 10 \\ \underline{10} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

-
 $1 \leftarrow \text{remainder}$

$601 \div 7 = 85 \text{ remainder } 6$

85
7 | 601
56
--
41
35
--
 $6 \leftarrow \text{remainder}$

$601 \div 11 = 54 \text{ remainder } 7$

54
11 | 601
55
--
51
44
--
 $7 \leftarrow \text{remainder}$

$601 \div 13 = 46 \text{ remainder } 3$

46
13 | 601
52
--
81
78
--
 $3 \leftarrow \text{remainder}$

$601 \div 17 = 35 \text{ remainder } 6$

35
17 | 601
51
--
91
85

--
6 ← remainder

$$601 \div 19 = 31 \text{ remainder } 12$$

31
19 | 601
57

--
31
19
--
12 ← remainder

$$601 \div 23 = 26 \text{ remainder } 3$$

26
23 | 601
46

--
141
138

3 ← remainder

P₁₁₁ 607

$$607 \div 2 = 303 \text{ remainder } 1$$

$$\begin{array}{r} 303 \\ 2 \mid 607 \\ \underline{6} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$607 \div 3 = 202 \text{ remainder } 1$$

$$\begin{array}{r} 202 \\ 3 \mid 607 \\ \underline{6} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$607 \div 5 = 121 \text{ remainder } 2$$

$$\begin{array}{r} 121 \\ 5 \mid 607 \\ \underline{5} \\ 10 \\ \underline{10} \\ 7 \\ \underline{5} \\ 2 \end{array}$$

-
2 ← remainder

$$607 \div 7 = 86 \text{ remainder } 5$$

86
7 | 607
56
--
47
42
--
5 ← remainder

$$607 \div 11 = 55 \text{ remainder } 2$$

55
11 | 607
55
--
57
55
--
2 ← remainder

$$607 \div 13 = 46 \text{ remainder } 9$$

46
13 | 607
52
--
87
78
--
9 ← remainder

$$607 \div 17 = 35 \text{ remainder } 12$$

35
17 | 607
51
--
97
85

--
12 ← remainder

$607 \div 19 = 31 \text{ remainder } 18$

31
19 | 607
57

--
37
19
--
18 ← remainder

$607 \div 23 = 26 \text{ remainder } 9$

26
23 | 607
46

--
147
138

9 ← remainder

P₁₁₂ 613

$$613 \div 2 = 306 \text{ remainder } 1$$

$$\begin{array}{r} 306 \\ 2 \mid 613 \\ \underline{6} \\ 1 \\ \underline{0} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$613 \div 3 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 204 \\ 3 \mid 613 \\ \underline{6} \\ 1 \\ \underline{0} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$613 \div 5 = 122 \text{ remainder } 3$$

$$\begin{array}{r} 122 \\ 5 \mid 613 \\ \underline{5} \\ 11 \\ \underline{10} \\ 13 \\ \underline{10} \end{array}$$

--
3 ← remainder

$613 \div 7 = 87 \text{ remainder } 4$

87
7 | 613
56
--
53
49
--

4 ← remainder

$613 \div 11 = 55 \text{ remainder } 8$

55
11 | 613
55
--
63
55
--

8 ← remainder

$613 \div 13 = 47 \text{ remainder } 2$

47
13 | 613
52
--
93
91
--

2 ← remainder

$613 \div 17 = 36 \text{ remainder } 1$

36
17 | 613
51
--
103
102

1 ← remainder

$$613 \div 19 = 32 \text{ remainder } 5$$

$$\begin{array}{r} 32 \\ 19 \overline{) 613} \\ \underline{57} \end{array}$$

--

43

38

--

5 ← remainder

$$613 \div 23 = 26 \text{ remainder } 15$$

$$\begin{array}{r} 26 \\ 23 \overline{) 613} \\ \underline{46} \end{array}$$

--

153

138

15 ← remainder

P₁₁₃ 617

$$617 \div 2 = 308 \text{ remainder } 1$$

$$\begin{array}{r} 308 \\ 2 \mid 617 \\ \underline{6} \\ 1 \\ \underline{0} \\ 17 \\ \underline{16} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$617 \div 3 = 205 \text{ remainder } 2$$

$$\begin{array}{r} 205 \\ 3 \mid 617 \\ \underline{6} \\ 1 \\ \underline{0} \\ 17 \\ \underline{15} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$617 \div 5 = 123 \text{ remainder } 2$$

$$\begin{array}{r} 123 \\ 5 \mid 617 \\ \underline{5} \\ 11 \\ \underline{10} \\ 17 \\ \underline{15} \end{array}$$

--
2 ← remainder

$617 \div 7 = 88 \text{ remainder } 1$

88
7 | 617
56
--
57
56
--
1 ← remainder

$617 \div 11 = 56 \text{ remainder } 1$

56
11 | 617
55
--
67
66
--
1 ← remainder

$617 \div 13 = 47 \text{ remainder } 6$

47
13 | 617
52
--
97
91
--
6 ← remainder

$617 \div 17 = 36 \text{ remainder } 5$

36
17 | 617
51
--
107
102

5 ← remainder

$$617 \div 19 = 32 \text{ remainder } 9$$

32
19 | 617
57
--
47
38
--
9 ← remainder

$$617 \div 23 = 26 \text{ remainder } 19$$

26
23 | 617
46
--
157
138

19 ← remainder

P₁₁₄ 619

$$619 \div 2 = 309 \text{ remainder } 1$$

$$\begin{array}{r} 309 \\ 2 \mid 619 \\ \underline{6} \\ 1 \\ \underline{0} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$619 \div 3 = 206 \text{ remainder } 1$$

$$\begin{array}{r} 206 \\ 3 \mid 619 \\ \underline{6} \\ 1 \\ \underline{0} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$619 \div 5 = 123 \text{ remainder } 4$$

$$\begin{array}{r} 123 \\ 5 \mid 619 \\ \underline{5} \\ 11 \\ \underline{10} \\ 19 \\ \underline{15} \\ 4 \leftarrow \text{remainder} \end{array}$$

--
4 ← remainder

$$619 \div 7 = 88 \text{ remainder } 3$$

88
7 | 619
56
--
59
56
--

3 ← remainder

$$619 \div 11 = 56 \text{ remainder } 3$$

56
11 | 619
55
--
69
66
--

3 ← remainder

$$619 \div 13 = 47 \text{ remainder } 8$$

47
13 | 619
52
--
99
91
--

8 ← remainder

$$619 \div 17 = 36 \text{ remainder } 7$$

36
17 | 619
51
--
109
102

7 ← remainder

$619 \div 19 = 32 \text{ remainder } 11$

32
19 | 619
57
--
49
38
--
11 ← remainder

$619 \div 23 = 26 \text{ remainder } 21$

26
23 | 619
46
--
159
138

21 ← remainder

P₁₁₅ 631

$$631 \div 2 = 315 \text{ remainder } 1$$

$$\begin{array}{r} 315 \\ 2 \overline{) 631} \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$631 \div 3 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 3 \overline{) 631} \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$631 \div 5 = 126 \text{ remainder } 1$$

$$\begin{array}{r} 126 \\ 5 \overline{) 631} \\ \underline{5} \\ - \\ 13 \\ \underline{10} \\ - - \\ 31 \\ \underline{30} \end{array}$$

--
1 ← remainder

$$631 \div 7 = 90 \text{ remainder } 1$$

90
7 | 631
63
--
1
0
-

1 ← remainder

$$631 \div 11 = 57 \text{ remainder } 4$$

57
11 | 631
55
--
81
77
--

4 ← remainder

$$631 \div 13 = 48 \text{ remainder } 7$$

48
13 | 631
52
--
111
104

7 ← remainder

$$631 \div 17 = 37 \text{ remainder } 2$$

37
17 | 631
51
--
121
119

2 ← remainder

$$631 \div 19 = 33 \text{ remainder } 4$$

33
19 | 631
57
--
61
57
--
4 ← remainder

$$631 \div 23 = 27 \text{ remainder } 10$$

27
23 | 631
46
--
171
161

10 ← remainder

P₁₁₆ 641

$$641 \div 2 = 320 \text{ remainder } 1$$

$$\begin{array}{r} 320 \\ 2 \mid 641 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$641 \div 3 = 213 \text{ remainder } 2$$

$$\begin{array}{r} 213 \\ 3 \mid 641 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$641 \div 5 = 128 \text{ remainder } 1$$

$$\begin{array}{r} 128 \\ 5 \mid 641 \\ \underline{5} \\ - \\ 14 \\ \underline{10} \\ - \\ 41 \\ \underline{40} \\ - \end{array}$$

--
1 ← remainder

$$641 \div 7 = 91 \text{ remainder } 4$$

91
7 | 641
63
--
11
7
-

4 ← remainder

$$641 \div 11 = 58 \text{ remainder } 3$$

58
11 | 641
55
--
91
88
--
3 ← remainder

$$641 \div 13 = 49 \text{ remainder } 4$$

49
13 | 641
52
--
121
117

4 ← remainder

$$641 \div 17 = 37 \text{ remainder } 12$$

37
17 | 641
51
--
131
119

12 \leftarrow remainder

$$641 \div 19 = 33 \text{ remainder } 14$$

33

$$19 \mid 641$$

57

--

71

57

--

14 \leftarrow remainder

$$641 \div 23 = 27 \text{ remainder } 20$$

27

$$23 \mid 641$$

46

--

181

161

20 \leftarrow remainder

P₁₁₇ 643

$$643 \div 2 = 321 \text{ remainder } 1$$

$$\begin{array}{r} 321 \\ 2 \mid 643 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$643 \div 3 = 214 \text{ remainder } 1$$

$$\begin{array}{r} 214 \\ 3 \mid 643 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$643 \div 5 = 128 \text{ remainder } 3$$

$$\begin{array}{r} 128 \\ 5 \mid 643 \\ \underline{5} \\ - \\ 14 \\ \underline{10} \\ - \\ 43 \\ \underline{40} \\ - \\ 3 \end{array}$$

--
3 ← remainder

$$643 \div 7 = 91 \text{ remainder } 6$$

91
7 | 643
63
--
13
7
-

6 ← remainder

$$643 \div 11 = 58 \text{ remainder } 5$$

58
11 | 643
55
--
93
88
--
5 ← remainder

$$643 \div 13 = 49 \text{ remainder } 6$$

49
13 | 643
52
--
123
117

6 ← remainder

$$643 \div 17 = 37 \text{ remainder } 14$$

37
17 | 643
51
--
133
119

14 \leftarrow remainder

$$643 \div 19 = 33 \text{ remainder } 16$$

33

19 | 643

57

--

73

57

--

16 \leftarrow remainder

$$643 \div 23 = 27 \text{ remainder } 22$$

27

23 | 643

46

--

183

161

22 \leftarrow remainder

P₁₁₈ 647

$$647 \div 2 = 323 \text{ remainder } 1$$

$$\begin{array}{r} 323 \\ 2 \overline{) 647} \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$647 \div 3 = 215 \text{ remainder } 2$$

$$\begin{array}{r} 215 \\ 3 \overline{) 647} \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$647 \div 5 = 129 \text{ remainder } 2$$

$$\begin{array}{r} 129 \\ 5 \overline{) 647} \\ \underline{5} \\ - \\ 14 \\ \underline{10} \\ - - \\ 47 \\ \underline{45} \\ - - \end{array}$$

--
2 ← remainder

$647 \div 7 = 92$ remainder 3

92
7 | 647
63

--
17
14
--
3 ← remainder

$647 \div 11 = 58$ remainder 9

58
11 | 647
55

--
97
88
--
9 ← remainder

$647 \div 13 = 49$ remainder 10

49
13 | 647
52

--
127
117

10 ← remainder

$647 \div 17 = 38$ remainder 1

38
17 | 647
51

--
137
136

1 ← remainder

$$647 \div 19 = 34 \text{ remainder } 1$$

$$\begin{array}{r} 34 \\ 19 \overline{) 647} \\ \underline{57} \end{array}$$

--

77

76

--

1 ← remainder

$$647 \div 23 = 28 \text{ remainder } 3$$

$$\begin{array}{r} 28 \\ 23 \overline{) 647} \\ \underline{46} \end{array}$$

--

187

184

3 ← remainder

P₁₁₉ 653

$$653 \div 2 = 326 \text{ remainder } 1$$

$$\begin{array}{r} 326 \\ 2 \mid 653 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$653 \div 3 = 217 \text{ remainder } 2$$

$$\begin{array}{r} 217 \\ 3 \mid 653 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$653 \div 5 = 130 \text{ remainder } 3$$

$$\begin{array}{r} 130 \\ 5 \mid 653 \\ \underline{5} \\ - \\ 15 \\ \underline{15} \\ - - \\ 3 \\ \underline{0} \end{array}$$

-
3 ← remainder

$$653 \div 7 = 93 \text{ remainder } 2$$

93
7 | 653
63
--
23
21
--
2 ← remainder

$$653 \div 11 = 59 \text{ remainder } 4$$

59
11 | 653
55
--
103
99
--
4 ← remainder

$$653 \div 13 = 50 \text{ remainder } 3$$

50
13 | 653
65
--
3
0
-
3 ← remainder

$$653 \div 17 = 38 \text{ remainder } 7$$

38
17 | 653
51
--
143
136

7 ← remainder

$$653 \div 19 = 34 \text{ remainder } 7$$

34
19 | 653
57
--
83
76
--
7 ← remainder

$$653 \div 23 = 28 \text{ remainder } 9$$

28
23 | 653
46
--
193
184

9 ← remainder

P₁₂₀ 659

$$659 \div 2 = 329 \text{ remainder } 1$$

$$\begin{array}{r} 329 \\ 2 \overline{) 659} \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$659 \div 3 = 219 \text{ remainder } 2$$

$$\begin{array}{r} 219 \\ 3 \overline{) 659} \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$659 \div 5 = 131 \text{ remainder } 4$$

$$\begin{array}{r} 131 \\ 5 \overline{) 659} \\ \underline{5} \\ - \\ 15 \\ \underline{15} \\ - - \\ 9 \\ \underline{5} \end{array}$$

-
4 ← remainder

$$659 \div 7 = 94 \text{ remainder } 1$$

94
7 | 659
63
--
29
28
--
1 ← remainder

$$659 \div 11 = 59 \text{ remainder } 10$$

59
11 | 659
55
--
109
99
--
10 ← remainder

$$659 \div 13 = 50 \text{ remainder } 9$$

50
13 | 659
65
--
9
0
-
9 ← remainder

$$659 \div 17 = 38 \text{ remainder } 13$$

38
17 | 659
51
--
149
136

13 ← remainder

$$659 \div 19 = 34 \text{ remainder } 13$$

34
19 | 659
57
--
89
76
--
13 ← remainder

$$659 \div 23 = 28 \text{ remainder } 15$$

28
23 | 659
46
--
199
184

15 ← remainder

P₁₂₁ 661

$$661 \div 2 = 330 \text{ remainder } 1$$

$$\begin{array}{r} 330 \\ 2 \mid 661 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$661 \div 3 = 220 \text{ remainder } 1$$

$$\begin{array}{r} 220 \\ 3 \mid 661 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$661 \div 5 = 132 \text{ remainder } 1$$

$$\begin{array}{r} 132 \\ 5 \mid 661 \\ \underline{5} \\ - \\ 16 \\ \underline{15} \\ - \\ 11 \\ \underline{10} \\ - \end{array}$$

--
1 ← remainder

$661 \div 7 = 94$ remainder 3

94
7 | 661
63

--
31
28
--
3 ← remainder

$661 \div 11 = 60$ remainder 1

60
11 | 661
66

--
1
0
-
1 ← remainder

$661 \div 13 = 50$ remainder 11

50
13 | 661
65

--
11
0
-
11 ← remainder

$661 \div 17 = 38$ remainder 15

38
17 | 661
51

--
151
136

15 ← remainder

$661 \div 19 = 34 \text{ remainder } 15$

34
19 | 661
57

--

91

76

--

15 ← remainder

$661 \div 23 = 28 \text{ remainder } 17$

28
23 | 661
46

--

201

184

17 ← remainder

P₁₂₂ 673

$$673 \div 2 = 336 \text{ remainder } 1$$

$$\begin{array}{r} 336 \\ 2 \mid 673 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$673 \div 3 = 224 \text{ remainder } 1$$

$$\begin{array}{r} 224 \\ 3 \mid 673 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$673 \div 5 = 134 \text{ remainder } 3$$

$$\begin{array}{r} 134 \\ 5 \mid 673 \\ \underline{5} \\ - \\ 17 \\ \underline{15} \\ - - \\ 23 \\ \underline{20} \end{array}$$

--
3 ← remainder

$$673 \div 7 = 96 \text{ remainder } 1$$

96
7 | 673
63

--
43
42
--
1 ← remainder

$$673 \div 11 = 61 \text{ remainder } 2$$

61
11 | 673
66

--
13
11
--
2 ← remainder

$$673 \div 13 = 51 \text{ remainder } 10$$

51
13 | 673
65

--
23
13
--
10 ← remainder

$$673 \div 17 = 39 \text{ remainder } 10$$

39
17 | 673
51

--
163
153

10 ← remainder

$$673 \div 19 = 35 \text{ remainder } 8$$

$$\begin{array}{r} 35 \\ 19 \overline{) 673} \\ \underline{57} \end{array}$$

--

103

95

--

8 ← remainder

$$673 \div 23 = 29 \text{ remainder } 6$$

$$\begin{array}{r} 29 \\ 23 \overline{) 673} \\ \underline{46} \end{array}$$

--

213

207

6 ← remainder

P₁₂₃ 677

$$677 \div 2 = 338 \text{ remainder } 1$$

$$\begin{array}{r} 338 \\ 2 \overline{) 677} \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$677 \div 3 = 225 \text{ remainder } 2$$

$$\begin{array}{r} 225 \\ 3 \overline{) 677} \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$677 \div 5 = 135 \text{ remainder } 2$$

$$\begin{array}{r} 135 \\ 5 \overline{) 677} \\ \underline{5} \\ - \\ 17 \\ \underline{15} \\ - - \\ 27 \\ \underline{25} \\ - - \end{array}$$

--
2 ← remainder

$$677 \div 7 = 96 \text{ remainder } 5$$

96
7 | 677
63

--
47
42
--
5 ← remainder

$$677 \div 11 = 61 \text{ remainder } 6$$

61
11 | 677
66

--
17
11
--
6 ← remainder

$$677 \div 13 = 52 \text{ remainder } 1$$

52
13 | 677
65

--
27
26
--
1 ← remainder

$$677 \div 17 = 39 \text{ remainder } 14$$

39
17 | 677
51

--
167
153

14 ← remainder

$$677 \div 19 = 35 \text{ remainder } 12$$

$$\begin{array}{r} 35 \\ 19 \overline{) 677} \\ \underline{57} \end{array}$$

--

107

95

--

12 ← remainder

$$677 \div 23 = 29 \text{ remainder } 10$$

$$\begin{array}{r} 29 \\ 23 \overline{) 677} \\ \underline{46} \end{array}$$

--

217

207

10 ← remainder

P₁₂₄ 683

$$683 \div 2 = 341 \text{ remainder } 1$$

$$\begin{array}{r} 341 \\ 2 \overline{) 683} \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$683 \div 3 = 227 \text{ remainder } 2$$

$$\begin{array}{r} 227 \\ 3 \overline{) 683} \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$683 \div 5 = 136 \text{ remainder } 3$$

$$\begin{array}{r} 136 \\ 5 \overline{) 683} \\ \underline{5} \\ - \\ 18 \\ \underline{15} \\ - - \\ 33 \\ \underline{30} \\ \end{array}$$

--
3 ← remainder

$$683 \div 7 = 97 \text{ remainder } 4$$

97
7 | 683
63

--
53
49
--
4 ← remainder

$$683 \div 11 = 62 \text{ remainder } 1$$

62
11 | 683
66

--
23
22
--
1 ← remainder

$$683 \div 13 = 52 \text{ remainder } 7$$

52
13 | 683
65

--
33
26
--
7 ← remainder

$$683 \div 17 = 40 \text{ remainder } 3$$

40
17 | 683
68

--
3
0

-
3 ← remainder

$$683 \div 19 = 35 \text{ remainder } 18$$

35
19 | 683
57
--
113
95
--
18 ← remainder

$$683 \div 23 = 29 \text{ remainder } 16$$

29
23 | 683
46
--
223
207

16 ← remainder

P₁₂₅ 691

$$691 \div 2 = 345 \text{ remainder } 1$$

$$\begin{array}{r} 345 \\ 2 \mid 691 \\ \underline{6} \\ 9 \\ \underline{8} \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$691 \div 3 = 230 \text{ remainder } 1$$

$$\begin{array}{r} 230 \\ 3 \mid 691 \\ \underline{6} \\ 9 \\ \underline{9} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$691 \div 5 = 138 \text{ remainder } 1$$

$$\begin{array}{r} 138 \\ 5 \mid 691 \\ \underline{5} \\ 19 \\ \underline{15} \\ 41 \\ \underline{40} \\ 1 \leftarrow \text{remainder} \end{array}$$

--
1 ← remainder

$691 \div 7 = 98 \text{ remainder } 5$

98
7 | 691
63

--
61
56
--
5 ← remainder

$691 \div 11 = 62 \text{ remainder } 9$

62
11 | 691
66

--
31
22
--
9 ← remainder

$691 \div 13 = 53 \text{ remainder } 2$

53
13 | 691
65

--
41
39
--
2 ← remainder

$691 \div 17 = 40 \text{ remainder } 11$

40
17 | 691
68

--
11
0

-
11 ← remainder

$$691 \div 19 = 36 \text{ remainder } 7$$

36
19 | 691
57
--
121
114

7 ← remainder

$$691 \div 23 = 30 \text{ remainder } 1$$

30
23 | 691
69
--
1
0
-
1 ← remainder

P₁₂₆ 701

$$701 \div 2 = 350 \text{ remainder } 1$$

$$\begin{array}{r} 350 \\ 2 \mid 701 \\ \underline{6} \\ 10 \\ \underline{10} \\ 0 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$701 \div 3 = 233 \text{ remainder } 2$$

$$\begin{array}{r} 233 \\ 3 \mid 701 \\ \underline{6} \\ 10 \\ \underline{9} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$701 \div 5 = 140 \text{ remainder } 1$$

$$\begin{array}{r} 140 \\ 5 \mid 701 \\ \underline{5} \\ 20 \\ \underline{20} \\ 1 \\ \underline{0} \end{array}$$

-
1 ← remainder

$$701 \div 7 = 100 \text{ remainder } 1$$

100
7 | 701
7
-
0
0
-
1
0
-
1 ← remainder

$$701 \div 11 = 63 \text{ remainder } 8$$

63
11 | 701
66
--
41
33
--
8 ← remainder

$$701 \div 13 = 53 \text{ remainder } 12$$

53
13 | 701
65
--
51
39
--
12 ← remainder

$$701 \div 17 = 41 \text{ remainder } 4$$

41
17 | 701
68

```

--
21
17
--
4 ← remainder

```

$701 \div 19 = 36 \text{ remainder } 17$

```

      36
19 | 701
    57
    --
    131
    114
    ---
    17 ← remainder

```

$701 \div 23 = 30 \text{ remainder } 11$

```

      30
23 | 701
    69
    --
    11
    0
    -
    11 ← remainder

```


P₁₂₇ 709

$$709 \div 2 = 354 \text{ remainder } 1$$

$$\begin{array}{r} 354 \\ 2 \mid 709 \\ \underline{6} \\ 10 \\ \underline{10} \\ 0 \\ \underline{0} \\ 9 \\ \underline{8} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$709 \div 3 = 236 \text{ remainder } 1$$

$$\begin{array}{r} 236 \\ 3 \mid 709 \\ \underline{6} \\ 10 \\ \underline{9} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$709 \div 5 = 141 \text{ remainder } 4$$

$$\begin{array}{r} 141 \\ 5 \mid 709 \\ \underline{5} \\ 20 \\ \underline{20} \\ 9 \\ \underline{5} \\ 4 \end{array}$$

-
4 ← remainder

$$709 \div 7 = 101 \text{ remainder } 2$$

```
  101
7 | 709
  7
  -
  0
  0
  -
  9
  7
  -
  2 ← remainder
```

$$709 \div 11 = 64 \text{ remainder } 5$$

```
   64
11 | 709
   66
   --
   49
   44
   --
   5 ← remainder
```

$$709 \div 13 = 54 \text{ remainder } 7$$

```
   54
13 | 709
   65
   --
   59
   52
   --
   7 ← remainder
```

$$709 \div 17 = 41 \text{ remainder } 12$$

```
   41
17 | 709
   68
```

```

--
29
17
--
12 ← remainder

```

$$709 \div 19 = 37 \text{ remainder } 6$$

```

      37
19 | 709
    57
    --
    139
    133
    ---
     6 ← remainder

```

$$709 \div 23 = 30 \text{ remainder } 19$$

```

      30
23 | 709
    69
    --
    19
    0
    -
    19 ← remainder

```

P₁₂₈ 719

$$719 \div 2 = 359 \text{ remainder } 1$$

$$\begin{array}{r} 359 \\ 2 \mid 719 \\ \underline{6} \\ 11 \\ \underline{10} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$719 \div 3 = 239 \text{ remainder } 2$$

$$\begin{array}{r} 239 \\ 3 \mid 719 \\ \underline{6} \\ 11 \\ \underline{9} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$719 \div 5 = 143 \text{ remainder } 4$$

$$\begin{array}{r} 143 \\ 5 \mid 719 \\ \underline{5} \\ 21 \\ \underline{20} \\ 19 \\ \underline{15} \\ 4 \leftarrow \text{remainder} \end{array}$$

--
4 ← remainder

$$719 \div 7 = 102 \text{ remainder } 5$$

102
7 | 719
7
-
1
0
-
19
14
--
5 ← remainder

$$719 \div 11 = 65 \text{ remainder } 4$$

65
11 | 719
66
--
59
55
--
4 ← remainder

$$719 \div 13 = 55 \text{ remainder } 4$$

55
13 | 719
65
--
69
65
--
4 ← remainder

$$719 \div 17 = 42 \text{ remainder } 5$$

42
17 | 719
68

```

--
39
34
--
5 ← remainder

```

$719 \div 19 = 37 \text{ remainder } 16$

```

  37
19 | 719
   57
   --
  149
  133
  ---
   16 ← remainder

```

$719 \div 23 = 31 \text{ remainder } 6$

```

  31
23 | 719
   69
   --
   29
   23
   --
    6 ← remainder

```

P₁₂₉ 727

$$727 \div 2 = 363 \text{ remainder } 1$$

$$\begin{array}{r} 363 \\ 2 \mid 727 \\ \underline{6} \\ 12 \\ \underline{12} \\ 00 \\ \underline{00} \\ 07 \\ \underline{06} \\ 01 \leftarrow \text{remainder} \end{array}$$

$$727 \div 3 = 242 \text{ remainder } 1$$

$$\begin{array}{r} 242 \\ 3 \mid 727 \\ \underline{6} \\ 12 \\ \underline{12} \\ 00 \\ \underline{00} \\ 07 \\ \underline{06} \\ 01 \leftarrow \text{remainder} \end{array}$$

$$727 \div 5 = 145 \text{ remainder } 2$$

$$\begin{array}{r} 145 \\ 5 \mid 727 \\ \underline{5} \\ 22 \\ \underline{20} \\ 02 \\ \underline{00} \\ 027 \\ \underline{025} \\ 002 \end{array}$$

--
2 ← remainder

$$727 \div 7 = 103 \text{ remainder } 6$$

103
7 | 727
7
-
2
0
-
27
21
--
6 ← remainder

$$727 \div 11 = 66 \text{ remainder } 1$$

66
11 | 727
66
--
67
66
--
1 ← remainder

$$727 \div 13 = 55 \text{ remainder } 12$$

55
13 | 727
65
--
77
65
--
12 ← remainder

$$727 \div 17 = 42 \text{ remainder } 13$$

42
17 | 727
68


```

--
47
34
--
13 ← remainder

```

$727 \div 19 = 38 \text{ remainder } 5$

```

      38
19 | 727
    57
    --
    157
    152
    ---
     5 ← remainder

```

$727 \div 23 = 31 \text{ remainder } 14$

```

      31
23 | 727
    69
    --
    37
    23
    --
    14 ← remainder

```

P₁₃₀ 733

$$733 \div 2 = 366 \text{ remainder } 1$$

$$\begin{array}{r} 366 \\ 2 \mid 733 \\ \underline{6} \\ 13 \\ \underline{12} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$733 \div 3 = 244 \text{ remainder } 1$$

$$\begin{array}{r} 244 \\ 3 \mid 733 \\ \underline{6} \\ 13 \\ \underline{12} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$733 \div 5 = 146 \text{ remainder } 3$$

$$\begin{array}{r} 146 \\ 5 \mid 733 \\ \underline{5} \\ 23 \\ \underline{20} \\ 33 \\ \underline{30} \end{array}$$

--
3 ← remainder

$$733 \div 7 = 104 \text{ remainder } 5$$

104
7 | 733
7
-
3
0
-
33
28
--
5 ← remainder

$$733 \div 11 = 66 \text{ remainder } 7$$

66
11 | 733
66
--
73
66
--
7 ← remainder

$$733 \div 13 = 56 \text{ remainder } 5$$

56
13 | 733
65
--
83
78
--
5 ← remainder

$$733 \div 17 = 43 \text{ remainder } 2$$

43
17 | 733
68

```

--
53
51
--
2 ← remainder

```

$733 \div 19 = 38 \text{ remainder } 11$

```

      38
19 | 733
    57
    --
    163
    152
    ---
    11 ← remainder

```

$733 \div 23 = 31 \text{ remainder } 20$

```

      31
23 | 733
    69
    --
    43
    23
    --
    20 ← remainder

```

P₁₃₁ 739

$$739 \div 2 = 369 \text{ remainder } 1$$

$$\begin{array}{r} 369 \\ 2 \mid 739 \\ \underline{6} \\ 13 \\ \underline{12} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$739 \div 3 = 246 \text{ remainder } 1$$

$$\begin{array}{r} 246 \\ 3 \mid 739 \\ \underline{6} \\ 13 \\ \underline{12} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$739 \div 5 = 147 \text{ remainder } 4$$

$$\begin{array}{r} 147 \\ 5 \mid 739 \\ \underline{5} \\ 23 \\ \underline{20} \\ 39 \\ \underline{35} \end{array}$$

--
4 ← remainder

$$739 \div 7 = 105 \text{ remainder } 4$$

105
7 | 739
7
-
3
0
-
39
35
--
4 ← remainder

$$739 \div 11 = 67 \text{ remainder } 2$$

67
11 | 739
66
--
79
77
--
2 ← remainder

$$739 \div 13 = 56 \text{ remainder } 11$$

56
13 | 739
65
--
89
78
--
11 ← remainder

$$739 \div 17 = 43 \text{ remainder } 8$$

43
17 | 739
68

```

--
59
51
--
8 ← remainder

```

$$739 \div 19 = 38 \text{ remainder } 17$$

```

      38
19 | 739
    57
    --
    169
    152
    ---
    17 ← remainder

```

$$739 \div 23 = 32 \text{ remainder } 3$$

```

      32
23 | 739
    69
    --
    49
    46
    --
    3 ← remainder

```

P₁₃₂ 743

$$743 \div 2 = 371 \text{ remainder } 1$$

$$\begin{array}{r} 371 \\ 2 \mid 743 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$743 \div 3 = 247 \text{ remainder } 2$$

$$\begin{array}{r} 247 \\ 3 \mid 743 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$743 \div 5 = 148 \text{ remainder } 3$$

$$\begin{array}{r} 148 \\ 5 \mid 743 \\ \underline{5} \\ - \\ 24 \\ \underline{20} \\ - - \\ 43 \\ \underline{40} \\ - \end{array}$$

--
3 ← remainder

$$743 \div 7 = 106 \text{ remainder } 1$$

106
7 | 743
7
-
4
0
-
43
42
--
1 ← remainder

$$743 \div 11 = 67 \text{ remainder } 6$$

67
11 | 743
66
--
83
77
--
6 ← remainder

$$743 \div 13 = 57 \text{ remainder } 2$$

57
13 | 743
65
--
93
91
--
2 ← remainder

$$743 \div 17 = 43 \text{ remainder } 12$$

43
17 | 743
68

```

--
63
51
--
12 ← remainder

```

$$743 \div 19 = 39 \text{ remainder } 2$$

```

    39
19 | 743
    57
    --
    173
    171
    ---
     2 ← remainder

```

$$743 \div 23 = 32 \text{ remainder } 7$$

```

    32
23 | 743
    69
    --
    53
    46
    --
     7 ← remainder

```

P₁₃₃ 751

$$751 \div 2 = 375 \text{ remainder } 1$$

$$\begin{array}{r} 375 \\ 2 \overline{) 751} \\ \underline{6} \\ 15 \\ \underline{14} \\ 11 \\ \underline{10} \\ 1 \\ \leftarrow \text{remainder} \end{array}$$

$$751 \div 3 = 250 \text{ remainder } 1$$

$$\begin{array}{r} 250 \\ 3 \overline{) 751} \\ \underline{6} \\ 15 \\ \underline{15} \\ 1 \\ \underline{0} \\ 1 \\ \leftarrow \text{remainder} \end{array}$$

$$751 \div 5 = 150 \text{ remainder } 1$$

$$\begin{array}{r} 150 \\ 5 \overline{) 751} \\ \underline{5} \\ 25 \\ \underline{25} \\ 1 \\ \underline{0} \end{array}$$

-
1 ← remainder

$$751 \div 7 = 107 \text{ remainder } 2$$

107
7 | 751
7
-
5
0
-
51
49
--
2 ← remainder

$$751 \div 11 = 68 \text{ remainder } 3$$

68
11 | 751
66
--
91
88
--
3 ← remainder

$$751 \div 13 = 57 \text{ remainder } 10$$

57
13 | 751
65
--
101
91
--
10 ← remainder

$$751 \div 17 = 44 \text{ remainder } 3$$

44
17 | 751
68

```

--
71
68
--
3 ← remainder

```

$751 \div 19 = 39 \text{ remainder } 10$

```

  39
19 | 751
   57
   --
   181
   171
   ---
   10 ← remainder

```

$751 \div 23 = 32 \text{ remainder } 15$

```

  32
23 | 751
   69
   --
   61
   46
   --
   15 ← remainder

```

P₁₃₄ 757

$$757 \div 2 = 378 \text{ remainder } 1$$

$$\begin{array}{r} 378 \\ 2 \overline{) 757} \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$757 \div 3 = 252 \text{ remainder } 1$$

$$\begin{array}{r} 252 \\ 3 \overline{) 757} \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$757 \div 5 = 151 \text{ remainder } 2$$

$$\begin{array}{r} 151 \\ 5 \overline{) 757} \\ \underline{5} \\ - \\ 25 \\ \underline{25} \\ - - \\ 7 \\ \underline{5} \\ \end{array}$$

-
2 ← remainder

$$757 \div 7 = 108 \text{ remainder } 1$$

108
7 | 757
7
-
5
0
-
57
56
--
1 ← remainder

$$757 \div 11 = 68 \text{ remainder } 9$$

68
11 | 757
66
--
97
88
--
9 ← remainder

$$757 \div 13 = 58 \text{ remainder } 3$$

58
13 | 757
65
--
107
104

3 ← remainder

$$757 \div 17 = 44 \text{ remainder } 9$$

44
17 | 757
68

```

--
77
68
--
9 ← remainder

```

$$757 \div 19 = 39 \text{ remainder } 16$$

```

    39
19 | 757
    57
    --
    187
    171
    ---
    16 ← remainder

```

$$757 \div 23 = 32 \text{ remainder } 21$$

```

    32
23 | 757
    69
    --
    67
    46
    --
    21 ← remainder

```


P₁₃₅ 761

$$761 \div 2 = 380 \text{ remainder } 1$$

$$\begin{array}{r} 380 \\ 2 \mid 761 \\ \underline{6} \\ 16 \\ \underline{16} \\ 10 \\ \underline{10} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$761 \div 3 = 253 \text{ remainder } 2$$

$$\begin{array}{r} 253 \\ 3 \mid 761 \\ \underline{6} \\ 16 \\ \underline{15} \\ 11 \\ \underline{9} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$761 \div 5 = 152 \text{ remainder } 1$$

$$\begin{array}{r} 152 \\ 5 \mid 761 \\ \underline{5} \\ 26 \\ \underline{25} \\ 11 \\ \underline{10} \\ 1 \end{array}$$

--
1 ← remainder

$$761 \div 7 = 108 \text{ remainder } 5$$

108
7 | 761
 7
 -
 6
 0
 -
 61
 56
 --
 5 ← remainder

$$761 \div 11 = 69 \text{ remainder } 2$$

69
11 | 761
 66
 --
 101
 99
 --
 2 ← remainder

$$761 \div 13 = 58 \text{ remainder } 7$$

58
13 | 761
 65
 --
 111
 104

 7 ← remainder

$$761 \div 17 = 44 \text{ remainder } 13$$

44
17 | 761
 68

```

--
81
68
--
13 ← remainder

```

$761 \div 19 = 40 \text{ remainder } 1$

```

40
19 | 761
   76
   --
   1
   0
   -
   1 ← remainder

```

$761 \div 23 = 33 \text{ remainder } 2$

```

33
23 | 761
   69
   --
   71
   69
   --
   2 ← remainder

```

P₁₃₆ 769

$$769 \div 2 = 384 \text{ remainder } 1$$

$$\begin{array}{r} 384 \\ 2 \mid 769 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$769 \div 3 = 256 \text{ remainder } 1$$

$$\begin{array}{r} 256 \\ 3 \mid 769 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$769 \div 5 = 153 \text{ remainder } 4$$

$$\begin{array}{r} 153 \\ 5 \mid 769 \\ \underline{5} \\ - \\ 26 \\ \underline{25} \\ -- \\ 19 \\ \underline{15} \end{array}$$

--
4 ← remainder

$$769 \div 7 = 109 \text{ remainder } 6$$

109
7 | 769
7
-
6
0
-
69
63
--
6 ← remainder

$$769 \div 11 = 69 \text{ remainder } 10$$

69
11 | 769
66
--
109
99
--
10 ← remainder

$$769 \div 13 = 59 \text{ remainder } 2$$

59
13 | 769
65
--
119
117

2 ← remainder

$$769 \div 17 = 45 \text{ remainder } 4$$

45
17 | 769
68

```

--
89
85
--
4 ← remainder

```

$$769 \div 19 = 40 \text{ remainder } 9$$

```

40
19 | 769
   76
   --
   9
   0
   -
   9 ← remainder

```

$$769 \div 23 = 33 \text{ remainder } 10$$

```

33
23 | 769
   69
   --
   79
   69
   --
   10 ← remainder

```

P₁₃₇ 773

$$773 \div 2 = 386 \text{ remainder } 1$$

$$\begin{array}{r} 386 \\ 2 \overline{) 773} \\ \underline{6} \\ 17 \\ \underline{16} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$773 \div 3 = 257 \text{ remainder } 2$$

$$\begin{array}{r} 257 \\ 3 \overline{) 773} \\ \underline{6} \\ 17 \\ \underline{15} \\ 23 \\ \underline{21} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$773 \div 5 = 154 \text{ remainder } 3$$

$$\begin{array}{r} 154 \\ 5 \overline{) 773} \\ \underline{5} \\ 27 \\ \underline{25} \\ 23 \\ \underline{20} \end{array}$$

--
3 ← remainder

$$773 \div 7 = 110 \text{ remainder } 3$$

110
7 | 773
7
-
7
7
-
3
0
-
3 ← remainder

$$773 \div 11 = 70 \text{ remainder } 3$$

70
11 | 773
77
--
3
0
-
3 ← remainder

$$773 \div 13 = 59 \text{ remainder } 6$$

59
13 | 773
65
--
123
117

6 ← remainder

$$773 \div 17 = 45 \text{ remainder } 8$$

45
17 | 773
68


```

--
93
85
--
8 ← remainder

```

$$773 \div 19 = 40 \text{ remainder } 13$$

```

    40
19 | 773
    76
    --
    13
    0
    -
    13 ← remainder

```

$$773 \div 23 = 33 \text{ remainder } 14$$

```

    33
23 | 773
    69
    --
    83
    69
    --
    14 ← remainder

```

P₁₃₈ 787

$$787 \div 2 = 393 \text{ remainder } 1$$

$$\begin{array}{r} 393 \\ 2 \overline{) 787} \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$787 \div 3 = 262 \text{ remainder } 1$$

$$\begin{array}{r} 262 \\ 3 \overline{) 787} \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$787 \div 5 = 157 \text{ remainder } 2$$

$$\begin{array}{r} 157 \\ 5 \overline{) 787} \\ \underline{5} \\ - \\ 28 \\ \underline{25} \\ - - \\ 37 \\ \underline{35} \\ - \end{array}$$

--
2 ← remainder

$$787 \div 7 = 112 \text{ remainder } 3$$

112
7 | 787
7
-
8
7
-
17
14
--
3 ← remainder

$$787 \div 11 = 71 \text{ remainder } 6$$

71
11 | 787
77
--
17
11
--
6 ← remainder

$$787 \div 13 = 60 \text{ remainder } 7$$

60
13 | 787
78
--
7
0
-
7 ← remainder

$$787 \div 17 = 46 \text{ remainder } 5$$

46
17 | 787
68

```

--
107
102
---
5 ← remainder

```

$787 \div 19 = 41 \text{ remainder } 8$

```

41
19 | 787
   76
   --
   27
   19
   --
   8 ← remainder

```

$787 \div 23 = 34 \text{ remainder } 5$

```

34
23 | 787
   69
   --
   97
   92
   --
   5 ← remainder

```

P₁₃₉ 797

$$797 \div 2 = 398 \text{ remainder } 1$$

$$\begin{array}{r} 398 \\ 2 \overline{) 797} \\ \underline{6} \\ 19 \\ \underline{18} \\ 17 \\ \underline{16} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$797 \div 3 = 265 \text{ remainder } 2$$

$$\begin{array}{r} 265 \\ 3 \overline{) 797} \\ \underline{6} \\ 19 \\ \underline{18} \\ 17 \\ \underline{15} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$797 \div 5 = 159 \text{ remainder } 2$$

$$\begin{array}{r} 159 \\ 5 \overline{) 797} \\ \underline{5} \\ 29 \\ \underline{25} \\ 47 \\ \underline{45} \end{array}$$

--
2 ← remainder

$$797 \div 7 = 113 \text{ remainder } 6$$

113
7 | 797
7
-
9
7
-
27
21
--
6 ← remainder

$$797 \div 11 = 72 \text{ remainder } 5$$

72
11 | 797
77
--
27
22
--
5 ← remainder

$$797 \div 13 = 61 \text{ remainder } 4$$

61
13 | 797
78
--
17
13
--
4 ← remainder

$$797 \div 17 = 46 \text{ remainder } 15$$

46
17 | 797
68

```

--
117
102
---
15 ← remainder

```

$797 \div 19 = 41 \text{ remainder } 18$

```

41
19 | 797
   76
   --
   37
   19
   --
   18 ← remainder

```

$797 \div 23 = 34 \text{ remainder } 15$

```

34
23 | 797
   69
   --
  107
   92
   --
   15 ← remainder

```

P₁₄₀ 809

$$809 \div 2 = 404 \text{ remainder } 1$$

$$\begin{array}{r} 404 \\ 2 \overline{) 809} \\ \underline{8} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 9 \\ \underline{8} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$809 \div 3 = 269 \text{ remainder } 2$$

$$\begin{array}{r} 269 \\ 3 \overline{) 809} \\ \underline{6} \\ 20 \\ \underline{18} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$809 \div 5 = 161 \text{ remainder } 4$$

$$\begin{array}{r} 161 \\ 5 \overline{) 809} \\ \underline{5} \\ 30 \\ \underline{30} \\ 9 \\ \underline{5} \\ 4 \leftarrow \text{remainder} \end{array}$$

-
4 ← remainder

$$809 \div 7 = 115 \text{ remainder } 4$$

115
7 | 809
7
-
10
7
-
39
35
--
4 ← remainder

$$809 \div 11 = 73 \text{ remainder } 6$$

73
11 | 809
77
--
39
33
--
6 ← remainder

$$809 \div 13 = 62 \text{ remainder } 3$$

62
13 | 809
78
--
29
26
--
3 ← remainder

$$809 \div 17 = 47 \text{ remainder } 10$$

47
17 | 809
68

```

--
129
119
---
10 ← remainder

```

$809 \div 19 = 42 \text{ remainder } 11$

```

42
19 | 809
   76
   --
   49
   38
   --
   11 ← remainder

```

$809 \div 23 = 35 \text{ remainder } 4$

```

35
23 | 809
   69
   --
   119
   115
   ---
   4 ← remainder

```

P₁₄₁ 811

$$811 \div 2 = 405 \text{ remainder } 1$$

$$\begin{array}{r} 405 \\ 2 \overline{) 811} \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$811 \div 3 = 270 \text{ remainder } 1$$

$$\begin{array}{r} 270 \\ 3 \overline{) 811} \\ \underline{6} \\ - \\ 21 \\ \underline{21} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$811 \div 5 = 162 \text{ remainder } 1$$

$$\begin{array}{r} 162 \\ 5 \overline{) 811} \\ \underline{5} \\ - \\ 31 \\ \underline{30} \\ - - \\ 11 \\ \underline{10} \end{array}$$

--
1 ← remainder

$$811 \div 7 = 115 \text{ remainder } 6$$

115
7 | 811
7
-
11
7
-
41
35
--
6 ← remainder

$$811 \div 11 = 73 \text{ remainder } 8$$

73
11 | 811
77
--
41
33
--
8 ← remainder

$$811 \div 13 = 62 \text{ remainder } 5$$

62
13 | 811
78
--
31
26
--
5 ← remainder

$$811 \div 17 = 47 \text{ remainder } 12$$

47
17 | 811
68

```

--
131
119
---
12 ← remainder

```

$811 \div 19 = 42 \text{ remainder } 13$

```

42
19 | 811
   76
   --
   51
   38
   --
   13 ← remainder

```

$811 \div 23 = 35 \text{ remainder } 6$

```

35
23 | 811
   69
   --
  121
  115
  ---
   6 ← remainder

```

P₁₄₂ 821

$$821 \div 2 = 410 \text{ remainder } 1$$

$$\begin{array}{r} 410 \\ 2 \mid 821 \\ \underline{8} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$821 \div 3 = 273 \text{ remainder } 2$$

$$\begin{array}{r} 273 \\ 3 \mid 821 \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$821 \div 5 = 164 \text{ remainder } 1$$

$$\begin{array}{r} 164 \\ 5 \mid 821 \\ \underline{5} \\ - \\ 32 \\ \underline{30} \\ - \\ 21 \\ \underline{20} \\ - \\ 1 \end{array}$$

--
1 ← remainder

$$821 \div 7 = 117 \text{ remainder } 2$$

117
7 | 821
7
-
12
7
-
51
49
--
2 ← remainder

$$821 \div 11 = 74 \text{ remainder } 7$$

74
11 | 821
77
--
51
44
--
7 ← remainder

$$821 \div 13 = 63 \text{ remainder } 2$$

63
13 | 821
78
--
41
39
--
2 ← remainder

$$821 \div 17 = 48 \text{ remainder } 5$$

48
17 | 821
68

```

--
141
136
---
5 ← remainder

```

$821 \div 19 = 43 \text{ remainder } 4$

```

43
19 | 821
   76
   --
   61
   57
   --
   4 ← remainder

```

$821 \div 23 = 35 \text{ remainder } 16$

```

35
23 | 821
   69
   --
   131
   115
   ---
   16 ← remainder

```


P₁₄₃ 823

$$823 \div 2 = 411 \text{ remainder } 1$$

$$\begin{array}{r} 411 \\ 2 \overline{) 823} \\ \underline{8} \\ - \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$823 \div 3 = 274 \text{ remainder } 1$$

$$\begin{array}{r} 274 \\ 3 \overline{) 823} \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$823 \div 5 = 164 \text{ remainder } 3$$

$$\begin{array}{r} 164 \\ 5 \overline{) 823} \\ \underline{5} \\ - \\ 32 \\ \underline{30} \\ - \\ 23 \\ \underline{20} \\ - \\ 3 \end{array}$$

--
3 ← remainder

$$823 \div 7 = 117 \text{ remainder } 4$$

117
7 | 823
7
-
12
7
-
53
49
--
4 ← remainder

$$823 \div 11 = 74 \text{ remainder } 9$$

74
11 | 823
77
--
53
44
--
9 ← remainder

$$823 \div 13 = 63 \text{ remainder } 4$$

63
13 | 823
78
--
43
39
--
4 ← remainder

$$823 \div 17 = 48 \text{ remainder } 7$$

48
17 | 823
68

```

--
143
136
---
7 ← remainder

```

$823 \div 19 = 43 \text{ remainder } 6$

```

43
19 | 823
   76
   --
   63
   57
   --
   6 ← remainder

```

$823 \div 23 = 35 \text{ remainder } 18$

```

35
23 | 823
   69
   --
   133
   115
   ---
   18 ← remainder

```

P₁₄₄ 827

$$827 \div 2 = 413 \text{ remainder } 1$$

$$\begin{array}{r} 413 \\ 2 \overline{) 827} \\ \underline{8} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$827 \div 3 = 275 \text{ remainder } 2$$

$$\begin{array}{r} 275 \\ 3 \overline{) 827} \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$827 \div 5 = 165 \text{ remainder } 2$$

$$\begin{array}{r} 165 \\ 5 \overline{) 827} \\ \underline{5} \\ - \\ 32 \\ \underline{30} \\ - - \\ 27 \\ \underline{25} \\ - - \end{array}$$

--
2 ← remainder

$$827 \div 7 = 118 \text{ remainder } 1$$

118
7 | 827
7
-
12
7
-
57
56
--
1 ← remainder

$$827 \div 11 = 75 \text{ remainder } 2$$

75
11 | 827
77
--
57
55
--
2 ← remainder

$$827 \div 13 = 63 \text{ remainder } 8$$

63
13 | 827
78
--
47
39
--
8 ← remainder

$$827 \div 17 = 48 \text{ remainder } 11$$

48
17 | 827
68

```

--
147
136
---
11 ← remainder

```

$827 \div 19 = 43 \text{ remainder } 10$

```

43
19 | 827
   76
   --
   67
   57
   --
   10 ← remainder

```

$827 \div 23 = 35 \text{ remainder } 22$

```

35
23 | 827
   69
   --
   137
   115
   ---
   22 ← remainder

```

P₁₄₅ 829

$$829 \div 2 = 414 \text{ remainder } 1$$

$$\begin{array}{r} 414 \\ 2 \mid 829 \\ \underline{8} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$829 \div 3 = 276 \text{ remainder } 1$$

$$\begin{array}{r} 276 \\ 3 \mid 829 \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$829 \div 5 = 165 \text{ remainder } 4$$

$$\begin{array}{r} 165 \\ 5 \mid 829 \\ \underline{5} \\ - \\ 32 \\ \underline{30} \\ - - \\ 29 \\ \underline{25} \end{array}$$

--
4 ← remainder

$$829 \div 7 = 118 \text{ remainder } 3$$

118
7 | 829
7
-
12
7
-
59
56
--
3 ← remainder

$$829 \div 11 = 75 \text{ remainder } 4$$

75
11 | 829
77
--
59
55
--
4 ← remainder

$$829 \div 13 = 63 \text{ remainder } 10$$

63
13 | 829
78
--
49
39
--
10 ← remainder

$$829 \div 17 = 48 \text{ remainder } 13$$

48
17 | 829
68


```

--
149
136
---
13 ← remainder

```

$829 \div 19 = 43 \text{ remainder } 12$

```

43
19 | 829
   76
   --
   69
   57
   --
   12 ← remainder

```

$829 \div 23 = 36 \text{ remainder } 1$

```

36
23 | 829
   69
   --
   139
   138
   ---
   1 ← remainder

```

P₁₄₆ 839

$$839 \div 2 = 419 \text{ remainder } 1$$

$$\begin{array}{r} 419 \\ 2 \overline{) 839} \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$839 \div 3 = 279 \text{ remainder } 2$$

$$\begin{array}{r} 279 \\ 3 \overline{) 839} \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$839 \div 5 = 167 \text{ remainder } 4$$

$$\begin{array}{r} 167 \\ 5 \overline{) 839} \\ \underline{5} \\ - \\ 33 \\ \underline{30} \\ -- \\ 39 \\ \underline{35} \\ \end{array}$$

--
4 ← remainder

$$839 \div 7 = 119 \text{ remainder } 6$$

119
7 | 839
7
-
13
7
-
69
63
--
6 ← remainder

$$839 \div 11 = 76 \text{ remainder } 3$$

76
11 | 839
77
--
69
66
--
3 ← remainder

$$839 \div 13 = 64 \text{ remainder } 7$$

64
13 | 839
78
--
59
52
--
7 ← remainder

$$839 \div 17 = 49 \text{ remainder } 6$$

49
17 | 839
68

```

--
159
153
---
6 ← remainder

```

$$839 \div 19 = 44 \text{ remainder } 3$$

```

44
19 | 839
   76
   --
   79
   76
   --
   3 ← remainder

```

$$839 \div 23 = 36 \text{ remainder } 11$$

```

36
23 | 839
   69
   --
  149
  138
  ---
  11 ← remainder

```

P₁₄₇ 853

$$853 \div 2 = 426 \text{ remainder } 1$$

$$\begin{array}{r} 426 \\ 2 \mid 853 \\ \underline{8} \\ - \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$853 \div 3 = 284 \text{ remainder } 1$$

$$\begin{array}{r} 284 \\ 3 \mid 853 \\ \underline{6} \\ - \\ 25 \\ \underline{24} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$853 \div 5 = 170 \text{ remainder } 3$$

$$\begin{array}{r} 170 \\ 5 \mid 853 \\ \underline{5} \\ - \\ 35 \\ \underline{35} \\ - - \\ 3 \\ \underline{0} \end{array}$$

-
3 ← remainder

$$853 \div 7 = 121 \text{ remainder } 6$$

121
7 | 853
7
-
15
14
--
13
7
-
6 ← remainder

$$853 \div 11 = 77 \text{ remainder } 6$$

77
11 | 853
77
--
83
77
--
6 ← remainder

$$853 \div 13 = 65 \text{ remainder } 8$$

65
13 | 853
78
--
73
65
--
8 ← remainder

$$853 \div 17 = 50 \text{ remainder } 3$$

50
17 | 853
85

```

--
3
0
-
3 ← remainder

```

$$853 \div 19 = 44 \text{ remainder } 17$$

```

44
19 | 853
   76
   --
   93
   76
   --
   17 ← remainder

```

$$853 \div 23 = 37 \text{ remainder } 2$$

```

37
23 | 853
   69
   --
  163
  161
  ---
   2 ← remainder

```

$$853 \div 29 = 29 \text{ remainder } 12$$

```

29
29 | 853
   58
   --
  273
  261
  ---
   12 ← remainder

```

P₁₄₈ 857

$$857 \div 2 = 428 \text{ remainder } 1$$

$$\begin{array}{r} 428 \\ 2 \mid 857 \\ \underline{8} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$857 \div 3 = 285 \text{ remainder } 2$$

$$\begin{array}{r} 285 \\ 3 \mid 857 \\ \underline{6} \\ - \\ 25 \\ \underline{24} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$857 \div 5 = 171 \text{ remainder } 2$$

$$\begin{array}{r} 171 \\ 5 \mid 857 \\ \underline{5} \\ - \\ 35 \\ \underline{35} \\ - - \\ 7 \\ \underline{5} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

-
2 ← remainder

$$857 \div 7 = 122 \text{ remainder } 3$$

122
7 | 857
7

-
15
14
--
17
14
--

3 ← remainder

$$857 \div 11 = 77 \text{ remainder } 10$$

77
11 | 857
77

--
87
77

--
10 ← remainder

$$857 \div 13 = 65 \text{ remainder } 12$$

65
13 | 857
78

--
77
65

--
12 ← remainder

$$857 \div 17 = 50 \text{ remainder } 7$$

50
17 | 857
85

```

--
7
0
-
7 ← remainder

```

$$857 \div 19 = 45 \text{ remainder } 2$$

```

45
19 | 857
   76
   --
   97
   95
   --
   2 ← remainder

```

$$857 \div 23 = 37 \text{ remainder } 6$$

```

37
23 | 857
   69
   --
  167
  161
  ---
   6 ← remainder

```

$$857 \div 29 = 29 \text{ remainder } 16$$

```

29
29 | 857
   58
   --
  277
  261
  ---
  16 ← remainder

```

P₁₄₉ 859

$$859 \div 2 = 429 \text{ remainder } 1$$

$$\begin{array}{r} 429 \\ 2 \mid 859 \\ \underline{8} \\ - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$859 \div 3 = 286 \text{ remainder } 1$$

$$\begin{array}{r} 286 \\ 3 \mid 859 \\ \underline{6} \\ - \\ 25 \\ \underline{24} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$859 \div 5 = 171 \text{ remainder } 4$$

$$\begin{array}{r} 171 \\ 5 \mid 859 \\ \underline{5} \\ - \\ 35 \\ \underline{35} \\ - - \\ 9 \\ \underline{5} \end{array}$$

-
4 ← remainder

$$859 \div 7 = 122 \text{ remainder } 5$$

122
7 | 859
7
-
15
14
--
19
14
--
5 ← remainder

$$859 \div 11 = 78 \text{ remainder } 1$$

78
11 | 859
77
--
89
88
--
1 ← remainder

$$859 \div 13 = 66 \text{ remainder } 1$$

66
13 | 859
78
--
79
78
--
1 ← remainder

$$859 \div 17 = 50 \text{ remainder } 9$$

50
17 | 859
85

```

--
9
0
-
9 ← remainder

```

$$859 \div 19 = 45 \text{ remainder } 4$$

```

45
19 | 859
   76
   --
   99
   95
   --
   4 ← remainder

```

$$859 \div 23 = 37 \text{ remainder } 8$$

```

37
23 | 859
   69
   --
  169
  161
  ---
   8 ← remainder

```

$$859 \div 29 = 29 \text{ remainder } 18$$

```

29
29 | 859
   58
   --
  279
  261
  ---
  18 ← remainder

```

P₁₅₀ 863

$$863 \div 2 = 431 \text{ remainder } 1$$

$$\begin{array}{r} 431 \\ 2 \overline{) 863} \\ \underline{8} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$863 \div 3 = 287 \text{ remainder } 2$$

$$\begin{array}{r} 287 \\ 3 \overline{) 863} \\ \underline{6} \\ - \\ 26 \\ \underline{24} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$863 \div 5 = 172 \text{ remainder } 3$$

$$\begin{array}{r} 172 \\ 5 \overline{) 863} \\ \underline{5} \\ - \\ 36 \\ \underline{35} \\ - - \\ 13 \\ \underline{10} \\ - \\ 3 \leftarrow \text{remainder} \end{array}$$

--
3 ← remainder

$$863 \div 7 = 123 \text{ remainder } 2$$

123
7 | 863
7
-
16
14
--
23
21
--
2 ← remainder

$$863 \div 11 = 78 \text{ remainder } 5$$

78
11 | 863
77
--
93
88
--
5 ← remainder

$$863 \div 13 = 66 \text{ remainder } 5$$

66
13 | 863
78
--
83
78
--
5 ← remainder

$$863 \div 17 = 50 \text{ remainder } 13$$

50
17 | 863
85

```

--
13
0
-
13 ← remainder

```

$$863 \div 19 = 45 \text{ remainder } 8$$

```

45
19 | 863
   76
   --
   103
   95
   --
   8 ← remainder

```

$$863 \div 23 = 37 \text{ remainder } 12$$

```

37
23 | 863
   69
   --
   173
   161
   ---
   12 ← remainder

```

$$863 \div 29 = 29 \text{ remainder } 22$$

```

29
29 | 863
   58
   --
   283
   261
   ---
   22 ← remainder

```


P₁₅₁ 877

$$877 \div 2 = 438 \text{ remainder } 1$$

$$\begin{array}{r} 438 \\ 2 \overline{) 877} \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$877 \div 3 = 292 \text{ remainder } 1$$

$$\begin{array}{r} 292 \\ 3 \overline{) 877} \\ \underline{6} \\ - \\ 27 \\ \underline{27} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$877 \div 5 = 175 \text{ remainder } 2$$

$$\begin{array}{r} 175 \\ 5 \overline{) 877} \\ \underline{5} \\ - \\ 37 \\ \underline{35} \\ - - \\ 27 \\ \underline{25} \\ - - \end{array}$$

--
2 ← remainder

$$877 \div 7 = 125 \text{ remainder } 2$$

125
7 | 877
7
-
17
14
--
37
35
--
2 ← remainder

$$877 \div 11 = 79 \text{ remainder } 8$$

79
11 | 877
77
--
107
99
--
8 ← remainder

$$877 \div 13 = 67 \text{ remainder } 6$$

67
13 | 877
78
--
97
91
--
6 ← remainder

$$877 \div 17 = 51 \text{ remainder } 10$$

51
17 | 877
85

```

--
27
17
--
10 ← remainder

```

$$877 \div 19 = 46 \text{ remainder } 3$$

```

46
19 | 877
   76
   --
   117
   114
   ---
    3 ← remainder

```

$$877 \div 23 = 38 \text{ remainder } 3$$

```

38
23 | 877
   69
   --
   187
   184
   ---
    3 ← remainder

```

$$877 \div 29 = 30 \text{ remainder } 7$$

```

30
29 | 877
   87
   --
    7
    0
    -
    7 ← remainder

```

P₁₅₂ 881

$$881 \div 2 = 440 \text{ remainder } 1$$

$$\begin{array}{r} 440 \\ 2 \mid 881 \\ \underline{8} \\ - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$881 \div 3 = 293 \text{ remainder } 2$$

$$\begin{array}{r} 293 \\ 3 \mid 881 \\ \underline{6} \\ - \\ 28 \\ \underline{27} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$881 \div 5 = 176 \text{ remainder } 1$$

$$\begin{array}{r} 176 \\ 5 \mid 881 \\ \underline{5} \\ - \\ 38 \\ \underline{35} \\ - \\ 31 \\ \underline{30} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

--
1 ← remainder

$$881 \div 7 = 125 \text{ remainder } 6$$

125
7 | 881
7
-
18
14
--
41
35
--
6 ← remainder

$$881 \div 11 = 80 \text{ remainder } 1$$

80
11 | 881
88
--
1
0
-
1 ← remainder

$$881 \div 13 = 67 \text{ remainder } 10$$

67
13 | 881
78
--
101
91
--
10 ← remainder

$$881 \div 17 = 51 \text{ remainder } 14$$

51
17 | 881
85

```

--
31
17
--
14 ← remainder

```

$$881 \div 19 = 46 \text{ remainder } 7$$

```

46
19 | 881
   76
   --
  121
  114
  ---
   7 ← remainder

```

$$881 \div 23 = 38 \text{ remainder } 7$$

```

38
23 | 881
   69
   --
  191
  184
  ---
   7 ← remainder

```

$$881 \div 29 = 30 \text{ remainder } 11$$

```

30
29 | 881
   87
   --
   11
   0
   -
  11 ← remainder

```

P₁₅₃ 883

$$883 \div 2 = 441 \text{ remainder } 1$$

$$\begin{array}{r} 441 \\ 2 \overline{) 883} \\ \underline{8} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$883 \div 3 = 294 \text{ remainder } 1$$

$$\begin{array}{r} 294 \\ 3 \overline{) 883} \\ \underline{6} \\ - \\ 28 \\ \underline{27} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$883 \div 5 = 176 \text{ remainder } 3$$

$$\begin{array}{r} 176 \\ 5 \overline{) 883} \\ \underline{5} \\ - \\ 38 \\ \underline{35} \\ - \\ 33 \\ \underline{30} \\ - \end{array}$$

--
3 ← remainder

$$883 \div 7 = 126 \text{ remainder } 1$$

126
7 | 883
7
-
18
14
--
43
42
--
1 ← remainder

$$883 \div 11 = 80 \text{ remainder } 3$$

80
11 | 883
88
--
3
0
-
3 ← remainder

$$883 \div 13 = 67 \text{ remainder } 12$$

67
13 | 883
78
--
103
91
--
12 ← remainder

$$883 \div 17 = 51 \text{ remainder } 16$$

51
17 | 883
85


```

--
33
17
--
16 ← remainder

```

$$883 \div 19 = 46 \text{ remainder } 9$$

```

46
19 | 883
   76
   --
   123
   114
   ---
   9 ← remainder

```

$$883 \div 23 = 38 \text{ remainder } 9$$

```

38
23 | 883
   69
   --
   193
   184
   ---
   9 ← remainder

```

$$883 \div 29 = 30 \text{ remainder } 13$$

```

30
29 | 883
   87
   --
   13
   0
   -
   13 ← remainder

```

P₁₅₄ 887

$$887 \div 2 = 443 \text{ remainder } 1$$

$$\begin{array}{r} 443 \\ 2 \overline{) 887} \\ \underline{8} \\ - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$887 \div 3 = 295 \text{ remainder } 2$$

$$\begin{array}{r} 295 \\ 3 \overline{) 887} \\ \underline{6} \\ - \\ 28 \\ \underline{27} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$887 \div 5 = 177 \text{ remainder } 2$$

$$\begin{array}{r} 177 \\ 5 \overline{) 887} \\ \underline{5} \\ - \\ 38 \\ \underline{35} \\ - \\ 37 \\ \underline{35} \\ - \end{array}$$

--
2 ← remainder

$$887 \div 7 = 126 \text{ remainder } 5$$

126
7 | 887
7
-
18
14
--
47
42
--
5 ← remainder

$$887 \div 11 = 80 \text{ remainder } 7$$

80
11 | 887
88
--
7
0
-
7 ← remainder

$$887 \div 13 = 68 \text{ remainder } 3$$

68
13 | 887
78
--
107
104

3 ← remainder

$$887 \div 17 = 52 \text{ remainder } 3$$

52
17 | 887
85

```

--
37
34
--
3 ← remainder

```

$$887 \div 19 = 46 \text{ remainder } 13$$

```

46
19 | 887
   76
   --
   127
   114
   ---
   13 ← remainder

```

$$887 \div 23 = 38 \text{ remainder } 13$$

```

38
23 | 887
   69
   --
   197
   184
   ---
   13 ← remainder

```

$$887 \div 29 = 30 \text{ remainder } 17$$

```

30
29 | 887
   87
   --
   17
   0
   -
   17 ← remainder

```

P₁₅₅ 907

$$907 \div 2 = 453 \text{ remainder } 1$$

$$\begin{array}{r} 453 \\ 2 \overline{) 907} \\ \underline{8} \\ 10 \\ \underline{10} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$907 \div 3 = 302 \text{ remainder } 1$$

$$\begin{array}{r} 302 \\ 3 \overline{) 907} \\ \underline{9} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$907 \div 5 = 181 \text{ remainder } 2$$

$$\begin{array}{r} 181 \\ 5 \overline{) 907} \\ \underline{5} \\ 40 \\ \underline{40} \\ 7 \\ \underline{5} \end{array}$$

-
2 ← remainder

$907 \div 7 = 129$ remainder 4

129
7 | 907
7
-
20
14
--
67
63
--
4 ← remainder

$907 \div 11 = 82$ remainder 5

82
11 | 907
88
--
27
22
--
5 ← remainder

$907 \div 13 = 69$ remainder 10

69
13 | 907
78
--
127
117

10 ← remainder

$907 \div 17 = 53$ remainder 6

53
17 | 907
85

```

--
57
51
--
6 ← remainder

```

$907 \div 19 = 47 \text{ remainder } 14$

```

47
19 | 907
   76
   --
   147
   133
   ---
   14 ← remainder

```

$907 \div 23 = 39 \text{ remainder } 10$

```

39
23 | 907
   69
   --
   217
   207
   ---
   10 ← remainder

```

$907 \div 29 = 31 \text{ remainder } 8$

```

31
29 | 907
   87
   --
   37
   29
   --
   8 ← remainder

```

P₁₅₆ 911

$$911 \div 2 = 455 \text{ remainder } 1$$

$$\begin{array}{r} 455 \\ 2 \mid 911 \\ \underline{8} \\ 11 \\ \underline{10} \\ 11 \\ \underline{10} \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$911 \div 3 = 303 \text{ remainder } 2$$

$$\begin{array}{r} 303 \\ 3 \mid 911 \\ \underline{9} \\ 11 \\ \underline{9} \\ 21 \\ \underline{21} \\ 011 \\ \underline{09} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$911 \div 5 = 182 \text{ remainder } 1$$

$$\begin{array}{r} 182 \\ 5 \mid 911 \\ \underline{5} \\ 41 \\ \underline{40} \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

--
1 ← remainder

$$911 \div 7 = 130 \text{ remainder } 1$$

130
7 | 911
7
-
21
21
--
1
0
-
1 ← remainder

$$911 \div 11 = 82 \text{ remainder } 9$$

82
11 | 911
88
--
31
22
--
9 ← remainder

$$911 \div 13 = 70 \text{ remainder } 1$$

70
13 | 911
91
--
1
0
-
1 ← remainder

$$911 \div 17 = 53 \text{ remainder } 10$$

53
17 | 911
85

```

--
61
51
--
10 ← remainder

```

$911 \div 19 = 47 \text{ remainder } 18$

```

47
19 | 911
   76
   --
   151
   133
   ---
   18 ← remainder

```

$911 \div 23 = 39 \text{ remainder } 14$

```

39
23 | 911
   69
   --
   221
   207
   ---
   14 ← remainder

```

$911 \div 29 = 31 \text{ remainder } 12$

```

31
29 | 911
   87
   --
   41
   29
   --
   12 ← remainder

```

P₁₅₇ 919

$$919 \div 2 = 459 \text{ remainder } 1$$

$$\begin{array}{r} 459 \\ 2 \mid 919 \\ \underline{8} \\ 11 \\ \underline{10} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$919 \div 3 = 306 \text{ remainder } 1$$

$$\begin{array}{r} 306 \\ 3 \mid 919 \\ \underline{9} \\ 1 \\ \underline{0} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$919 \div 5 = 183 \text{ remainder } 4$$

$$\begin{array}{r} 183 \\ 5 \mid 919 \\ \underline{5} \\ 41 \\ \underline{40} \\ 19 \\ \underline{15} \end{array}$$

--
4 ← remainder

$$919 \div 7 = 131 \text{ remainder } 2$$

131
7 | 919
7
-
21
21
--
9
7
-
2 ← remainder

$$919 \div 11 = 83 \text{ remainder } 6$$

83
11 | 919
88
--
39
33
--
6 ← remainder

$$919 \div 13 = 70 \text{ remainder } 9$$

70
13 | 919
91
--
9
0
-
9 ← remainder

$$919 \div 17 = 54 \text{ remainder } 1$$

54
17 | 919
85

```

--
69
68
--
1 ← remainder

```

$$919 \div 19 = 48 \text{ remainder } 7$$

```

      48
19 | 919
    76
    --
    159
    152
    ---
      7 ← remainder

```

$$919 \div 23 = 39 \text{ remainder } 22$$

```

      39
23 | 919
    69
    --
    229
    207
    ---
      22 ← remainder

```

$$919 \div 29 = 31 \text{ remainder } 20$$

```

      31
29 | 919
    87
    --
    49
    29
    --
      20 ← remainder

```

P₁₅₈ 929

$$929 \div 2 = 464 \text{ remainder } 1$$

$$\begin{array}{r} 464 \\ 2 \overline{) 929} \\ \underline{8} \\ 12 \\ \underline{12} \\ 9 \\ 8 \\ \underline{-} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$929 \div 3 = 309 \text{ remainder } 2$$

$$\begin{array}{r} 309 \\ 3 \overline{) 929} \\ \underline{9} \\ 2 \\ \underline{0} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$929 \div 5 = 185 \text{ remainder } 4$$

$$\begin{array}{r} 185 \\ 5 \overline{) 929} \\ \underline{5} \\ 42 \\ \underline{40} \\ 29 \\ \underline{25} \end{array}$$

--
4 ← remainder

$$929 \div 7 = 132 \text{ remainder } 5$$

132
7 | 929
7
-
22
21
-
19
14
-
5 ← remainder

$$929 \div 11 = 84 \text{ remainder } 5$$

84
11 | 929
88
-
49
44
-
5 ← remainder

$$929 \div 13 = 71 \text{ remainder } 6$$

71
13 | 929
91
-
19
13
-
6 ← remainder

$$929 \div 17 = 54 \text{ remainder } 11$$

54
17 | 929
85

```

--
79
68
--
11 ← remainder

```

$$929 \div 19 = 48 \text{ remainder } 17$$

```

48
19 | 929
   76
   --
   169
   152
   ---
   17 ← remainder

```

$$929 \div 23 = 40 \text{ remainder } 9$$

```

40
23 | 929
   92
   --
   9
   0
   -
   9 ← remainder

```

$$929 \div 29 = 32 \text{ remainder } 1$$

```

32
29 | 929
   87
   --
   59
   58
   --
   1 ← remainder

```


P₁₅₉ 937

$$937 \div 2 = 468 \text{ remainder } 1$$

$$\begin{array}{r} 468 \\ 2 \mid 937 \\ \underline{8} \\ 13 \\ \underline{12} \\ 17 \\ \underline{16} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$937 \div 3 = 312 \text{ remainder } 1$$

$$\begin{array}{r} 312 \\ 3 \mid 937 \\ \underline{9} \\ 3 \\ \underline{3} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$937 \div 5 = 187 \text{ remainder } 2$$

$$\begin{array}{r} 187 \\ 5 \mid 937 \\ \underline{5} \\ 43 \\ \underline{40} \\ 37 \\ \underline{35} \end{array}$$

--
2 ← remainder

$937 \div 7 = 133 \text{ remainder } 6$

133
7 | 937
7
-
23
21
--
27
21
--
6 ← remainder

$937 \div 11 = 85 \text{ remainder } 2$

85
11 | 937
88
--
57
55
--
2 ← remainder

$937 \div 13 = 72 \text{ remainder } 1$

72
13 | 937
91
--
27
26
--
1 ← remainder

$937 \div 17 = 55 \text{ remainder } 2$

55
17 | 937
85

```

--
87
85
--
2 ← remainder

```

$$937 \div 19 = 49 \text{ remainder } 6$$

```

49
19 | 937
   76
   --
   177
   171
   ---
   6 ← remainder

```

$$937 \div 23 = 40 \text{ remainder } 17$$

```

40
23 | 937
   92
   --
   17
   0
   -
   17 ← remainder

```

$$937 \div 29 = 32 \text{ remainder } 9$$

```

32
29 | 937
   87
   --
   67
   58
   --
   9 ← remainder

```

P₁₆₀ 941

$$941 \div 2 = 470 \text{ remainder } 1$$

$$\begin{array}{r} 470 \\ 2 \mid 941 \\ \underline{8} \\ 14 \\ \underline{14} \\ 0 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$941 \div 3 = 313 \text{ remainder } 2$$

$$\begin{array}{r} 313 \\ 3 \mid 941 \\ \underline{9} \\ 4 \\ \underline{3} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$941 \div 5 = 188 \text{ remainder } 1$$

$$\begin{array}{r} 188 \\ 5 \mid 941 \\ \underline{5} \\ 44 \\ \underline{40} \\ 41 \\ \underline{40} \\ 1 \end{array}$$

--
1 ← remainder

$$941 \div 7 = 134 \text{ remainder } 3$$

134
7 | 941
7
-
24
21
--
31
28
--
3 ← remainder

$$941 \div 11 = 85 \text{ remainder } 6$$

85
11 | 941
88
--
61
55
--
6 ← remainder

$$941 \div 13 = 72 \text{ remainder } 5$$

72
13 | 941
91
--
31
26
--
5 ← remainder

$$941 \div 17 = 55 \text{ remainder } 6$$

55
17 | 941
85

```

--
91
85
--
6 ← remainder

```

$$941 \div 19 = 49 \text{ remainder } 10$$

```

49
19 | 941
   76
   --
   181
   171
   ---
   10 ← remainder

```

$$941 \div 23 = 40 \text{ remainder } 21$$

```

40
23 | 941
   92
   --
   21
   0
   -
   21 ← remainder

```

$$941 \div 29 = 32 \text{ remainder } 13$$

```

32
29 | 941
   87
   --
   71
   58
   --
   13 ← remainder

```

P₁₆₁ 947

$$947 \div 2 = 473 \text{ remainder } 1$$

$$\begin{array}{r} 473 \\ 2 \mid 947 \\ \underline{8} \\ - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$947 \div 3 = 315 \text{ remainder } 2$$

$$\begin{array}{r} 315 \\ 3 \mid 947 \\ \underline{9} \\ - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$947 \div 5 = 189 \text{ remainder } 2$$

$$\begin{array}{r} 189 \\ 5 \mid 947 \\ \underline{5} \\ - \\ 44 \\ \underline{40} \\ - - \\ 47 \\ \underline{45} \\ - \end{array}$$

--
2 ← remainder

$$947 \div 7 = 135 \text{ remainder } 2$$

135
7 | 947
7
-
24
21
--
37
35
--
2 ← remainder

$$947 \div 11 = 86 \text{ remainder } 1$$

86
11 | 947
88
--
67
66
--
1 ← remainder

$$947 \div 13 = 72 \text{ remainder } 11$$

72
13 | 947
91
--
37
26
--
11 ← remainder

$$947 \div 17 = 55 \text{ remainder } 12$$

55
17 | 947
85


```

--
97
85
--
12 ← remainder

```

$$947 \div 19 = 49 \text{ remainder } 16$$

```

49
19 | 947
   76
   --
   187
   171
   ---
   16 ← remainder

```

$$947 \div 23 = 41 \text{ remainder } 4$$

```

41
23 | 947
   92
   --
   27
   23
   --
   4 ← remainder

```

$$947 \div 29 = 32 \text{ remainder } 19$$

```

32
29 | 947
   87
   --
   77
   58
   --
   19 ← remainder

```

P₁₆₂ 953

$$953 \div 2 = 476 \text{ remainder } 1$$

$$\begin{array}{r} 476 \\ 2 \mid 953 \\ \underline{8} \\ 15 \\ \underline{14} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$953 \div 3 = 317 \text{ remainder } 2$$

$$\begin{array}{r} 317 \\ 3 \mid 953 \\ \underline{9} \\ 5 \\ \underline{3} \\ 23 \\ \underline{21} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$953 \div 5 = 190 \text{ remainder } 3$$

$$\begin{array}{r} 190 \\ 5 \mid 953 \\ \underline{5} \\ 45 \\ \underline{45} \\ 3 \\ \underline{0} \end{array}$$

-
3 ← remainder

$$953 \div 7 = 136 \text{ remainder } 1$$

136
7 | 953
7
-
25
21
--
43
42
--
1 ← remainder

$$953 \div 11 = 86 \text{ remainder } 7$$

86
11 | 953
88
--
73
66
--
7 ← remainder

$$953 \div 13 = 73 \text{ remainder } 4$$

73
13 | 953
91
--
43
39
--
4 ← remainder

$$953 \div 17 = 56 \text{ remainder } 1$$

56
17 | 953
85

```

--
103
102
---
1 ← remainder

```

$$953 \div 19 = 50 \text{ remainder } 3$$

```

50
19 | 953
   95
   --
   3
   0
   -
   3 ← remainder

```

$$953 \div 23 = 41 \text{ remainder } 10$$

```

41
23 | 953
   92
   --
   33
   23
   --
   10 ← remainder

```

$$953 \div 29 = 32 \text{ remainder } 25$$

```

32
29 | 953
   87
   --
   83
   58
   --
   25 ← remainder

```

P₁₆₃ 967

$$967 \div 2 = 483 \text{ remainder } 1$$

$$\begin{array}{r} 483 \\ 2 \mid 967 \\ \underline{8} \\ - \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$967 \div 3 = 322 \text{ remainder } 1$$

$$\begin{array}{r} 322 \\ 3 \mid 967 \\ \underline{9} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$967 \div 5 = 193 \text{ remainder } 2$$

$$\begin{array}{r} 193 \\ 5 \mid 967 \\ \underline{5} \\ - \\ 46 \\ \underline{45} \\ -- \\ 17 \\ \underline{15} \end{array}$$

--
2 ← remainder

$$967 \div 7 = 138 \text{ remainder } 1$$

138
7 | 967
7
-
26
21
--
57
56
--
1 ← remainder

$$967 \div 11 = 87 \text{ remainder } 10$$

87
11 | 967
88
--
87
77
--
10 ← remainder

$$967 \div 13 = 74 \text{ remainder } 5$$

74
13 | 967
91
--
57
52
--
5 ← remainder

$$967 \div 17 = 56 \text{ remainder } 15$$

56
17 | 967
85

```

--
117
102
---
15 ← remainder

```

$$967 \div 19 = 50 \text{ remainder } 17$$

```

50
19 | 967
   95
   --
   17
   0
   -
   17 ← remainder

```

$$967 \div 23 = 42 \text{ remainder } 1$$

```

42
23 | 967
   92
   --
   47
   46
   --
   1 ← remainder

```

$$967 \div 29 = 33 \text{ remainder } 10$$

```

33
29 | 967
   87
   --
   97
   87
   --
   10 ← remainder

```

$$967 \div 31 = 31 \text{ remainder } 6$$

```

31
31 | 967
   93

```

--
37
31
--
6 ← remainder

P₁₆₄ 971

$$971 \div 2 = 485 \text{ remainder } 1$$

$$\begin{array}{r} 485 \\ 2 \mid 971 \\ \underline{8} \\ 17 \\ \underline{16} \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$971 \div 3 = 323 \text{ remainder } 2$$

$$\begin{array}{r} 323 \\ 3 \mid 971 \\ \underline{9} \\ 7 \\ \underline{6} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$971 \div 5 = 194 \text{ remainder } 1$$

$$\begin{array}{r} 194 \\ 5 \mid 971 \\ \underline{5} \\ 47 \\ \underline{45} \\ 21 \\ \underline{20} \end{array}$$

--
1 ← remainder

$$971 \div 7 = 138 \text{ remainder } 5$$

138
7 | 971
7
-
27
21
-
61
56
-
5 ← remainder

$$971 \div 11 = 88 \text{ remainder } 3$$

88
11 | 971
88
-
91
88
-
3 ← remainder

$$971 \div 13 = 74 \text{ remainder } 9$$

74
13 | 971
91
-
61
52
-
9 ← remainder

$$971 \div 17 = 57 \text{ remainder } 2$$

57
17 | 971
85

```

--
121
119
---
2 ← remainder

```

$$971 \div 19 = 51 \text{ remainder } 2$$

```

51
19 | 971
   95
   --
   21
   19
   --
   2 ← remainder

```

$$971 \div 23 = 42 \text{ remainder } 5$$

```

42
23 | 971
   92
   --
   51
   46
   --
   5 ← remainder

```

$$971 \div 29 = 33 \text{ remainder } 14$$

```

33
29 | 971
   87
   --
  101
   87
   --
  14 ← remainder

```

$$971 \div 31 = 31 \text{ remainder } 10$$

```

31
31 | 971
   93

```

```
--  
41  
31  
--  
10 ← remainder
```

P₁₆₅ 977

$$977 \div 2 = 488 \text{ remainder } 1$$

$$\begin{array}{r} 488 \\ 2 \mid 977 \\ \underline{8} \\ 17 \\ \underline{16} \\ 17 \\ \underline{16} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$977 \div 3 = 325 \text{ remainder } 2$$

$$\begin{array}{r} 325 \\ 3 \mid 977 \\ \underline{9} \\ 7 \\ \underline{6} \\ 17 \\ \underline{15} \\ 2 \\ 2 \leftarrow \text{remainder} \end{array}$$

$$977 \div 5 = 195 \text{ remainder } 2$$

$$\begin{array}{r} 195 \\ 5 \mid 977 \\ \underline{5} \\ 47 \\ \underline{45} \\ 27 \\ \underline{25} \end{array}$$

--
2 ← remainder

$$977 \div 7 = 139 \text{ remainder } 4$$

139
7 | 977
7
-
27
21
-
67
63
-
4 ← remainder

$$977 \div 11 = 88 \text{ remainder } 9$$

88
11 | 977
88
-
97
88
-
9 ← remainder

$$977 \div 13 = 75 \text{ remainder } 2$$

75
13 | 977
91
-
67
65
-
2 ← remainder

$$977 \div 17 = 57 \text{ remainder } 8$$

57
17 | 977
85

```

--
127
119
---
8 ← remainder

```

$$977 \div 19 = 51 \text{ remainder } 8$$

```

51
19 | 977
   95
   --
   27
   19
   --
   8 ← remainder

```

$$977 \div 23 = 42 \text{ remainder } 11$$

```

42
23 | 977
   92
   --
   57
   46
   --
   11 ← remainder

```

$$977 \div 29 = 33 \text{ remainder } 20$$

```

33
29 | 977
   87
   --
  107
   87
   --
   20 ← remainder

```

$$977 \div 31 = 31 \text{ remainder } 16$$

```

31
31 | 977
   93

```

```
--  
47  
31  
--  
16 ← remainder
```


P₁₆₆ 983

$$983 \div 2 = 491 \text{ remainder } 1$$

$$\begin{array}{r} 491 \\ 2 \overline{) 983} \\ \underline{8} \\ 18 \\ \underline{18} \\ 0 \\ 3 \\ \underline{2} \\ 1 \\ \underline{1} \\ 0 \end{array}$$

1 ← remainder

$$983 \div 3 = 327 \text{ remainder } 2$$

$$\begin{array}{r} 327 \\ 3 \overline{) 983} \\ \underline{9} \\ 8 \\ \underline{6} \\ 23 \\ \underline{21} \\ 2 \\ \underline{2} \\ 0 \end{array}$$

2 ← remainder

$$983 \div 5 = 196 \text{ remainder } 3$$

$$\begin{array}{r} 196 \\ 5 \overline{) 983} \\ \underline{5} \\ 48 \\ \underline{45} \\ 33 \\ \underline{30} \\ 3 \end{array}$$

--
3 ← remainder

$$983 \div 7 = 140 \text{ remainder } 3$$

140
7 | 983
7
-
28
28
--
3
0
-
3 ← remainder

$$983 \div 11 = 89 \text{ remainder } 4$$

89
11 | 983
88
--
103
99
--
4 ← remainder

$$983 \div 13 = 75 \text{ remainder } 8$$

75
13 | 983
91
--
73
65
--
8 ← remainder

$$983 \div 17 = 57 \text{ remainder } 14$$

57
17 | 983
85

```

--
133
119
---
14 ← remainder

```

$$983 \div 19 = 51 \text{ remainder } 14$$

```

51
19 | 983
   95
   --
   33
   19
   --
   14 ← remainder

```

$$983 \div 23 = 42 \text{ remainder } 17$$

```

42
23 | 983
   92
   --
   63
   46
   --
   17 ← remainder

```

$$983 \div 29 = 33 \text{ remainder } 26$$

```

33
29 | 983
   87
   --
  113
   87
   --
   26 ← remainder

```

$$983 \div 31 = 31 \text{ remainder } 22$$

```

31
31 | 983
   93

```

```
--  
53  
31  
--  
22 ← remainder
```

P₁₆₇ 991

$$991 \div 2 = 495 \text{ remainder } 1$$

$$\begin{array}{r} 495 \\ 2 \mid 991 \\ \underline{8} \\ 19 \\ \underline{18} \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$991 \div 3 = 330 \text{ remainder } 1$$

$$\begin{array}{r} 330 \\ 3 \mid 991 \\ \underline{9} \\ 9 \\ \underline{9} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$991 \div 5 = 198 \text{ remainder } 1$$

$$\begin{array}{r} 198 \\ 5 \mid 991 \\ \underline{5} \\ 49 \\ \underline{45} \\ 41 \\ \underline{40} \\ 1 \leftarrow \text{remainder} \end{array}$$

--
1 ← remainder

$991 \div 7 = 141 \text{ remainder } 4$

141
7 | 991
7
-
29
28
--
11
7
-
4 ← remainder

$991 \div 11 = 90 \text{ remainder } 1$

90
11 | 991
99
--
1
0
-
1 ← remainder

$991 \div 13 = 76 \text{ remainder } 3$

76
13 | 991
91
--
81
78
--
3 ← remainder

$991 \div 17 = 58 \text{ remainder } 5$

58
17 | 991
85

```

--
141
136
---
5 ← remainder

```

$$991 \div 19 = 52 \text{ remainder } 3$$

```

52
19 | 991
   95
   --
   41
   38
   --
   3 ← remainder

```

$$991 \div 23 = 43 \text{ remainder } 2$$

```

43
23 | 991
   92
   --
   71
   69
   --
   2 ← remainder

```

$$991 \div 29 = 34 \text{ remainder } 5$$

```

34
29 | 991
   87
   --
  121
  116
  ---
   5 ← remainder

```

$$991 \div 31 = 31 \text{ remainder } 30$$

```

31
31 | 991
   93

```

```
--  
61  
31  
--  
30 ← remainder
```


P₁₆₈ 997

$$997 \div 2 = 498 \text{ remainder } 1$$

$$\begin{array}{r} 498 \\ 2 \mid 997 \\ 8 \\ - \\ 19 \\ 18 \\ - - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$997 \div 3 = 332 \text{ remainder } 1$$

$$\begin{array}{r} 332 \\ 3 \mid 997 \\ 9 \\ - \\ 9 \\ 9 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$997 \div 5 = 199 \text{ remainder } 2$$

$$\begin{array}{r} 199 \\ 5 \mid 997 \\ 5 \\ - \\ 49 \\ 45 \\ - - \\ 47 \\ 45 \end{array}$$

--
2 ← remainder

$997 \div 7 = 142 \text{ remainder } 3$

142
7 | 997
7
-
29
28
--
17
14
--
3 ← remainder

$997 \div 11 = 90 \text{ remainder } 7$

90
11 | 997
99
--
7
0
-
7 ← remainder

$997 \div 13 = 76 \text{ remainder } 9$

76
13 | 997
91
--
87
78
--
9 ← remainder

$997 \div 17 = 58 \text{ remainder } 11$

58
17 | 997
85

```

--
147
136
---
11 ← remainder

```

$$997 \div 19 = 52 \text{ remainder } 9$$

```

52
19 | 997
   95
   --
   47
   38
   --
   9 ← remainder

```

$$997 \div 23 = 43 \text{ remainder } 8$$

```

43
23 | 997
   92
   --
   77
   69
   --
   8 ← remainder

```

$$997 \div 29 = 34 \text{ remainder } 11$$

```

34
29 | 997
   87
   --
  127
  116
  ---
  11 ← remainder

```

$$997 \div 31 = 32 \text{ remainder } 5$$

```

32
31 | 997
   93

```

--

67

62

--

5 ← remainder

P₁₆₉ 1009

$$1009 \div 2 = 504 \text{ remainder } 1$$

$$\begin{array}{r} 504 \\ 2 \mid 1009 \\ \underline{10} \\ 0 \\ 0 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1009 \div 3 = 336 \text{ remainder } 1$$

$$\begin{array}{r} 336 \\ 3 \mid 1009 \\ \underline{9} \\ - \\ 10 \\ 9 \\ - \\ 19 \\ 18 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1009 \div 5 = 201 \text{ remainder } 4$$

$$\begin{array}{r} 201 \\ 5 \mid 1009 \\ \underline{10} \\ - \\ 0 \\ 0 \\ - \\ 9 \\ 5 \end{array}$$

-
4 ← remainder

$$1009 \div 7 = 144 \text{ remainder } 1$$

144
7 | 1009
7
-
30
28
--
29
28
--
1 ← remainder

$$1009 \div 11 = 91 \text{ remainder } 8$$

91
11 | 1009
99
--
19
11
--
8 ← remainder

$$1009 \div 13 = 77 \text{ remainder } 8$$

77
13 | 1009
91
--
99
91
--
8 ← remainder

$$1009 \div 17 = 59 \text{ remainder } 6$$

59
17 | 1009
85

```

--
159
153
---
6 ← remainder

```

$$1009 \div 19 = 53 \text{ remainder } 2$$

```

  53
19 | 1009
   95
   --
   59
   57
   --
   2 ← remainder

```

$$1009 \div 23 = 43 \text{ remainder } 20$$

```

  43
23 | 1009
   92
   --
   89
   69
   --
   20 ← remainder

```

$$1009 \div 29 = 34 \text{ remainder } 23$$

```

  34
29 | 1009
   87
   --
  139
  116
  ---
  23 ← remainder

```

$$1009 \div 31 = 32 \text{ remainder } 17$$

```

  32
31 | 1009
   93

```

--
79
62
--
17 ← remainder

P₁₇₀ 1013

$$1013 \div 2 = 506 \text{ remainder } 1$$

$$\begin{array}{r} 506 \\ 2 \mid 1013 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1013 \div 3 = 337 \text{ remainder } 2$$

$$\begin{array}{r} 337 \\ 3 \mid 1013 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1013 \div 5 = 202 \text{ remainder } 3$$

$$\begin{array}{r} 202 \\ 5 \mid 1013 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{10} \end{array}$$

--
3 ← remainder

$1013 \div 7 = 144$ remainder 5

144
7 | 1013
7
-
31
28
--
33
28
--
5 ← remainder

$1013 \div 11 = 92$ remainder 1

92
11 | 1013
99
--
23
22
--
1 ← remainder

$1013 \div 13 = 77$ remainder 12

77
13 | 1013
91
--
103
91
--
12 ← remainder

$1013 \div 17 = 59$ remainder 10

59
17 | 1013
85

```

--
163
153
---
10 ← remainder

```

$$1013 \div 19 = 53 \text{ remainder } 6$$

```

    53
19 | 1013
    95
    --
    63
    57
    --
    6 ← remainder

```

$$1013 \div 23 = 44 \text{ remainder } 1$$

```

    44
23 | 1013
    92
    --
    93
    92
    --
    1 ← remainder

```

$$1013 \div 29 = 34 \text{ remainder } 27$$

```

    34
29 | 1013
    87
    --
    143
    116
    ---
    27 ← remainder

```

$$1013 \div 31 = 32 \text{ remainder } 21$$

```

    32
31 | 1013
    93

```

```
--  
83  
62  
--  
21 ← remainder
```

P₁₇₁ 1019

$$1019 \div 2 = 509 \text{ remainder } 1$$

$$\begin{array}{r} 509 \\ 2 \mid 1019 \\ \underline{10} \\ -- \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1019 \div 3 = 339 \text{ remainder } 2$$

$$\begin{array}{r} 339 \\ 3 \mid 1019 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1019 \div 5 = 203 \text{ remainder } 4$$

$$\begin{array}{r} 203 \\ 5 \mid 1019 \\ \underline{10} \\ -- \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{15} \end{array}$$

--
4 ← remainder

$$1019 \div 7 = 145 \text{ remainder } 4$$

145
7 | 1019
7
-
31
28
--
39
35
--
4 ← remainder

$$1019 \div 11 = 92 \text{ remainder } 7$$

92
11 | 1019
99
--
29
22
--
7 ← remainder

$$1019 \div 13 = 78 \text{ remainder } 5$$

78
13 | 1019
91
--
109
104

5 ← remainder

$$1019 \div 17 = 59 \text{ remainder } 16$$

59
17 | 1019
85

```

--
169
153
---
16 ← remainder

```

$$1019 \div 19 = 53 \text{ remainder } 12$$

```

  53
19 | 1019
   95
   --
   69
   57
   --
   12 ← remainder

```

$$1019 \div 23 = 44 \text{ remainder } 7$$

```

  44
23 | 1019
   92
   --
   99
   92
   --
    7 ← remainder

```

$$1019 \div 29 = 35 \text{ remainder } 4$$

```

  35
29 | 1019
   87
   --
  149
  145
  ---
   4 ← remainder

```

$$1019 \div 31 = 32 \text{ remainder } 27$$

```

  32
31 | 1019
   93

```

--
89
62
--
27 ← remainder

P₁₇₂ 1021

$$1021 \div 2 = 510 \text{ remainder } 1$$

$$\begin{array}{r} 510 \\ 2 \mid 1021 \\ \underline{10} \\ - - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1021 \div 3 = 340 \text{ remainder } 1$$

$$\begin{array}{r} 340 \\ 3 \mid 1021 \\ \underline{9} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1021 \div 5 = 204 \text{ remainder } 1$$

$$\begin{array}{r} 204 \\ 5 \mid 1021 \\ \underline{10} \\ - - \\ 2 \\ \underline{0} \\ - \\ 21 \\ \underline{20} \end{array}$$

--
1 ← remainder

$$1021 \div 7 = 145 \text{ remainder } 6$$

145
7 | 1021
7
-
32
28
--
41
35
--
6 ← remainder

$$1021 \div 11 = 92 \text{ remainder } 9$$

92
11 | 1021
99
--
31
22
--
9 ← remainder

$$1021 \div 13 = 78 \text{ remainder } 7$$

78
13 | 1021
91
--
111
104

7 ← remainder

$$1021 \div 17 = 60 \text{ remainder } 1$$

60
17 | 1021
102

```

  ---
  1
  0
  -
  1 ← remainder

```

$$1021 \div 19 = 53 \text{ remainder } 14$$

```

    53
19 | 1021
    95
    --
    71
    57
    --
    14 ← remainder

```

$$1021 \div 23 = 44 \text{ remainder } 9$$

```

    44
23 | 1021
    92
    --
    101
    92
    --
    9 ← remainder

```

$$1021 \div 29 = 35 \text{ remainder } 6$$

```

    35
29 | 1021
    87
    --
    151
    145
    ---
    6 ← remainder

```

$$1021 \div 31 = 32 \text{ remainder } 29$$

```

    32
31 | 1021
    93

```

```
--  
91  
62  
--  
29 ← remainder
```

P₁₇₃ 1031

$$1031 \div 2 = 515 \text{ remainder } 1$$

$$\begin{array}{r} 515 \\ 2 \mid 1031 \\ \underline{10} \\ 3 \\ \underline{2} \\ 1 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1031 \div 3 = 343 \text{ remainder } 2$$

$$\begin{array}{r} 343 \\ 3 \mid 1031 \\ \underline{9} \\ 13 \\ \underline{12} \\ 1 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1031 \div 5 = 206 \text{ remainder } 1$$

$$\begin{array}{r} 206 \\ 5 \mid 1031 \\ \underline{10} \\ 3 \\ \underline{0} \\ 31 \\ \underline{30} \\ 1 \end{array}$$

--
1 ← remainder

$$1031 \div 7 = 147 \text{ remainder } 2$$

147
7 | 1031
7
-
33
28
-
51
49
-
2 ← remainder

$$1031 \div 11 = 93 \text{ remainder } 8$$

93
11 | 1031
99
-
41
33
-
8 ← remainder

$$1031 \div 13 = 79 \text{ remainder } 4$$

79
13 | 1031
91
-
121
117
-
4 ← remainder

$$1031 \div 17 = 60 \text{ remainder } 11$$

60
17 | 1031
102

11

0

-

11 ← remainder

$$1031 \div 19 = 54 \text{ remainder } 5$$

54

19 | 1031

95

--

81

76

--

5 ← remainder

$$1031 \div 23 = 44 \text{ remainder } 19$$

44

23 | 1031

92

--

111

92

--

19 ← remainder

$$1031 \div 29 = 35 \text{ remainder } 16$$

35

29 | 1031

87

--

161

145

16 ← remainder

$$1031 \div 31 = 33 \text{ remainder } 8$$

33

31 | 1031

93

--
101
93
--
8 ← remainder

P₁₇₄ 1033

$$1033 \div 2 = 516 \text{ remainder } 1$$

$$\begin{array}{r} 516 \\ 2 \mid 1033 \\ \underline{10} \\ -- \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1033 \div 3 = 344 \text{ remainder } 1$$

$$\begin{array}{r} 344 \\ 3 \mid 1033 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1033 \div 5 = 206 \text{ remainder } 3$$

$$\begin{array}{r} 206 \\ 5 \mid 1033 \\ \underline{10} \\ -- \\ 3 \\ \underline{0} \\ - \\ 33 \\ \underline{30} \end{array}$$

--
3 ← remainder

$1033 \div 7 = 147$ remainder 4

147
7 | 1033
7
-
33
28
-
53
49
-
4 ← remainder

$1033 \div 11 = 93$ remainder 10

93
11 | 1033
99
-
43
33
-
10 ← remainder

$1033 \div 13 = 79$ remainder 6

79
13 | 1033
91
-
123
117
-
6 ← remainder

$1033 \div 17 = 60$ remainder 13

60
17 | 1033
102

```

---
13
0
-
13 ← remainder

```

$$1033 \div 19 = 54 \text{ remainder } 7$$

```

      54
19 | 1033
    95
    --
    83
    76
    --
    7 ← remainder

```

$$1033 \div 23 = 44 \text{ remainder } 21$$

```

      44
23 | 1033
    92
    --
    113
    92
    --
    21 ← remainder

```

$$1033 \div 29 = 35 \text{ remainder } 18$$

```

      35
29 | 1033
    87
    --
    163
    145
    ---
    18 ← remainder

```

$$1033 \div 31 = 33 \text{ remainder } 10$$

```

      33
31 | 1033
    93

```

```
--  
103  
93  
--  
10 ← remainder
```

P₁₇₅ 1039

$$1039 \div 2 = 519 \text{ remainder } 1$$

$$\begin{array}{r} 519 \\ 2 \mid 1039 \\ 10 \\ -- \\ 3 \\ 2 \\ - \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1039 \div 3 = 346 \text{ remainder } 1$$

$$\begin{array}{r} 346 \\ 3 \mid 1039 \\ 9 \\ - \\ 13 \\ 12 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1039 \div 5 = 207 \text{ remainder } 4$$

$$\begin{array}{r} 207 \\ 5 \mid 1039 \\ 10 \\ -- \\ 3 \\ 0 \\ - \\ 39 \\ 35 \end{array}$$

--
4 ← remainder

$$1039 \div 7 = 148 \text{ remainder } 3$$

148
7 | 1039
7
-
33
28
-
59
56
-
3 ← remainder

$$1039 \div 11 = 94 \text{ remainder } 5$$

94
11 | 1039
99
-
49
44
-
5 ← remainder

$$1039 \div 13 = 79 \text{ remainder } 12$$

79
13 | 1039
91
-
129
117
-
12 ← remainder

$$1039 \div 17 = 61 \text{ remainder } 2$$

61
17 | 1039
102

19
17
--

2 ← remainder

$$1039 \div 19 = 54 \text{ remainder } 13$$

54
19 | 1039
95
--
89
76
--

13 ← remainder

$$1039 \div 23 = 45 \text{ remainder } 4$$

45
23 | 1039
92
--
119
115

4 ← remainder

$$1039 \div 29 = 35 \text{ remainder } 24$$

35
29 | 1039
87
--
169
145

24 ← remainder

$$1039 \div 31 = 33 \text{ remainder } 16$$

33
31 | 1039
93

```
--  
109  
93  
--  
16 ← remainder
```


P₁₇₆ 1049

$$1049 \div 2 = 524 \text{ remainder } 1$$

$$\begin{array}{r} 524 \\ 2 \mid 1049 \\ \underline{10} \\ 4 \\ \underline{4} \\ 9 \\ \underline{8} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1049 \div 3 = 349 \text{ remainder } 2$$

$$\begin{array}{r} 349 \\ 3 \mid 1049 \\ \underline{9} \\ 14 \\ \underline{12} \\ 29 \\ \underline{27} \\ 2 \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1049 \div 5 = 209 \text{ remainder } 4$$

$$\begin{array}{r} 209 \\ 5 \mid 1049 \\ \underline{10} \\ 4 \\ \underline{0} \\ 49 \\ \underline{45} \\ 4 \end{array}$$

--
4 ← remainder

$$1049 \div 7 = 149 \text{ remainder } 6$$

149
7 | 1049
7
-
34
28
--
69
63
--
6 ← remainder

$$1049 \div 11 = 95 \text{ remainder } 4$$

95
11 | 1049
99
--
59
55
--
4 ← remainder

$$1049 \div 13 = 80 \text{ remainder } 9$$

80
13 | 1049
104

9
0
-
9 ← remainder

$$1049 \div 17 = 61 \text{ remainder } 12$$

61
17 | 1049
102

```

  ---
  29
  17
  --
  12 ← remainder

```

$$1049 \div 19 = 55 \text{ remainder } 4$$

```

    55
  19 | 1049
    95
    --
    99
    95
    --
    4 ← remainder

```

$$1049 \div 23 = 45 \text{ remainder } 14$$

```

    45
  23 | 1049
    92
    --
   129
   115
   ---
   14 ← remainder

```

$$1049 \div 29 = 36 \text{ remainder } 5$$

```

    36
  29 | 1049
    87
    --
   179
   174
   ---
    5 ← remainder

```

$$1049 \div 31 = 33 \text{ remainder } 26$$

```

    33
  31 | 1049
    93

```

--
119
93
--
26 ← remainder

P₁₇₇ 1051

$$1051 \div 2 = 525 \text{ remainder } 1$$

$$\begin{array}{r} 525 \\ 2 \mid 1051 \\ \underline{10} \\ 11 \\ \underline{10} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1051 \div 3 = 350 \text{ remainder } 1$$

$$\begin{array}{r} 350 \\ 3 \mid 1051 \\ \underline{9} \\ 15 \\ \underline{15} \\ 1 \\ 0 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1051 \div 5 = 210 \text{ remainder } 1$$

$$\begin{array}{r} 210 \\ 5 \mid 1051 \\ \underline{10} \\ 5 \\ \underline{5} \\ 1 \\ 0 \end{array}$$

-
1 ← remainder

$1051 \div 7 = 150$ remainder 1

150
7 | 1051
7

-
35
35

--
1
0

-
1 ← remainder

$1051 \div 11 = 95$ remainder 6

95
11 | 1051
99

--
61
55

--
6 ← remainder

$1051 \div 13 = 80$ remainder 11

80
13 | 1051
104

11
0

-
11 ← remainder

$1051 \div 17 = 61$ remainder 14

61
17 | 1051
102

31

17

--

14 ← remainder

$$1051 \div 19 = 55 \text{ remainder } 6$$

55

19 | 1051

95

--

101

95

--

6 ← remainder

$$1051 \div 23 = 45 \text{ remainder } 16$$

45

23 | 1051

92

--

131

115

16 ← remainder

$$1051 \div 29 = 36 \text{ remainder } 7$$

36

29 | 1051

87

--

181

174

7 ← remainder

$$1051 \div 31 = 33 \text{ remainder } 28$$

33

31 | 1051

93

--
121
93
--
28 ← remainder

P₁₇₈ 1061

$$1061 \div 2 = 530 \text{ remainder } 1$$

$$\begin{array}{r} 530 \\ 2 \mid 1061 \\ \underline{10} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1061 \div 3 = 353 \text{ remainder } 2$$

$$\begin{array}{r} 353 \\ 3 \mid 1061 \\ \underline{9} \\ - \\ 16 \\ \underline{15} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1061 \div 5 = 212 \text{ remainder } 1$$

$$\begin{array}{r} 212 \\ 5 \mid 1061 \\ \underline{10} \\ - - \\ 6 \\ \underline{5} \\ - \\ 11 \\ \underline{10} \end{array}$$

--
1 ← remainder

$$1061 \div 7 = 151 \text{ remainder } 4$$

151
7 | 1061
7
-
36
35
--
11
7
-
4 ← remainder

$$1061 \div 11 = 96 \text{ remainder } 5$$

96
11 | 1061
99
--
71
66
--
5 ← remainder

$$1061 \div 13 = 81 \text{ remainder } 8$$

81
13 | 1061
104

21
13
--
8 ← remainder

$$1061 \div 17 = 62 \text{ remainder } 7$$

62
17 | 1061
102

```

---
41
34
--
7 ← remainder

```

$$1061 \div 19 = 55 \text{ remainder } 16$$

```

55
19 | 1061
   95
   --
   111
   95
   --
   16 ← remainder

```

$$1061 \div 23 = 46 \text{ remainder } 3$$

```

46
23 | 1061
   92
   --
   141
   138
   ---
   3 ← remainder

```

$$1061 \div 29 = 36 \text{ remainder } 17$$

```

36
29 | 1061
   87
   --
   191
   174
   ---
   17 ← remainder

```

$$1061 \div 31 = 34 \text{ remainder } 7$$

```

34
31 | 1061
   93

```

--
131
124

7 ← remainder

P₁₇₉ 1063

$$1063 \div 2 = 531 \text{ remainder } 1$$

$$\begin{array}{r} 531 \\ 2 \mid 1063 \\ \underline{10} \\ -- \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1063 \div 3 = 354 \text{ remainder } 1$$

$$\begin{array}{r} 354 \\ 3 \mid 1063 \\ \underline{9} \\ - \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1063 \div 5 = 212 \text{ remainder } 3$$

$$\begin{array}{r} 212 \\ 5 \mid 1063 \\ \underline{10} \\ -- \\ 6 \\ \underline{5} \\ - \\ 13 \\ \underline{10} \end{array}$$

--
3 ← remainder

$$1063 \div 7 = 151 \text{ remainder } 6$$

151
7 | 1063
7
-
36
35
--
13
7
-
6 ← remainder

$$1063 \div 11 = 96 \text{ remainder } 7$$

96
11 | 1063
99
--
73
66
--
7 ← remainder

$$1063 \div 13 = 81 \text{ remainder } 10$$

81
13 | 1063
104

23
13
--
10 ← remainder

$$1063 \div 17 = 62 \text{ remainder } 9$$

62
17 | 1063
102

```

  ---
  43
  34
  --
  9 ← remainder

```

$$1063 \div 19 = 55 \text{ remainder } 18$$

```

      55
19 | 1063
    95
    --
    113
    95
    --
    18 ← remainder

```

$$1063 \div 23 = 46 \text{ remainder } 5$$

```

      46
23 | 1063
    92
    --
    143
    138
    ---
    5 ← remainder

```

$$1063 \div 29 = 36 \text{ remainder } 19$$

```

      36
29 | 1063
    87
    --
    193
    174
    ---
    19 ← remainder

```

$$1063 \div 31 = 34 \text{ remainder } 9$$

```

      34
31 | 1063
    93

```

--
133
124

9 ← remainder

P₁₈₀ 1069

$$1069 \div 2 = 534 \text{ remainder } 1$$

$$\begin{array}{r} 534 \\ 2 \mid 1069 \\ \underline{10} \\ 6 \\ \underline{ 6} \\ 9 \\ \underline{ 8} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1069 \div 3 = 356 \text{ remainder } 1$$

$$\begin{array}{r} 356 \\ 3 \mid 1069 \\ \underline{9} \\ 16 \\ \underline{ 15} \\ 19 \\ \underline{ 18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1069 \div 5 = 213 \text{ remainder } 4$$

$$\begin{array}{r} 213 \\ 5 \mid 1069 \\ \underline{10} \\ 6 \\ \underline{ 5} \\ 19 \\ \underline{ 15} \end{array}$$

--
4 ← remainder

$$1069 \div 7 = 152 \text{ remainder } 5$$

152
7 | 1069
7
-
36
35
--
19
14
--
5 ← remainder

$$1069 \div 11 = 97 \text{ remainder } 2$$

97
11 | 1069
99
--
79
77
--
2 ← remainder

$$1069 \div 13 = 82 \text{ remainder } 3$$

82
13 | 1069
104

29
26
--
3 ← remainder

$$1069 \div 17 = 62 \text{ remainder } 15$$

62
17 | 1069
102

```

  ---
  49
  34
  --
  15 ← remainder

```

$$1069 \div 19 = 56 \text{ remainder } 5$$

```

    56
  19 | 1069
    95
    --
    119
    114
    ---
    5 ← remainder

```

$$1069 \div 23 = 46 \text{ remainder } 11$$

```

    46
  23 | 1069
    92
    --
    149
    138
    ---
    11 ← remainder

```

$$1069 \div 29 = 36 \text{ remainder } 25$$

```

    36
  29 | 1069
    87
    --
    199
    174
    ---
    25 ← remainder

```

$$1069 \div 31 = 34 \text{ remainder } 15$$

```

    34
  31 | 1069
    93

```

--
139
124

15 ← remainder

P₁₈₁ 1087

$$1087 \div 2 = 543 \text{ remainder } 1$$

$$\begin{array}{r} 543 \\ 2 \mid 1087 \\ \underline{10} \\ 8 \\ \underline{8} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1087 \div 3 = 362 \text{ remainder } 1$$

$$\begin{array}{r} 362 \\ 3 \mid 1087 \\ \underline{9} \\ 18 \\ \underline{18} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1087 \div 5 = 217 \text{ remainder } 2$$

$$\begin{array}{r} 217 \\ 5 \mid 1087 \\ \underline{10} \\ 8 \\ \underline{5} \\ 37 \\ \underline{35} \end{array}$$

--
2 ← remainder

$$1087 \div 7 = 155 \text{ remainder } 2$$

155
7 | 1087
7
-
38
35
--
37
35
--
2 ← remainder

$$1087 \div 11 = 98 \text{ remainder } 9$$

98
11 | 1087
99
--
97
88
--
9 ← remainder

$$1087 \div 13 = 83 \text{ remainder } 8$$

83
13 | 1087
104

47
39
--
8 ← remainder

$$1087 \div 17 = 63 \text{ remainder } 16$$

63
17 | 1087
102

67
51
--

16 ← remainder

$$1087 \div 19 = 57 \text{ remainder } 4$$

57
19 | 1087
95
--
137
133

4 ← remainder

$$1087 \div 23 = 47 \text{ remainder } 6$$

47
23 | 1087
92
--
167
161

6 ← remainder

$$1087 \div 29 = 37 \text{ remainder } 14$$

37
29 | 1087
87
--
217
203

14 ← remainder

$$1087 \div 31 = 35 \text{ remainder } 2$$

35
31 | 1087
93

--
157
155

2 ← remainder

P₁₈₂ 1091

$$1091 \div 2 = 545 \text{ remainder } 1$$

$$\begin{array}{r} 545 \\ 2 \mid 1091 \\ \underline{10} \\ 9 \\ \underline{8} \\ 11 \\ \underline{10} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1091 \div 3 = 363 \text{ remainder } 2$$

$$\begin{array}{r} 363 \\ 3 \mid 1091 \\ \underline{9} \\ 19 \\ \underline{18} \\ 11 \\ \underline{9} \\ 2 \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1091 \div 5 = 218 \text{ remainder } 1$$

$$\begin{array}{r} 218 \\ 5 \mid 1091 \\ \underline{10} \\ 9 \\ \underline{5} \\ 41 \\ \underline{40} \\ 1 \end{array}$$

--
1 ← remainder

$1091 \div 7 = 155$ remainder 6

155
7 | 1091
7
-
39
35
--
41
35
--
6 ← remainder

$1091 \div 11 = 99$ remainder 2

99
11 | 1091
99
--
101
99
--
2 ← remainder

$1091 \div 13 = 83$ remainder 12

83
13 | 1091
104

51
39
--
12 ← remainder

$1091 \div 17 = 64$ remainder 3

64
17 | 1091
102

```

  ---
  71
  68
  --
  3 ← remainder

```

$$1091 \div 19 = 57 \text{ remainder } 8$$

```

    57
19 | 1091
    95
    --
    141
    133
    ---
    8 ← remainder

```

$$1091 \div 23 = 47 \text{ remainder } 10$$

```

    47
23 | 1091
    92
    --
    171
    161
    ---
    10 ← remainder

```

$$1091 \div 29 = 37 \text{ remainder } 18$$

```

    37
29 | 1091
    87
    --
    221
    203
    ---
    18 ← remainder

```

$$1091 \div 31 = 35 \text{ remainder } 6$$

```

    35
31 | 1091
    93

```

--
161
155

6 ← remainder

P₁₈₃ 1093

$$1093 \div 2 = 546 \text{ remainder } 1$$

$$\begin{array}{r} 546 \\ 2 \mid 1093 \\ 10 \\ -- \\ 9 \\ 8 \\ - \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1093 \div 3 = 364 \text{ remainder } 1$$

$$\begin{array}{r} 364 \\ 3 \mid 1093 \\ 9 \\ - \\ 19 \\ 18 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1093 \div 5 = 218 \text{ remainder } 3$$

$$\begin{array}{r} 218 \\ 5 \mid 1093 \\ 10 \\ -- \\ 9 \\ 5 \\ - \\ 43 \\ 40 \end{array}$$

--
3 ← remainder

$1093 \div 7 = 156 \text{ remainder } 1$

156
7 | 1093
7
-
39
35
--
43
42
--
1 ← remainder

$1093 \div 11 = 99 \text{ remainder } 4$

99
11 | 1093
99
--
103
99
--
4 ← remainder

$1093 \div 13 = 84 \text{ remainder } 1$

84
13 | 1093
104

53
52
--
1 ← remainder

$1093 \div 17 = 64 \text{ remainder } 5$

64
17 | 1093
102

```

  ---
  73
  68
  --
  5 ← remainder

```

$$1093 \div 19 = 57 \text{ remainder } 10$$

```

    57
19 | 1093
    95
    --
    143
    133
    ---
    10 ← remainder

```

$$1093 \div 23 = 47 \text{ remainder } 12$$

```

    47
23 | 1093
    92
    --
    173
    161
    ---
    12 ← remainder

```

$$1093 \div 29 = 37 \text{ remainder } 20$$

```

    37
29 | 1093
    87
    --
    223
    203
    ---
    20 ← remainder

```

$$1093 \div 31 = 35 \text{ remainder } 8$$

```

    35
31 | 1093
    93

```

--
163
155

8 ← remainder

P₁₈₄ 1097

$$1097 \div 2 = 548 \text{ remainder } 1$$

$$\begin{array}{r} 548 \\ 2 \mid 1097 \\ \underline{10} \\ - - \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1097 \div 3 = 365 \text{ remainder } 2$$

$$\begin{array}{r} 365 \\ 3 \mid 1097 \\ \underline{9} \\ - \\ 19 \\ \underline{18} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1097 \div 5 = 219 \text{ remainder } 2$$

$$\begin{array}{r} 219 \\ 5 \mid 1097 \\ \underline{10} \\ - - \\ 9 \\ \underline{5} \\ - \\ 47 \\ \underline{45} \end{array}$$

--
2 ← remainder

$1097 \div 7 = 156$ remainder 5

156
7 | 1097
7
-
39
35
--
47
42
--
5 ← remainder

$1097 \div 11 = 99$ remainder 8

99
11 | 1097
99
--
107
99
--
8 ← remainder

$1097 \div 13 = 84$ remainder 5

84
13 | 1097
104

57
52
--
5 ← remainder

$1097 \div 17 = 64$ remainder 9

64
17 | 1097
102

```

  ---
  77
  68
  --
  9 ← remainder

```

$$1097 \div 19 = 57 \text{ remainder } 14$$

```

    57
19 | 1097
    95
    --
    147
    133
    ---
    14 ← remainder

```

$$1097 \div 23 = 47 \text{ remainder } 16$$

```

    47
23 | 1097
    92
    --
    177
    161
    ---
    16 ← remainder

```

$$1097 \div 29 = 37 \text{ remainder } 24$$

```

    37
29 | 1097
    87
    --
    227
    203
    ---
    24 ← remainder

```

$$1097 \div 31 = 35 \text{ remainder } 12$$

```

    35
31 | 1097
    93

```

--
167
155

12 ← remainder

P₁₈₅ 1103

$$1103 \div 2 = 551 \text{ remainder } 1$$

$$\begin{array}{r} 551 \\ 2 \mid 1103 \\ \underline{10} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1103 \div 3 = 367 \text{ remainder } 2$$

$$\begin{array}{r} 367 \\ 3 \mid 1103 \\ \underline{9} \\ - \\ 20 \\ \underline{18} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1103 \div 5 = 220 \text{ remainder } 3$$

$$\begin{array}{r} 220 \\ 5 \mid 1103 \\ \underline{10} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 3 \\ \underline{0} \end{array}$$

-
3 ← remainder

$$1103 \div 7 = 157 \text{ remainder } 4$$

157
7 | 1103
7
-
40
35
--
53
49
--
4 ← remainder

$$1103 \div 11 = 100 \text{ remainder } 3$$

100
11 | 1103
11
--
0
0
-
3
0
-
3 ← remainder

$$1103 \div 13 = 84 \text{ remainder } 11$$

84
13 | 1103
104

63
52
--
11 ← remainder

$$1103 \div 17 = 64 \text{ remainder } 15$$

$$\begin{array}{r}
 64 \\
 17 \mid 1103 \\
 102 \\
 \text{---} \\
 83 \\
 68 \\
 \text{---} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1103 \div 19 = 58 \text{ remainder } 1$$

$$\begin{array}{r}
 58 \\
 19 \mid 1103 \\
 95 \\
 \text{---} \\
 153 \\
 152 \\
 \text{---} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1103 \div 23 = 47 \text{ remainder } 22$$

$$\begin{array}{r}
 47 \\
 23 \mid 1103 \\
 92 \\
 \text{---} \\
 183 \\
 161 \\
 \text{---} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$1103 \div 29 = 38 \text{ remainder } 1$$

$$\begin{array}{r}
 38 \\
 29 \mid 1103 \\
 87 \\
 \text{---} \\
 233 \\
 232 \\
 \text{---} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1103 \div 31 = 35 \text{ remainder } 18$$

```
      35
31 | 1103
    93
    --
    173
    155
    ---
    18 ← remainder
```


P₁₈₆ 1109

$$1109 \div 2 = 554 \text{ remainder } 1$$

$$\begin{array}{r} 554 \\ 2 \mid 1109 \\ \underline{10} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1109 \div 3 = 369 \text{ remainder } 2$$

$$\begin{array}{r} 369 \\ 3 \mid 1109 \\ \underline{9} \\ - \\ 20 \\ \underline{18} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1109 \div 5 = 221 \text{ remainder } 4$$

$$\begin{array}{r} 221 \\ 5 \mid 1109 \\ \underline{10} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 9 \\ \underline{5} \\ \end{array}$$

-
4 ← remainder

$$1109 \div 7 = 158 \text{ remainder } 3$$

```
    158
7 | 1109
   7
   -
   40
   35
   --
   59
   56
   --
   3 ← remainder
```

$$1109 \div 11 = 100 \text{ remainder } 9$$

```
    100
11 | 1109
   11
   --
    0
    0
    -
    9
    0
    -
    9 ← remainder
```

$$1109 \div 13 = 85 \text{ remainder } 4$$

```
    85
13 | 1109
   104
   ---
    69
    65
    --
    4 ← remainder
```

$$1109 \div 17 = 65 \text{ remainder } 4$$

$$\begin{array}{r}
 65 \\
 17 \mid 1109 \\
 102 \\
 --- \\
 89 \\
 85 \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1109 \div 19 = 58 \text{ remainder } 7$$

$$\begin{array}{r}
 58 \\
 19 \mid 1109 \\
 95 \\
 -- \\
 159 \\
 152 \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1109 \div 23 = 48 \text{ remainder } 5$$

$$\begin{array}{r}
 48 \\
 23 \mid 1109 \\
 92 \\
 -- \\
 189 \\
 184 \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1109 \div 29 = 38 \text{ remainder } 7$$

$$\begin{array}{r}
 38 \\
 29 \mid 1109 \\
 87 \\
 -- \\
 239 \\
 232 \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1109 \div 31 = 35 \text{ remainder } 24$$

```
      35
31 | 1109
    93
    --
    179
    155
    ---
    24 ← remainder
```

P₁₈₇ 1117

$$1117 \div 2 = 558 \text{ remainder } 1$$

$$\begin{array}{r} 558 \\ 2 \mid 1117 \\ 10 \\ -- \\ 11 \\ 10 \\ -- \\ 17 \\ 16 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1117 \div 3 = 372 \text{ remainder } 1$$

$$\begin{array}{r} 372 \\ 3 \mid 1117 \\ 9 \\ - \\ 21 \\ 21 \\ -- \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1117 \div 5 = 223 \text{ remainder } 2$$

$$\begin{array}{r} 223 \\ 5 \mid 1117 \\ 10 \\ -- \\ 11 \\ 10 \\ -- \\ 17 \\ 15 \end{array}$$

--
2 ← remainder

$1117 \div 7 = 159$ remainder 4

```
    159
7 | 1117
  7
  -
  41
 35
  --
  67
 63
  --
  4 ← remainder
```

$1117 \div 11 = 101$ remainder 6

```
    101
11 | 1117
   11
   --
    1
    0
    -
    17
    11
    --
    6 ← remainder
```

$1117 \div 13 = 85$ remainder 12

```
    85
13 | 1117
   104
   ---
    77
    65
    --
    12 ← remainder
```

$1117 \div 17 = 65$ remainder 12

$$\begin{array}{r}
 65 \\
 17 \mid 1117 \\
 \underline{102} \\
 --- \\
 97 \\
 \underline{85} \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1117 \div 19 = 58 \text{ remainder } 15$$

$$\begin{array}{r}
 58 \\
 19 \mid 1117 \\
 \underline{95} \\
 -- \\
 167 \\
 \underline{152} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1117 \div 23 = 48 \text{ remainder } 13$$

$$\begin{array}{r}
 48 \\
 23 \mid 1117 \\
 \underline{92} \\
 -- \\
 197 \\
 \underline{184} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1117 \div 29 = 38 \text{ remainder } 15$$

$$\begin{array}{r}
 38 \\
 29 \mid 1117 \\
 \underline{87} \\
 -- \\
 247 \\
 \underline{232} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1117 \div 31 = 36 \text{ remainder } 1$$

```
      36
31 | 1117
    93
    --
    187
    186
    ---
    1 ← remainder
```


P₁₈₈ 1123

$$1123 \div 2 = 561 \text{ remainder } 1$$

$$\begin{array}{r} 561 \\ 2 \mid 1123 \\ \underline{10} \\ 12 \\ \underline{12} \\ 3 \\ \underline{2} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1123 \div 3 = 374 \text{ remainder } 1$$

$$\begin{array}{r} 374 \\ 3 \mid 1123 \\ \underline{9} \\ 22 \\ \underline{21} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1123 \div 5 = 224 \text{ remainder } 3$$

$$\begin{array}{r} 224 \\ 5 \mid 1123 \\ \underline{10} \\ 12 \\ \underline{10} \\ 23 \\ \underline{20} \end{array}$$

--
3 ← remainder

$$1123 \div 7 = 160 \text{ remainder } 3$$

160
7 | 1123
7
-
42
42
--
3
0
-
3 ← remainder

$$1123 \div 11 = 102 \text{ remainder } 1$$

102
11 | 1123
11
--
2
0
-
23
22
--
1 ← remainder

$$1123 \div 13 = 86 \text{ remainder } 5$$

86
13 | 1123
104

83
78
--
5 ← remainder

$$1123 \div 17 = 66 \text{ remainder } 1$$

$$\begin{array}{r}
 66 \\
 17 \mid 1123 \\
 102 \\
 --- \\
 103 \\
 102 \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1123 \div 19 = 59 \text{ remainder } 2$$

$$\begin{array}{r}
 59 \\
 19 \mid 1123 \\
 95 \\
 -- \\
 173 \\
 171 \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1123 \div 23 = 48 \text{ remainder } 19$$

$$\begin{array}{r}
 48 \\
 23 \mid 1123 \\
 92 \\
 -- \\
 203 \\
 184 \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$1123 \div 29 = 38 \text{ remainder } 21$$

$$\begin{array}{r}
 38 \\
 29 \mid 1123 \\
 87 \\
 -- \\
 253 \\
 232 \\
 --- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1123 \div 31 = 36 \text{ remainder } 7$$

| | |
|----|---------------|
| | 36 |
| 31 | 1123 |
| | 93 |
| | -- |
| | 193 |
| | 186 |
| | --- |
| | 7 ← remainder |

P₁₈₉ 1129

$$1129 \div 2 = 564 \text{ remainder } 1$$

$$\begin{array}{r} 564 \\ 2 \mid 1129 \\ \underline{10} \\ 12 \\ \underline{12} \\ 9 \\ \underline{8} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1129 \div 3 = 376 \text{ remainder } 1$$

$$\begin{array}{r} 376 \\ 3 \mid 1129 \\ \underline{9} \\ 22 \\ \underline{21} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1129 \div 5 = 225 \text{ remainder } 4$$

$$\begin{array}{r} 225 \\ 5 \mid 1129 \\ \underline{10} \\ 12 \\ \underline{10} \\ 29 \\ \underline{25} \\ 4 \end{array}$$

--
4 ← remainder

$$1129 \div 7 = 161 \text{ remainder } 2$$

161
7 | 1129
7
-
42
42
--
9
7
-
2 ← remainder

$$1129 \div 11 = 102 \text{ remainder } 7$$

102
11 | 1129
11
--
2
0
-
29
22
--
7 ← remainder

$$1129 \div 13 = 86 \text{ remainder } 11$$

86
13 | 1129
104

89
78
--
11 ← remainder

$$1129 \div 17 = 66 \text{ remainder } 7$$

$$\begin{array}{r}
 66 \\
 17 \mid 1129 \\
 102 \\
 --- \\
 109 \\
 102 \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1129 \div 19 = 59 \text{ remainder } 8$$

$$\begin{array}{r}
 59 \\
 19 \mid 1129 \\
 95 \\
 -- \\
 179 \\
 171 \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1129 \div 23 = 49 \text{ remainder } 2$$

$$\begin{array}{r}
 49 \\
 23 \mid 1129 \\
 92 \\
 -- \\
 209 \\
 207 \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1129 \div 29 = 38 \text{ remainder } 27$$

$$\begin{array}{r}
 38 \\
 29 \mid 1129 \\
 87 \\
 -- \\
 259 \\
 232 \\
 --- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$1129 \div 31 = 36 \text{ remainder } 13$$

```
      36
31 | 1129
    93
    --
    199
    186
    ---
    13 ← remainder
```


P₁₉₀ 1151

$$1151 \div 2 = 575 \text{ remainder } 1$$

$$\begin{array}{r} 575 \\ 2 \mid 1151 \\ 10 \\ -- \\ 15 \\ 14 \\ -- \\ 11 \\ 10 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1151 \div 3 = 383 \text{ remainder } 2$$

$$\begin{array}{r} 383 \\ 3 \mid 1151 \\ 9 \\ - \\ 25 \\ 24 \\ -- \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1151 \div 5 = 230 \text{ remainder } 1$$

$$\begin{array}{r} 230 \\ 5 \mid 1151 \\ 10 \\ -- \\ 15 \\ 15 \\ -- \\ 1 \\ 0 \end{array}$$

-
1 ← remainder

$$1151 \div 7 = 164 \text{ remainder } 3$$

164
7 | 1151
7
-
45
42
--
31
28
--
3 ← remainder

$$1151 \div 11 = 104 \text{ remainder } 7$$

104
11 | 1151
11
--
5
0
-
51
44
--
7 ← remainder

$$1151 \div 13 = 88 \text{ remainder } 7$$

88
13 | 1151
104

111
104

7 ← remainder

$$1151 \div 17 = 67 \text{ remainder } 12$$

$$\begin{array}{r}
 67 \\
 17 \mid 1151 \\
 \underline{102} \\
 --- \\
 131 \\
 \underline{119} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1151 \div 19 = 60 \text{ remainder } 11$$

$$\begin{array}{r}
 60 \\
 19 \mid 1151 \\
 \underline{114} \\
 --- \\
 11 \\
 \underline{0} \\
 - \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1151 \div 23 = 50 \text{ remainder } 1$$

$$\begin{array}{r}
 50 \\
 23 \mid 1151 \\
 \underline{115} \\
 --- \\
 1 \\
 \underline{0} \\
 - \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1151 \div 29 = 39 \text{ remainder } 20$$

$$\begin{array}{r}
 39 \\
 29 \mid 1151 \\
 \underline{87} \\
 --- \\
 281 \\
 \underline{261} \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$1151 \div 31 = 37 \text{ remainder } 4$$

```
      37
31 | 1151
    93
    --
    221
    217
    ---
    4 ← remainder
```

P₁₉₁ 1153

$$1153 \div 2 = 576 \text{ remainder } 1$$

$$\begin{array}{r} 576 \\ 2 \mid 1153 \\ 10 \\ -- \\ 15 \\ 14 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1153 \div 3 = 384 \text{ remainder } 1$$

$$\begin{array}{r} 384 \\ 3 \mid 1153 \\ 9 \\ - \\ 25 \\ 24 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1153 \div 5 = 230 \text{ remainder } 3$$

$$\begin{array}{r} 230 \\ 5 \mid 1153 \\ 10 \\ -- \\ 15 \\ 15 \\ -- \\ 3 \\ 0 \end{array}$$

-
3 ← remainder

$$1153 \div 7 = 164 \text{ remainder } 5$$

164
7 | 1153
7
-
45
42
--
33
28
--
5 ← remainder

$$1153 \div 11 = 104 \text{ remainder } 9$$

104
11 | 1153
11
--
5
0
-
53
44
--
9 ← remainder

$$1153 \div 13 = 88 \text{ remainder } 9$$

88
13 | 1153
104

113
104

9 ← remainder

$$1153 \div 17 = 67 \text{ remainder } 14$$

$$\begin{array}{r}
 67 \\
 17 \mid 1153 \\
 \underline{102} \\
 --- \\
 133 \\
 \underline{119} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1153 \div 19 = 60 \text{ remainder } 13$$

$$\begin{array}{r}
 60 \\
 19 \mid 1153 \\
 \underline{114} \\
 --- \\
 13 \\
 \underline{0} \\
 - \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1153 \div 23 = 50 \text{ remainder } 3$$

$$\begin{array}{r}
 50 \\
 23 \mid 1153 \\
 \underline{115} \\
 --- \\
 3 \\
 \underline{0} \\
 - \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1153 \div 29 = 39 \text{ remainder } 22$$

$$\begin{array}{r}
 39 \\
 29 \mid 1153 \\
 \underline{87} \\
 --- \\
 283 \\
 \underline{261} \\
 --- \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$1153 \div 31 = 37 \text{ remainder } 6$$

| | |
|----|---------------|
| | 37 |
| 31 | 1153 |
| | 93 |
| | -- |
| | 223 |
| | 217 |
| | --- |
| | 6 ← remainder |

P₁₉₂ 1163

$$1163 \div 2 = 581 \text{ remainder } 1$$

$$\begin{array}{r} 581 \\ 2 \mid 1163 \\ 10 \\ -- \\ 16 \\ 16 \\ -- \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1163 \div 3 = 387 \text{ remainder } 2$$

$$\begin{array}{r} 387 \\ 3 \mid 1163 \\ 9 \\ - \\ 26 \\ 24 \\ -- \\ 23 \\ 21 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1163 \div 5 = 232 \text{ remainder } 3$$

$$\begin{array}{r} 232 \\ 5 \mid 1163 \\ 10 \\ -- \\ 16 \\ 15 \\ -- \\ 13 \\ 10 \end{array}$$

--
3 ← remainder

$1163 \div 7 = 166 \text{ remainder } 1$

166
7 | 1163
7
-
46
42
--
43
42
--
1 ← remainder

$1163 \div 11 = 105 \text{ remainder } 8$

105
11 | 1163
11
--
6
0
-
63
55
--
8 ← remainder

$1163 \div 13 = 89 \text{ remainder } 6$

89
13 | 1163
104

123
117

6 ← remainder

$1163 \div 17 = 68 \text{ remainder } 7$

$$\begin{array}{r}
 68 \\
 17 \mid 1163 \\
 \underline{102} \\
 --- \\
 143 \\
 \underline{136} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1163 \div 19 = 61 \text{ remainder } 4$$

$$\begin{array}{r}
 61 \\
 19 \mid 1163 \\
 \underline{114} \\
 --- \\
 23 \\
 \underline{19} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1163 \div 23 = 50 \text{ remainder } 13$$

$$\begin{array}{r}
 50 \\
 23 \mid 1163 \\
 \underline{115} \\
 --- \\
 13 \\
 \underline{0} \\
 - \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1163 \div 29 = 40 \text{ remainder } 3$$

$$\begin{array}{r}
 40 \\
 29 \mid 1163 \\
 \underline{116} \\
 --- \\
 3 \\
 \underline{0} \\
 - \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1163 \div 31 = 37 \text{ remainder } 16$$

```
      37
31 | 1163
    93
    --
    233
    217
    ---
    16 ← remainder
```

P₁₉₃ 1171

$$1171 \div 2 = 585 \text{ remainder } 1$$

$$\begin{array}{r} 585 \\ 2 \mid 1171 \\ \underline{10} \\ 17 \\ \underline{16} \\ 11 \\ \underline{10} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1171 \div 3 = 390 \text{ remainder } 1$$

$$\begin{array}{r} 390 \\ 3 \mid 1171 \\ \underline{9} \\ 27 \\ \underline{27} \\ 1 \\ \underline{0} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1171 \div 5 = 234 \text{ remainder } 1$$

$$\begin{array}{r} 234 \\ 5 \mid 1171 \\ \underline{10} \\ 17 \\ \underline{15} \\ 21 \\ \underline{20} \\ 1 \end{array}$$

--
1 ← remainder

$1171 \div 7 = 167$ remainder 2

167
7 | 1171
7
-
47
42
--
51
49
--
2 ← remainder

$1171 \div 11 = 106$ remainder 5

106
11 | 1171
11
--
7
0
-
71
66
--
5 ← remainder

$1171 \div 13 = 90$ remainder 1

90
13 | 1171
117

1
0
-
1 ← remainder

$1171 \div 17 = 68$ remainder 15

$$\begin{array}{r}
 68 \\
 17 \mid 1171 \\
 \underline{102} \\
 --- \\
 151 \\
 \underline{136} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1171 \div 19 = 61 \text{ remainder } 12$$

$$\begin{array}{r}
 61 \\
 19 \mid 1171 \\
 \underline{114} \\
 --- \\
 31 \\
 \underline{19} \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1171 \div 23 = 50 \text{ remainder } 21$$

$$\begin{array}{r}
 50 \\
 23 \mid 1171 \\
 \underline{115} \\
 --- \\
 21 \\
 \underline{0} \\
 - \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1171 \div 29 = 40 \text{ remainder } 11$$

$$\begin{array}{r}
 40 \\
 29 \mid 1171 \\
 \underline{116} \\
 --- \\
 11 \\
 \underline{0} \\
 - \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1171 \div 31 = 37 \text{ remainder } 24$$

```
      37
31 | 1171
    93
    --
    241
    217
    ---
    24 ← remainder
```


P₁₉₄ 1181

$$1181 \div 2 = 590 \text{ remainder } 1$$

```

    590
2 | 1181
   10
   --
   18
   18
   --
   1
   0
   -
   1 ← remainder

```

$$1181 \div 3 = 393 \text{ remainder } 2$$

$$\begin{array}{r} 393 \\ 3 \overline{) 1181} \\ \underline{9} \\ 28 \\ \underline{27} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1181 \div 5 = 236 \text{ remainder } 1$$

```

      236
5 | 1181
   10
   --
   18
   15
   --
   31
   30

```

--
1 ← remainder

$$1181 \div 7 = 168 \text{ remainder } 5$$

168
7 | 1181
7
-
48
42
--
61
56
--
5 ← remainder

$$1181 \div 11 = 107 \text{ remainder } 4$$

107
11 | 1181
11
--
8
0
-
81
77
--
4 ← remainder

$$1181 \div 13 = 90 \text{ remainder } 11$$

90
13 | 1181
117

11
0
-
11 ← remainder

$$1181 \div 17 = 69 \text{ remainder } 8$$

$$\begin{array}{r}
 69 \\
 17 \mid 1181 \\
 102 \\
 --- \\
 161 \\
 153 \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1181 \div 19 = 62 \text{ remainder } 3$$

$$\begin{array}{r}
 62 \\
 19 \mid 1181 \\
 114 \\
 --- \\
 41 \\
 38 \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1181 \div 23 = 51 \text{ remainder } 8$$

$$\begin{array}{r}
 51 \\
 23 \mid 1181 \\
 115 \\
 --- \\
 31 \\
 23 \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1181 \div 29 = 40 \text{ remainder } 21$$

$$\begin{array}{r}
 40 \\
 29 \mid 1181 \\
 116 \\
 --- \\
 21 \\
 0 \\
 - \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1181 \div 31 = 38 \text{ remainder } 3$$

```
      38
31 | 1181
    93
    --
    251
    248
    ---
    3 ← remainder
```

P₁₉₅ 1187

$$1187 \div 2 = 593 \text{ remainder } 1$$

$$\begin{array}{r} 593 \\ 2 \mid 1187 \\ \underline{10} \\ 18 \\ \underline{18} \\ 7 \\ 6 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1187 \div 3 = 395 \text{ remainder } 2$$

$$\begin{array}{r} 395 \\ 3 \mid 1187 \\ \underline{9} \\ 28 \\ \underline{27} \\ 17 \\ 15 \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1187 \div 5 = 237 \text{ remainder } 2$$

$$\begin{array}{r} 237 \\ 5 \mid 1187 \\ \underline{10} \\ 18 \\ \underline{15} \\ 37 \\ 35 \end{array}$$

--
2 ← remainder

$1187 \div 7 = 169$ remainder 4

```
    169
7 | 1187
  7
  -
  48
  42
  --
   67
   63
   --
    4 ← remainder
```

$1187 \div 11 = 107$ remainder 10

```
    107
11 | 1187
   11
   --
    8
    0
    -
    87
    77
    --
    10 ← remainder
```

$1187 \div 13 = 91$ remainder 4

```
    91
13 | 1187
   117
   ---
    17
    13
    --
    4 ← remainder
```

$1187 \div 17 = 69$ remainder 14

$$\begin{array}{r}
 69 \\
 17 \mid 1187 \\
 \underline{102} \\
 --- \\
 167 \\
 \underline{153} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1187 \div 19 = 62 \text{ remainder } 9$$

$$\begin{array}{r}
 62 \\
 19 \mid 1187 \\
 \underline{114} \\
 --- \\
 47 \\
 \underline{38} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1187 \div 23 = 51 \text{ remainder } 14$$

$$\begin{array}{r}
 51 \\
 23 \mid 1187 \\
 \underline{115} \\
 --- \\
 37 \\
 \underline{23} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1187 \div 29 = 40 \text{ remainder } 27$$

$$\begin{array}{r}
 40 \\
 29 \mid 1187 \\
 \underline{116} \\
 --- \\
 27 \\
 \underline{0} \\
 - \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$1187 \div 31 = 38 \text{ remainder } 9$$

| | |
|----|---------------|
| | 38 |
| 31 | 1187 |
| | 93 |
| | -- |
| | 257 |
| | 248 |
| | --- |
| | 9 ← remainder |

P₁₉₆ 1193

$$1193 \div 2 = 596 \text{ remainder } 1$$

$$\begin{array}{r} 596 \\ 2 \mid 1193 \\ 10 \\ -- \\ 19 \\ 18 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1193 \div 3 = 397 \text{ remainder } 2$$

$$\begin{array}{r} 397 \\ 3 \mid 1193 \\ 9 \\ - \\ 29 \\ 27 \\ -- \\ 23 \\ 21 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1193 \div 5 = 238 \text{ remainder } 3$$

$$\begin{array}{r} 238 \\ 5 \mid 1193 \\ 10 \\ -- \\ 19 \\ 15 \\ -- \\ 43 \\ 40 \end{array}$$

--
3 ← remainder

$$1193 \div 7 = 170 \text{ remainder } 3$$

170
7 | 1193
7
-
49
49
--
3
0
-
3 ← remainder

$$1193 \div 11 = 108 \text{ remainder } 5$$

108
11 | 1193
11
--
9
0
-
93
88
--
5 ← remainder

$$1193 \div 13 = 91 \text{ remainder } 10$$

91
13 | 1193
117

23
13
--
10 ← remainder

$$1193 \div 17 = 70 \text{ remainder } 3$$

$$\begin{array}{r}
 70 \\
 17 \mid 1193 \\
 \underline{119} \\
 3 \\
 0 \\
 - \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1193 \div 19 = 62 \text{ remainder } 15$$

$$\begin{array}{r}
 62 \\
 19 \mid 1193 \\
 \underline{114} \\
 53 \\
 \underline{38} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1193 \div 23 = 51 \text{ remainder } 20$$

$$\begin{array}{r}
 51 \\
 23 \mid 1193 \\
 \underline{115} \\
 43 \\
 \underline{23} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$1193 \div 29 = 41 \text{ remainder } 4$$

$$\begin{array}{r}
 41 \\
 29 \mid 1193 \\
 \underline{116} \\
 33 \\
 \underline{29} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1193 \div 31 = 38 \text{ remainder } 15$$

```
      38
31 | 1193
    93
    --
    263
    248
    ---
    15 ← remainder
```

P₁₉₇ 1201

$$1201 \div 2 = 600 \text{ remainder } 1$$

$$\begin{array}{r} 600 \\ 2 \mid 1201 \\ \underline{12} \\ - - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1201 \div 3 = 400 \text{ remainder } 1$$

$$\begin{array}{r} 400 \\ 3 \mid 1201 \\ \underline{12} \\ - - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1201 \div 5 = 240 \text{ remainder } 1$$

$$\begin{array}{r} 240 \\ 5 \mid 1201 \\ \underline{10} \\ - - \\ 20 \\ \underline{20} \\ - - \\ 1 \\ 0 \end{array}$$

-
1 ← remainder

$1201 \div 7 = 171 \text{ remainder } 4$

```
    171
7 | 1201
   7
   -
   50
   49
   --
   11
   7
   -
   4 ← remainder
```

$1201 \div 11 = 109 \text{ remainder } 2$

```
    109
11 | 1201
   11
   --
   10
   0
   -
   101
   99
   --
   2 ← remainder
```

$1201 \div 13 = 92 \text{ remainder } 5$

```
    92
13 | 1201
   117
   ---
   31
   26
   --
   5 ← remainder
```

$1201 \div 17 = 70 \text{ remainder } 11$

$$\begin{array}{r}
 70 \\
 17 \mid 1201 \\
 119 \\
 --- \\
 11 \\
 0 \\
 - \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1201 \div 19 = 63 \text{ remainder } 4$$

$$\begin{array}{r}
 63 \\
 19 \mid 1201 \\
 114 \\
 --- \\
 61 \\
 57 \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1201 \div 23 = 52 \text{ remainder } 5$$

$$\begin{array}{r}
 52 \\
 23 \mid 1201 \\
 115 \\
 --- \\
 51 \\
 46 \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1201 \div 29 = 41 \text{ remainder } 12$$

$$\begin{array}{r}
 41 \\
 29 \mid 1201 \\
 116 \\
 --- \\
 41 \\
 29 \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1201 \div 31 = 38 \text{ remainder } 23$$

```
      38
31 | 1201
    93
    --
    271
    248
    ---
    23 ← remainder
```


P₁₉₈ 1213

$$1213 \div 2 = 606 \text{ remainder } 1$$

$$\begin{array}{r} 606 \\ 2 \mid 1213 \\ \underline{12} \\ -- \\ 1 \\ 0 \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1213 \div 3 = 404 \text{ remainder } 1$$

$$\begin{array}{r} 404 \\ 3 \mid 1213 \\ \underline{12} \\ -- \\ 1 \\ 0 \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1213 \div 5 = 242 \text{ remainder } 3$$

$$\begin{array}{r} 242 \\ 5 \mid 1213 \\ \underline{10} \\ -- \\ 21 \\ \underline{20} \\ -- \\ 13 \\ \underline{10} \end{array}$$

--
3 ← remainder

$$1213 \div 7 = 173 \text{ remainder } 2$$

173
7 | 1213
7
-
51
49
--
23
21
--
2 ← remainder

$$1213 \div 11 = 110 \text{ remainder } 3$$

110
11 | 1213
11
--
11
11
--
3
0
-
3 ← remainder

$$1213 \div 13 = 93 \text{ remainder } 4$$

93
13 | 1213
117

43
39
--
4 ← remainder

$$1213 \div 17 = 71 \text{ remainder } 6$$

$$\begin{array}{r}
 71 \\
 17 \mid 1213 \\
 \underline{119} \\
 23 \\
 \underline{17} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1213 \div 19 = 63 \text{ remainder } 16$$

$$\begin{array}{r}
 63 \\
 19 \mid 1213 \\
 \underline{114} \\
 73 \\
 \underline{57} \\
 16 \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1213 \div 23 = 52 \text{ remainder } 17$$

$$\begin{array}{r}
 52 \\
 23 \mid 1213 \\
 \underline{115} \\
 63 \\
 \underline{46} \\
 17 \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$1213 \div 29 = 41 \text{ remainder } 24$$

$$\begin{array}{r}
 41 \\
 29 \mid 1213 \\
 \underline{116} \\
 53 \\
 \underline{29} \\
 24 \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$1213 \div 31 = 39 \text{ remainder } 4$$

```
      39
31 | 1213
    93
    --
    283
    279
    ---
    4 ← remainder
```

P₁₉₉ 1217

$$1217 \div 2 = 608 \text{ remainder } 1$$

$$\begin{array}{r} 608 \\ 2 \mid 1217 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1217 \div 3 = 405 \text{ remainder } 2$$

$$\begin{array}{r} 405 \\ 3 \mid 1217 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1217 \div 5 = 243 \text{ remainder } 2$$

$$\begin{array}{r} 243 \\ 5 \mid 1217 \\ \underline{10} \\ -- \\ 21 \\ \underline{20} \\ -- \\ 17 \\ \underline{15} \\ -- \end{array}$$

--
2 ← remainder

$$1217 \div 7 = 173 \text{ remainder } 6$$

173
7 | 1217
7
-
51
49
--
27
21
--
6 ← remainder

$$1217 \div 11 = 110 \text{ remainder } 7$$

110
11 | 1217
11
--
11
11
--
7
0
-
7 ← remainder

$$1217 \div 13 = 93 \text{ remainder } 8$$

93
13 | 1217
117

47
39
--
8 ← remainder

$$1217 \div 17 = 71 \text{ remainder } 10$$

$$\begin{array}{r}
 71 \\
 17 \mid 1217 \\
 119 \\
 --- \\
 27 \\
 17 \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1217 \div 19 = 64 \text{ remainder } 1$$

$$\begin{array}{r}
 64 \\
 19 \mid 1217 \\
 114 \\
 --- \\
 77 \\
 76 \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1217 \div 23 = 52 \text{ remainder } 21$$

$$\begin{array}{r}
 52 \\
 23 \mid 1217 \\
 115 \\
 --- \\
 67 \\
 46 \\
 -- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1217 \div 29 = 41 \text{ remainder } 28$$

$$\begin{array}{r}
 41 \\
 29 \mid 1217 \\
 116 \\
 --- \\
 57 \\
 29 \\
 -- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$1217 \div 31 = 39 \text{ remainder } 8$$

| | |
|----|---------------|
| | 39 |
| 31 | 1217 |
| | 93 |
| | -- |
| | 287 |
| | 279 |
| | --- |
| | 8 ← remainder |

P₂₀₀ 1223

$$1223 \div 2 = 611 \text{ remainder } 1$$

$$\begin{array}{r} 611 \\ 2 \mid 1223 \\ \underline{12} \\ -- \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1223 \div 3 = 407 \text{ remainder } 2$$

$$\begin{array}{r} 407 \\ 3 \mid 1223 \\ \underline{12} \\ -- \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1223 \div 5 = 244 \text{ remainder } 3$$

$$\begin{array}{r} 244 \\ 5 \mid 1223 \\ \underline{10} \\ -- \\ 22 \\ \underline{20} \\ -- \\ 23 \\ \underline{20} \end{array}$$

--
3 ← remainder

$$1223 \div 7 = 174 \text{ remainder } 5$$

174
7 | 1223
7
-
52
49
--
33
28
--
5 ← remainder

$$1223 \div 11 = 111 \text{ remainder } 2$$

111
11 | 1223
11
--
12
11
--
13
11
--
2 ← remainder

$$1223 \div 13 = 94 \text{ remainder } 1$$

94
13 | 1223
117

53
52
--
1 ← remainder

$$1223 \div 17 = 71 \text{ remainder } 16$$

$$\begin{array}{r}
 71 \\
 17 \mid 1223 \\
 \underline{119} \\
 33 \\
 \underline{17} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1223 \div 19 = 64 \text{ remainder } 7$$

$$\begin{array}{r}
 64 \\
 19 \mid 1223 \\
 \underline{114} \\
 83 \\
 \underline{76} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1223 \div 23 = 53 \text{ remainder } 4$$

$$\begin{array}{r}
 53 \\
 23 \mid 1223 \\
 \underline{115} \\
 73 \\
 \underline{69} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1223 \div 29 = 42 \text{ remainder } 5$$

$$\begin{array}{r}
 42 \\
 29 \mid 1223 \\
 \underline{116} \\
 63 \\
 \underline{58} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1223 \div 31 = 39 \text{ remainder } 14$$

```
      39
31 | 1223
    93
    --
    293
    279
    ---
    14 ← remainder
```

P₂₀₁ 1229

$$1229 \div 2 = 614 \text{ remainder } 1$$

$$\begin{array}{r} 614 \\ 2 \mid 1229 \\ \underline{12} \\ -- \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1229 \div 3 = 409 \text{ remainder } 2$$

$$\begin{array}{r} 409 \\ 3 \mid 1229 \\ \underline{12} \\ -- \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1229 \div 5 = 245 \text{ remainder } 4$$

$$\begin{array}{r} 245 \\ 5 \mid 1229 \\ \underline{10} \\ -- \\ 22 \\ \underline{20} \\ -- \\ 29 \\ \underline{25} \\ -- \end{array}$$

--
4 ← remainder

$$1229 \div 7 = 175 \text{ remainder } 4$$

```
    175
7 | 1229
   7
   -
   52
   49
   --
   39
   35
   --
   4 ← remainder
```

$$1229 \div 11 = 111 \text{ remainder } 8$$

```
    111
11 | 1229
   11
   --
   12
   11
   --
   19
   11
   --
   8 ← remainder
```

$$1229 \div 13 = 94 \text{ remainder } 7$$

```
    94
13 | 1229
   117
   ---
   59
   52
   --
   7 ← remainder
```

$$1229 \div 17 = 72 \text{ remainder } 5$$

$$\begin{array}{r}
 72 \\
 17 \mid 1229 \\
 \underline{119} \\
 39 \\
 \underline{34} \\
 5 \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1229 \div 19 = 64 \text{ remainder } 13$$

$$\begin{array}{r}
 64 \\
 19 \mid 1229 \\
 \underline{114} \\
 89 \\
 \underline{76} \\
 13 \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1229 \div 23 = 53 \text{ remainder } 10$$

$$\begin{array}{r}
 53 \\
 23 \mid 1229 \\
 \underline{115} \\
 79 \\
 \underline{69} \\
 10 \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1229 \div 29 = 42 \text{ remainder } 11$$

$$\begin{array}{r}
 42 \\
 29 \mid 1229 \\
 \underline{116} \\
 69 \\
 \underline{58} \\
 11 \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1229 \div 31 = 39 \text{ remainder } 20$$

```
      39
31 | 1229
    93
    --
    299
    279
    ---
    20 ← remainder
```


P₂₀₂ 1231

$$1231 \div 2 = 615 \text{ remainder } 1$$

$$\begin{array}{r} 615 \\ 2 \mid 1231 \\ \underline{12} \\ - - \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1231 \div 3 = 410 \text{ remainder } 1$$

$$\begin{array}{r} 410 \\ 3 \mid 1231 \\ \underline{12} \\ - - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1231 \div 5 = 246 \text{ remainder } 1$$

$$\begin{array}{r} 246 \\ 5 \mid 1231 \\ \underline{10} \\ - - \\ 23 \\ \underline{20} \\ - - \\ 31 \\ \underline{30} \\ - - \end{array}$$

--
1 ← remainder

$$1231 \div 7 = 175 \text{ remainder } 6$$

175
7 | 1231
7
-
53
49
--
41
35
--
6 ← remainder

$$1231 \div 11 = 111 \text{ remainder } 10$$

111
11 | 1231
11
--
13
11
--
21
11
--
10 ← remainder

$$1231 \div 13 = 94 \text{ remainder } 9$$

94
13 | 1231
117

61
52
--
9 ← remainder

$$1231 \div 17 = 72 \text{ remainder } 7$$

$$\begin{array}{r}
 72 \\
 17 \mid 1231 \\
 \underline{119} \\
 41 \\
 \underline{34} \\
 7 \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1231 \div 19 = 64 \text{ remainder } 15$$

$$\begin{array}{r}
 64 \\
 19 \mid 1231 \\
 \underline{114} \\
 91 \\
 \underline{76} \\
 15 \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1231 \div 23 = 53 \text{ remainder } 12$$

$$\begin{array}{r}
 53 \\
 23 \mid 1231 \\
 \underline{115} \\
 81 \\
 \underline{69} \\
 12 \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1231 \div 29 = 42 \text{ remainder } 13$$

$$\begin{array}{r}
 42 \\
 29 \mid 1231 \\
 \underline{116} \\
 71 \\
 \underline{58} \\
 13 \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1231 \div 31 = 39 \text{ remainder } 22$$

```
      39
31 | 1231
    93
    --
    301
    279
    ---
    22 ← remainder
```

P₂₀₃ 1237

$$1237 \div 2 = 618 \text{ remainder } 1$$

$$\begin{array}{r} 618 \\ 2 \mid 1237 \\ \underline{12} \\ -- \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1237 \div 3 = 412 \text{ remainder } 1$$

$$\begin{array}{r} 412 \\ 3 \mid 1237 \\ \underline{12} \\ -- \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1237 \div 5 = 247 \text{ remainder } 2$$

$$\begin{array}{r} 247 \\ 5 \mid 1237 \\ \underline{10} \\ -- \\ 23 \\ \underline{20} \\ -- \\ 37 \\ \underline{35} \\ -- \end{array}$$

--
2 ← remainder

$$1237 \div 7 = 176 \text{ remainder } 5$$

176
7 | 1237
7
-
53
49
--
47
42
--
5 ← remainder

$$1237 \div 11 = 112 \text{ remainder } 5$$

112
11 | 1237
11
--
13
11
--
27
22
--
5 ← remainder

$$1237 \div 13 = 95 \text{ remainder } 2$$

95
13 | 1237
117

67
65
--
2 ← remainder

$$1237 \div 17 = 72 \text{ remainder } 13$$

$$\begin{array}{r}
 72 \\
 17 \mid 1237 \\
 \underline{119} \\
 47 \\
 \underline{34} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1237 \div 19 = 65 \text{ remainder } 2$$

$$\begin{array}{r}
 65 \\
 19 \mid 1237 \\
 \underline{114} \\
 97 \\
 \underline{95} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1237 \div 23 = 53 \text{ remainder } 18$$

$$\begin{array}{r}
 53 \\
 23 \mid 1237 \\
 \underline{115} \\
 87 \\
 \underline{69} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1237 \div 29 = 42 \text{ remainder } 19$$

$$\begin{array}{r}
 42 \\
 29 \mid 1237 \\
 \underline{116} \\
 77 \\
 \underline{58} \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$1237 \div 31 = 39 \text{ remainder } 28$$

```
      39
31 | 1237
    93
    --
    307
    279
    ---
    28 ← remainder
```


P₂₀₄ 1249

$$1249 \div 2 = 624 \text{ remainder } 1$$

$$\begin{array}{r} 624 \\ 2 \mid 1249 \\ \underline{12} \\ - - \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1249 \div 3 = 416 \text{ remainder } 1$$

$$\begin{array}{r} 416 \\ 3 \mid 1249 \\ \underline{12} \\ - - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1249 \div 5 = 249 \text{ remainder } 4$$

$$\begin{array}{r} 249 \\ 5 \mid 1249 \\ \underline{10} \\ - - \\ 24 \\ \underline{20} \\ - - \\ 49 \\ \underline{45} \end{array}$$

--
4 ← remainder

$$1249 \div 7 = 178 \text{ remainder } 3$$

178
7 | 1249
7
-
54
49
--
59
56
--
3 ← remainder

$$1249 \div 11 = 113 \text{ remainder } 6$$

113
11 | 1249
11
--
14
11
--
39
33
--
6 ← remainder

$$1249 \div 13 = 96 \text{ remainder } 1$$

96
13 | 1249
117

79
78
--
1 ← remainder

$$1249 \div 17 = 73 \text{ remainder } 8$$

$$\begin{array}{r}
 73 \\
 17 \mid 1249 \\
 \underline{119} \\
 59 \\
 \underline{51} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1249 \div 19 = 65 \text{ remainder } 14$$

$$\begin{array}{r}
 65 \\
 19 \mid 1249 \\
 \underline{114} \\
 109 \\
 \underline{95} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1249 \div 23 = 54 \text{ remainder } 7$$

$$\begin{array}{r}
 54 \\
 23 \mid 1249 \\
 \underline{115} \\
 99 \\
 \underline{92} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1249 \div 29 = 43 \text{ remainder } 2$$

$$\begin{array}{r}
 43 \\
 29 \mid 1249 \\
 \underline{116} \\
 89 \\
 \underline{87} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1249 \div 31 = 40 \text{ remainder } 9$$

| | | |
|----|----|---------------|
| | 40 | |
| 31 | | 1249 |
| | | 124 |
| | | --- |
| | | 9 |
| | | 0 |
| | | - |
| | | 9 ← remainder |

P₂₀₅ 1259

$$1259 \div 2 = 629 \text{ remainder } 1$$

$$\begin{array}{r} 629 \\ 2 \mid 1259 \\ \underline{12} \\ - - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1259 \div 3 = 419 \text{ remainder } 2$$

$$\begin{array}{r} 419 \\ 3 \mid 1259 \\ \underline{12} \\ - - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1259 \div 5 = 251 \text{ remainder } 4$$

$$\begin{array}{r} 251 \\ 5 \mid 1259 \\ \underline{10} \\ - - \\ 25 \\ \underline{25} \\ - - \\ 9 \\ \underline{5} \\ - - \end{array}$$

-
4 ← remainder

$$1259 \div 7 = 179 \text{ remainder } 6$$

179
7 | 1259
7
-
55
49
--
69
63
--
6 ← remainder

$$1259 \div 11 = 114 \text{ remainder } 5$$

114
11 | 1259
11
--
15
11
--
49
44
--
5 ← remainder

$$1259 \div 13 = 96 \text{ remainder } 11$$

96
13 | 1259
117

89
78
--
11 ← remainder

$$1259 \div 17 = 74 \text{ remainder } 1$$

$$\begin{array}{r}
 74 \\
 17 \mid 1259 \\
 119 \\
 \text{---} \\
 69 \\
 68 \\
 \text{--} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1259 \div 19 = 66 \text{ remainder } 5$$

$$\begin{array}{r}
 66 \\
 19 \mid 1259 \\
 114 \\
 \text{---} \\
 119 \\
 114 \\
 \text{---} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1259 \div 23 = 54 \text{ remainder } 17$$

$$\begin{array}{r}
 54 \\
 23 \mid 1259 \\
 115 \\
 \text{---} \\
 109 \\
 92 \\
 \text{--} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$1259 \div 29 = 43 \text{ remainder } 12$$

$$\begin{array}{r}
 43 \\
 29 \mid 1259 \\
 116 \\
 \text{---} \\
 99 \\
 87 \\
 \text{--} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1259 \div 31 = 40 \text{ remainder } 19$$

| | | |
|----|----|----------------|
| | 40 | |
| 31 | | 1259 |
| | | 124 |
| | | --- |
| | | 19 |
| | | 0 |
| | | - |
| | | 19 ← remainder |

P₂₀₆ 1277

$$1277 \div 2 = 638 \text{ remainder } 1$$

$$\begin{array}{r} 638 \\ 2 \mid 1277 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1277 \div 3 = 425 \text{ remainder } 2$$

$$\begin{array}{r} 425 \\ 3 \mid 1277 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1277 \div 5 = 255 \text{ remainder } 2$$

$$\begin{array}{r} 255 \\ 5 \mid 1277 \\ \underline{10} \\ -- \\ 27 \\ \underline{25} \\ -- \\ 27 \\ \underline{25} \\ -- \end{array}$$

--
2 ← remainder

$$1277 \div 7 = 182 \text{ remainder } 3$$

182
7 | 1277
7
-
57
56
-
17
14
-
3 ← remainder

$$1277 \div 11 = 116 \text{ remainder } 1$$

116
11 | 1277
11
--
17
11
--
67
66
--
1 ← remainder

$$1277 \div 13 = 98 \text{ remainder } 3$$

98
13 | 1277
117

107
104

3 ← remainder

$$1277 \div 17 = 75 \text{ remainder } 2$$

```

      75
17 | 1277
    119
    ---
     87
     85
     --
      2 ← remainder

```

$$1277 \div 19 = 67 \text{ remainder } 4$$

```

      67
19 | 1277
    114
    ---
     137
     133
     ---
      4 ← remainder

```

$$1277 \div 23 = 55 \text{ remainder } 12$$

```

      55
23 | 1277
    115
    ---
     127
     115
     ---
      12 ← remainder

```

$$1277 \div 29 = 44 \text{ remainder } 1$$

```

      44
29 | 1277
    116
    ---
     117
     116
     ---
      1 ← remainder

```

$$1277 \div 31 = 41 \text{ remainder } 6$$

| | |
|----|---------------|
| | 41 |
| 31 | 1277 |
| | 124 |
| | --- |
| | 37 |
| | 31 |
| | -- |
| | 6 ← remainder |

P₂₀₇ 1279

$$1279 \div 2 = 639 \text{ remainder } 1$$

$$\begin{array}{r} 639 \\ 2 \mid 1279 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1279 \div 3 = 426 \text{ remainder } 1$$

$$\begin{array}{r} 426 \\ 3 \mid 1279 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1279 \div 5 = 255 \text{ remainder } 4$$

$$\begin{array}{r} 255 \\ 5 \mid 1279 \\ \underline{10} \\ -- \\ 27 \\ \underline{25} \\ -- \\ 29 \\ \underline{25} \\ -- \end{array}$$

--
4 ← remainder

$$1279 \div 7 = 182 \text{ remainder } 5$$

182
7 | 1279
7
-
57
56
-
19
14
-
5 ← remainder

$$1279 \div 11 = 116 \text{ remainder } 3$$

116
11 | 1279
11
--
17
11
--
69
66
--
3 ← remainder

$$1279 \div 13 = 98 \text{ remainder } 5$$

98
13 | 1279
117

109
104

5 ← remainder

$$1279 \div 17 = 75 \text{ remainder } 4$$

$$\begin{array}{r}
 75 \\
 17 \mid 1279 \\
 119 \\
 --- \\
 89 \\
 85 \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1279 \div 19 = 67 \text{ remainder } 6$$

$$\begin{array}{r}
 67 \\
 19 \mid 1279 \\
 114 \\
 --- \\
 139 \\
 133 \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1279 \div 23 = 55 \text{ remainder } 14$$

$$\begin{array}{r}
 55 \\
 23 \mid 1279 \\
 115 \\
 --- \\
 129 \\
 115 \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1279 \div 29 = 44 \text{ remainder } 3$$

$$\begin{array}{r}
 44 \\
 29 \mid 1279 \\
 116 \\
 --- \\
 119 \\
 116 \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1279 \div 31 = 41 \text{ remainder } 8$$

| | |
|----|---------------|
| | 41 |
| 31 | 1279 |
| | 124 |
| | --- |
| | 39 |
| | 31 |
| | -- |
| | 8 ← remainder |

P₂₀₈ 1283

$$1283 \div 2 = 641 \text{ remainder } 1$$

$$\begin{array}{r} 641 \\ 2 \mid 1283 \\ \underline{12} \\ -- \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1283 \div 3 = 427 \text{ remainder } 2$$

$$\begin{array}{r} 427 \\ 3 \mid 1283 \\ \underline{12} \\ -- \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1283 \div 5 = 256 \text{ remainder } 3$$

$$\begin{array}{r} 256 \\ 5 \mid 1283 \\ \underline{10} \\ -- \\ 28 \\ \underline{25} \\ - \\ 33 \\ \underline{30} \\ -- \end{array}$$

--
3 ← remainder

$$1283 \div 7 = 183 \text{ remainder } 2$$

183
7 | 1283
7
-
58
56
--
23
21
--
2 ← remainder

$$1283 \div 11 = 116 \text{ remainder } 7$$

116
11 | 1283
11
--
18
11
--
73
66
--
7 ← remainder

$$1283 \div 13 = 98 \text{ remainder } 9$$

98
13 | 1283
117

113
104

9 ← remainder

$$1283 \div 17 = 75 \text{ remainder } 8$$

$$\begin{array}{r}
 75 \\
 17 \mid 1283 \\
 119 \\
 --- \\
 93 \\
 85 \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1283 \div 19 = 67 \text{ remainder } 10$$

$$\begin{array}{r}
 67 \\
 19 \mid 1283 \\
 114 \\
 --- \\
 143 \\
 133 \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1283 \div 23 = 55 \text{ remainder } 18$$

$$\begin{array}{r}
 55 \\
 23 \mid 1283 \\
 115 \\
 --- \\
 133 \\
 115 \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1283 \div 29 = 44 \text{ remainder } 7$$

$$\begin{array}{r}
 44 \\
 29 \mid 1283 \\
 116 \\
 --- \\
 123 \\
 116 \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1283 \div 31 = 41 \text{ remainder } 12$$

| | |
|----|----------------|
| | 41 |
| 31 | 1283 |
| | 124 |
| | --- |
| | 43 |
| | 31 |
| | -- |
| | 12 ← remainder |

P₂₀₉ 1289

$$1289 \div 2 = 644 \text{ remainder } 1$$

$$\begin{array}{r} 644 \\ 2 \mid 1289 \\ \underline{12} \\ 8 \\ \underline{8} \\ 9 \\ \underline{8} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1289 \div 3 = 429 \text{ remainder } 2$$

$$\begin{array}{r} 429 \\ 3 \mid 1289 \\ \underline{12} \\ 8 \\ \underline{6} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1289 \div 5 = 257 \text{ remainder } 4$$

$$\begin{array}{r} 257 \\ 5 \mid 1289 \\ \underline{10} \\ 28 \\ \underline{25} \\ 39 \\ \underline{35} \end{array}$$

--
4 ← remainder

$$1289 \div 7 = 184 \text{ remainder } 1$$

184
7 | 1289
7
-
58
56
--
29
28
--
1 ← remainder

$$1289 \div 11 = 117 \text{ remainder } 2$$

117
11 | 1289
11
--
18
11
--
79
77
--
2 ← remainder

$$1289 \div 13 = 99 \text{ remainder } 2$$

99
13 | 1289
117

119
117

2 ← remainder

$$1289 \div 17 = 75 \text{ remainder } 14$$

$$\begin{array}{r}
 75 \\
 17 \mid 1289 \\
 \underline{119} \\
 --- \\
 99 \\
 \underline{85} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1289 \div 19 = 67 \text{ remainder } 16$$

$$\begin{array}{r}
 67 \\
 19 \mid 1289 \\
 \underline{114} \\
 --- \\
 149 \\
 \underline{133} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1289 \div 23 = 56 \text{ remainder } 1$$

$$\begin{array}{r}
 56 \\
 23 \mid 1289 \\
 \underline{115} \\
 --- \\
 139 \\
 \underline{138} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1289 \div 29 = 44 \text{ remainder } 13$$

$$\begin{array}{r}
 44 \\
 29 \mid 1289 \\
 \underline{116} \\
 --- \\
 129 \\
 \underline{116} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1289 \div 31 = 41 \text{ remainder } 18$$

| | |
|----|----------------|
| | 41 |
| 31 | 1289 |
| | 124 |
| | --- |
| | 49 |
| | 31 |
| | -- |
| | 18 ← remainder |

P₂₁₀ 1291

$$1291 \div 2 = 645 \text{ remainder } 1$$

$$\begin{array}{r} 645 \\ 2 \mid 1291 \\ \underline{12} \\ 9 \\ \underline{8} \\ 11 \\ \underline{10} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1291 \div 3 = 430 \text{ remainder } 1$$

$$\begin{array}{r} 430 \\ 3 \mid 1291 \\ \underline{12} \\ 9 \\ \underline{9} \\ 1 \\ \underline{0} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1291 \div 5 = 258 \text{ remainder } 1$$

$$\begin{array}{r} 258 \\ 5 \mid 1291 \\ \underline{10} \\ 29 \\ \underline{25} \\ 41 \\ \underline{40} \\ 1 \end{array}$$

--
1 ← remainder

$$1291 \div 7 = 184 \text{ remainder } 3$$

184
7 | 1291
7
-
59
56
--
31
28
--
3 ← remainder

$$1291 \div 11 = 117 \text{ remainder } 4$$

117
11 | 1291
11
--
19
11
--
81
77
--
4 ← remainder

$$1291 \div 13 = 99 \text{ remainder } 4$$

99
13 | 1291
117

121
117

4 ← remainder

$$1291 \div 17 = 75 \text{ remainder } 16$$

$$\begin{array}{r}
 75 \\
 17 \mid 1291 \\
 \underline{119} \\
 --- \\
 101 \\
 \underline{85} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1291 \div 19 = 67 \text{ remainder } 18$$

$$\begin{array}{r}
 67 \\
 19 \mid 1291 \\
 \underline{114} \\
 --- \\
 151 \\
 \underline{133} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1291 \div 23 = 56 \text{ remainder } 3$$

$$\begin{array}{r}
 56 \\
 23 \mid 1291 \\
 \underline{115} \\
 --- \\
 141 \\
 \underline{138} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1291 \div 29 = 44 \text{ remainder } 15$$

$$\begin{array}{r}
 44 \\
 29 \mid 1291 \\
 \underline{116} \\
 --- \\
 131 \\
 \underline{116} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1291 \div 31 = 41 \text{ remainder } 20$$

```

      41
31 | 1291
    124
    ---
    51
    31
    --
    20 ← remainder

```

P₂₁₁ 1297

$$1297 \div 2 = 648 \text{ remainder } 1$$

$$\begin{array}{r} 648 \\ 2 \mid 1297 \\ \underline{12} \\ 9 \\ \underline{8} \\ 17 \\ \underline{16} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1297 \div 3 = 432 \text{ remainder } 1$$

$$\begin{array}{r} 432 \\ 3 \mid 1297 \\ \underline{12} \\ 9 \\ \underline{9} \\ 7 \\ \underline{6} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1297 \div 5 = 259 \text{ remainder } 2$$

$$\begin{array}{r} 259 \\ 5 \mid 1297 \\ \underline{10} \\ 29 \\ \underline{25} \\ 47 \\ \underline{45} \\ 2 \end{array}$$

--
2 ← remainder

$$1297 \div 7 = 185 \text{ remainder } 2$$

185
7 | 1297
7
-
59
56
--
37
35
--
2 ← remainder

$$1297 \div 11 = 117 \text{ remainder } 10$$

117
11 | 1297
11
--
19
11
--
87
77
--
10 ← remainder

$$1297 \div 13 = 99 \text{ remainder } 10$$

99
13 | 1297
117

127
117

10 ← remainder

$$1297 \div 17 = 76 \text{ remainder } 5$$

$$\begin{array}{r}
 76 \\
 17 \mid 1297 \\
 119 \\
 --- \\
 107 \\
 102 \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1297 \div 19 = 68 \text{ remainder } 5$$

$$\begin{array}{r}
 68 \\
 19 \mid 1297 \\
 114 \\
 --- \\
 157 \\
 152 \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1297 \div 23 = 56 \text{ remainder } 9$$

$$\begin{array}{r}
 56 \\
 23 \mid 1297 \\
 115 \\
 --- \\
 147 \\
 138 \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1297 \div 29 = 44 \text{ remainder } 21$$

$$\begin{array}{r}
 44 \\
 29 \mid 1297 \\
 116 \\
 --- \\
 137 \\
 116 \\
 --- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1297 \div 31 = 41 \text{ remainder } 26$$

| | |
|----|----------------|
| | 41 |
| 31 | 1297 |
| | 124 |
| | --- |
| | 57 |
| | 31 |
| | -- |
| | 26 ← remainder |

P₂₁₂ 1301

$$1301 \div 2 = 650 \text{ remainder } 1$$

$$\begin{array}{r} 650 \\ 2 \mid 1301 \\ 12 \\ \hline 10 \\ 10 \\ \hline 1 \\ 0 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1301 \div 3 = 433 \text{ remainder } 2$$

$$\begin{array}{r} 433 \\ 3 \mid 1301 \\ 12 \\ \hline 10 \\ 9 \\ \hline 11 \\ 9 \\ \hline 2 \leftarrow \text{remainder} \end{array}$$

$$1301 \div 5 = 260 \text{ remainder } 1$$

$$\begin{array}{r} 260 \\ 5 \mid 1301 \\ 10 \\ \hline 30 \\ 30 \\ \hline 1 \\ 0 \end{array}$$

-
1 ← remainder

$$1301 \div 7 = 185 \text{ remainder } 6$$

```
      185
7 | 1301
   7
   -
   60
   56
   --
   41
   35
   --
   6 ← remainder
```

$$1301 \div 11 = 118 \text{ remainder } 3$$

```
      118
11 | 1301
   11
   --
   20
   11
   --
   91
   88
   --
   3 ← remainder
```

$$1301 \div 13 = 100 \text{ remainder } 1$$

```
      100
13 | 1301
   13
   --
   0
   0
   -
   1
   0
   -
   1 ← remainder
```

$$1301 \div 17 = 76 \text{ remainder } 9$$

$$\begin{array}{r} 76 \\ 17 \overline{) 1301} \\ \underline{119} \\ 111 \\ \underline{102} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1301 \div 19 = 68 \text{ remainder } 9$$

$$\begin{array}{r} 68 \\ 19 \overline{) 1301} \\ \underline{114} \\ 161 \\ \underline{152} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1301 \div 23 = 56 \text{ remainder } 13$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1301} \\ \underline{115} \\ 151 \\ \underline{138} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1301 \div 29 = 44 \text{ remainder } 25$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1301} \\ \underline{116} \\ 141 \\ \underline{116} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$1301 \div 31 = 41 \text{ remainder } 30$$

$$\begin{array}{r} 41 \\ 31 \overline{) 1301} \\ \underline{124} \\ 61 \\ \underline{31} \\ 30 \leftarrow \text{remainder} \end{array}$$

P₂₁₃ 1303

$$1303 \div 2 = 651 \text{ remainder } 1$$

$$\begin{array}{r} 651 \\ 2 \mid 1303 \\ \underline{12} \\ -- \\ 10 \\ \underline{10} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1303 \div 3 = 434 \text{ remainder } 1$$

$$\begin{array}{r} 434 \\ 3 \mid 1303 \\ \underline{12} \\ -- \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1303 \div 5 = 260 \text{ remainder } 3$$

$$\begin{array}{r} 260 \\ 5 \mid 1303 \\ \underline{10} \\ -- \\ 30 \\ \underline{30} \\ -- \\ 3 \\ \underline{0} \\ 0 \end{array}$$

-
3 ← remainder

$$1303 \div 7 = 186 \text{ remainder } 1$$

186
7 | 1303
7
-
60
56
--
43
42
--
1 ← remainder

$$1303 \div 11 = 118 \text{ remainder } 5$$

118
11 | 1303
11
--
20
11
--
93
88
--
5 ← remainder

$$1303 \div 13 = 100 \text{ remainder } 3$$

100
13 | 1303
13
--
0
0
-
3
0
-
3 ← remainder

$$1303 \div 17 = 76 \text{ remainder } 11$$

$$\begin{array}{r} 76 \\ 17 \overline{) 1303} \\ \underline{119} \\ 113 \\ \underline{102} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1303 \div 19 = 68 \text{ remainder } 11$$

$$\begin{array}{r} 68 \\ 19 \overline{) 1303} \\ \underline{114} \\ 163 \\ \underline{152} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1303 \div 23 = 56 \text{ remainder } 15$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1303} \\ \underline{115} \\ 153 \\ \underline{138} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1303 \div 29 = 44 \text{ remainder } 27$$

$$\begin{array}{r} 44 \\ 29 \overline{) 1303} \\ \underline{116} \\ 143 \\ \underline{116} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$1303 \div 31 = 42 \text{ remainder } 1$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1303} \\ \underline{124} \\ 63 \\ \underline{62} \\ 1 \leftarrow \text{remainder} \end{array}$$

P₂₁₄ 1307

$$1307 \div 2 = 653 \text{ remainder } 1$$

$$\begin{array}{r} 653 \\ 2 \mid 1307 \\ \underline{12} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1307 \div 3 = 435 \text{ remainder } 2$$

$$\begin{array}{r} 435 \\ 3 \mid 1307 \\ \underline{12} \\ - - \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1307 \div 5 = 261 \text{ remainder } 2$$

$$\begin{array}{r} 261 \\ 5 \mid 1307 \\ \underline{10} \\ - - \\ 30 \\ \underline{30} \\ - - \\ 7 \\ \underline{5} \\ 2 \leftarrow \text{remainder} \end{array}$$

-
2 ← remainder

$1307 \div 7 = 186 \text{ remainder } 5$

186
7 | 1307
7
-
60
56
--
47
42
--
5 ← remainder

$1307 \div 11 = 118 \text{ remainder } 9$

118
11 | 1307
11
--
20
11
--
97
88
--
9 ← remainder

$1307 \div 13 = 100 \text{ remainder } 7$

100
13 | 1307
13
--
0
0
-
7
0
-
7 ← remainder

$$1307 \div 17 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 17 \overline{) 1307} \\ \underline{119} \\ 117 \\ \underline{102} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1307 \div 19 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 19 \overline{) 1307} \\ \underline{114} \\ 167 \\ \underline{152} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1307 \div 23 = 56 \text{ remainder } 19$$

$$\begin{array}{r} 56 \\ 23 \overline{) 1307} \\ \underline{115} \\ 157 \\ \underline{138} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$1307 \div 29 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 29 \overline{) 1307} \\ \underline{116} \\ 147 \\ \underline{145} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1307 \div 31 = 42 \text{ remainder } 5$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1307} \\ \underline{124} \\ 67 \\ \underline{62} \\ 5 \end{array}$$

5 ← remainder

P₂₁₅ 1319

$$1319 \div 2 = 659 \text{ remainder } 1$$

$$\begin{array}{r} 659 \\ 2 \mid 1319 \\ \underline{12} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1319 \div 3 = 439 \text{ remainder } 2$$

$$\begin{array}{r} 439 \\ 3 \mid 1319 \\ \underline{12} \\ -- \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1319 \div 5 = 263 \text{ remainder } 4$$

$$\begin{array}{r} 263 \\ 5 \mid 1319 \\ \underline{10} \\ -- \\ 31 \\ \underline{30} \\ -- \\ 19 \\ \underline{15} \end{array}$$

--
4 ← remainder

$$1319 \div 7 = 188 \text{ remainder } 3$$

188
7 | 1319
7
-
61
56
--
59
56
--
3 ← remainder

$$1319 \div 11 = 119 \text{ remainder } 10$$

119
11 | 1319
11
--
21
11
--
109
99
--
10 ← remainder

$$1319 \div 13 = 101 \text{ remainder } 6$$

101
13 | 1319
13
--
1
0
-
19
13
--
6 ← remainder

$$1319 \div 17 = 77 \text{ remainder } 10$$

$$\begin{array}{r} 77 \\ 17 \overline{) 1319} \\ \underline{119} \\ --- \\ 129 \\ \underline{119} \\ --- \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1319 \div 19 = 69 \text{ remainder } 8$$

$$\begin{array}{r} 69 \\ 19 \overline{) 1319} \\ \underline{114} \\ --- \\ 179 \\ \underline{171} \\ --- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$1319 \div 23 = 57 \text{ remainder } 8$$

$$\begin{array}{r} 57 \\ 23 \overline{) 1319} \\ \underline{115} \\ --- \\ 169 \\ \underline{161} \\ --- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$1319 \div 29 = 45 \text{ remainder } 14$$

$$\begin{array}{r} 45 \\ 29 \overline{) 1319} \\ \underline{116} \\ --- \\ 159 \\ \underline{145} \\ --- \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1319 \div 31 = 42 \text{ remainder } 17$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1319} \\ \underline{124} \\ 79 \\ \underline{62} \\ 17 \end{array} \leftarrow \text{remainder}$$

P₂₁₆ 1321

$$1321 \div 2 = 660 \text{ remainder } 1$$

$$\begin{array}{r} 660 \\ 2 \mid 1321 \\ \underline{12} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1321 \div 3 = 440 \text{ remainder } 1$$

$$\begin{array}{r} 440 \\ 3 \mid 1321 \\ \underline{12} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1321 \div 5 = 264 \text{ remainder } 1$$

$$\begin{array}{r} 264 \\ 5 \mid 1321 \\ \underline{10} \\ -- \\ 32 \\ \underline{30} \\ -- \\ 21 \\ \underline{20} \end{array}$$

--
1 ← remainder

$$1321 \div 7 = 188 \text{ remainder } 5$$

188
7 | 1321
7
-
62
56
--
61
56
--
5 ← remainder

$$1321 \div 11 = 120 \text{ remainder } 1$$

120
11 | 1321
11
--
22
22
--
1
0
-
1 ← remainder

$$1321 \div 13 = 101 \text{ remainder } 8$$

101
13 | 1321
13
--
2
0
-
21
13
--
8 ← remainder

$$1321 \div 17 = 77 \text{ remainder } 12$$

$$\begin{array}{r}
 77 \\
 17 \overline{) 1321} \\
 \underline{119} \\
 131 \\
 \underline{119} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1321 \div 19 = 69 \text{ remainder } 10$$

$$\begin{array}{r}
 69 \\
 19 \overline{) 1321} \\
 \underline{114} \\
 181 \\
 \underline{171} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1321 \div 23 = 57 \text{ remainder } 10$$

$$\begin{array}{r}
 57 \\
 23 \overline{) 1321} \\
 \underline{115} \\
 171 \\
 \underline{161} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1321 \div 29 = 45 \text{ remainder } 16$$

$$\begin{array}{r}
 45 \\
 29 \overline{) 1321} \\
 \underline{116} \\
 161 \\
 \underline{145} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1321 \div 31 = 42 \text{ remainder } 19$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1321} \\ \underline{124} \\ 81 \\ \underline{62} \\ 19 \leftarrow \text{remainder} \end{array}$$

P₂₁₇ 1327

$$1327 \div 2 = 663 \text{ remainder } 1$$

$$\begin{array}{r} 663 \\ 2 \mid 1327 \\ \underline{12} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1327 \div 3 = 442 \text{ remainder } 1$$

$$\begin{array}{r} 442 \\ 3 \mid 1327 \\ \underline{12} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1327 \div 5 = 265 \text{ remainder } 2$$

$$\begin{array}{r} 265 \\ 5 \mid 1327 \\ \underline{10} \\ -- \\ 32 \\ \underline{30} \\ -- \\ 27 \\ \underline{25} \\ -- \end{array}$$

--
2 ← remainder

$$1327 \div 7 = 189 \text{ remainder } 4$$

189
7 | 1327
7
-
62
56
--
67
63
--
4 ← remainder

$$1327 \div 11 = 120 \text{ remainder } 7$$

120
11 | 1327
11
--
22
22
--
7
0
-
7 ← remainder

$$1327 \div 13 = 102 \text{ remainder } 1$$

102
13 | 1327
13
--
2
0
-
27
26
--
1 ← remainder

$$1327 \div 17 = 78 \text{ remainder } 1$$

$$\begin{array}{r}
 78 \\
 17 \mid 1327 \\
 \underline{119} \\
 137 \\
 \underline{136} \\
 1 \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1327 \div 19 = 69 \text{ remainder } 16$$

$$\begin{array}{r}
 69 \\
 19 \mid 1327 \\
 \underline{114} \\
 187 \\
 \underline{171} \\
 16 \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1327 \div 23 = 57 \text{ remainder } 16$$

$$\begin{array}{r}
 57 \\
 23 \mid 1327 \\
 \underline{115} \\
 177 \\
 \underline{161} \\
 16 \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1327 \div 29 = 45 \text{ remainder } 22$$

$$\begin{array}{r}
 45 \\
 29 \mid 1327 \\
 \underline{116} \\
 167 \\
 \underline{145} \\
 22 \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$1327 \div 31 = 42 \text{ remainder } 25$$

$$\begin{array}{r} 42 \\ 31 \overline{) 1327} \\ \underline{124} \\ 87 \\ \underline{62} \\ 25 \leftarrow \text{remainder} \end{array}$$

P₂₁₈ 1361

$$1361 \div 2 = 680 \text{ remainder } 1$$

$$\begin{array}{r} 680 \\ 2 \mid 1361 \\ \underline{12} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1361 \div 3 = 453 \text{ remainder } 2$$

$$\begin{array}{r} 453 \\ 3 \mid 1361 \\ \underline{12} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1361 \div 5 = 272 \text{ remainder } 1$$

$$\begin{array}{r} 272 \\ 5 \mid 1361 \\ \underline{10} \\ - - \\ 36 \\ \underline{35} \\ - - \\ 11 \\ \underline{10} \end{array}$$

--
1 ← remainder

$$1361 \div 7 = 194 \text{ remainder } 3$$

194
7 | 1361
7
-
66
63
--
31
28
--
3 ← remainder

$$1361 \div 11 = 123 \text{ remainder } 8$$

123
11 | 1361
11
--
26
22
--
41
33
--
8 ← remainder

$$1361 \div 13 = 104 \text{ remainder } 9$$

104
13 | 1361
13
--
6
0
-
61
52
--
9 ← remainder

$$1361 \div 17 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 17 \mid 1361 \\ \underline{136} \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1361 \div 19 = 71 \text{ remainder } 12$$

$$\begin{array}{r} 71 \\ 19 \mid 1361 \\ \underline{133} \\ 31 \\ \underline{19} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$1361 \div 23 = 59 \text{ remainder } 4$$

$$\begin{array}{r} 59 \\ 23 \mid 1361 \\ \underline{115} \\ 211 \\ \underline{207} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1361 \div 29 = 46 \text{ remainder } 27$$

$$\begin{array}{r} 46 \\ 29 \mid 1361 \\ \underline{116} \\ 201 \\ \underline{174} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$1361 \div 31 = 43 \text{ remainder } 28$$

$$\begin{array}{r} 43 \\ 31 \overline{) 1361} \\ \underline{124} \\ 121 \\ \underline{93} \\ 28 \leftarrow \text{remainder} \end{array}$$

P₂₁₉ 1367

$$1367 \div 2 = 683 \text{ remainder } 1$$

$$\begin{array}{r} 683 \\ 2 \mid 1367 \\ \underline{12} \\ -- \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1367 \div 3 = 455 \text{ remainder } 2$$

$$\begin{array}{r} 455 \\ 3 \mid 1367 \\ \underline{12} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1367 \div 5 = 273 \text{ remainder } 2$$

$$\begin{array}{r} 273 \\ 5 \mid 1367 \\ \underline{10} \\ -- \\ 36 \\ \underline{35} \\ -- \\ 17 \\ \underline{15} \\ -- \end{array}$$

--
2 ← remainder

$$1367 \div 7 = 195 \text{ remainder } 2$$

195
7 | 1367
7
-
66
63
--
37
35
--
2 ← remainder

$$1367 \div 11 = 124 \text{ remainder } 3$$

124
11 | 1367
11
--
26
22
--
47
44
--
3 ← remainder

$$1367 \div 13 = 105 \text{ remainder } 2$$

105
13 | 1367
13
--
6
0
-
67
65
--
2 ← remainder

$$1367 \div 17 = 80 \text{ remainder } 7$$

$$\begin{array}{r} 80 \\ 17 \overline{) 1367} \\ \underline{136} \\ 7 \\ 0 \\ - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$1367 \div 19 = 71 \text{ remainder } 18$$

$$\begin{array}{r} 71 \\ 19 \overline{) 1367} \\ \underline{133} \\ 37 \\ 19 \\ - \\ 18 \leftarrow \text{remainder} \end{array}$$

$$1367 \div 23 = 59 \text{ remainder } 10$$

$$\begin{array}{r} 59 \\ 23 \overline{) 1367} \\ \underline{115} \\ 217 \\ 207 \\ - \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1367 \div 29 = 47 \text{ remainder } 4$$

$$\begin{array}{r} 47 \\ 29 \overline{) 1367} \\ \underline{116} \\ 207 \\ 203 \\ - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1367 \div 31 = 44 \text{ remainder } 3$$

$$\begin{array}{r} 44 \\ 31 \overline{) 1367} \\ \underline{124} \\ 127 \\ \underline{124} \\ 3 \leftarrow \text{remainder} \end{array}$$

P₂₂₀ 1373

$$1373 \div 2 = 686 \text{ remainder } 1$$

$$\begin{array}{r} 686 \\ 2 \mid 1373 \\ \underline{12} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1373 \div 3 = 457 \text{ remainder } 2$$

$$\begin{array}{r} 457 \\ 3 \mid 1373 \\ \underline{12} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1373 \div 5 = 274 \text{ remainder } 3$$

$$\begin{array}{r} 274 \\ 5 \mid 1373 \\ \underline{10} \\ -- \\ 37 \\ \underline{35} \\ -- \\ 23 \\ \underline{20} \\ -- \end{array}$$

--
3 ← remainder

$$1373 \div 7 = 196 \text{ remainder } 1$$

196
7 | 1373
7
-
67
63
--
43
42
--
1 ← remainder

$$1373 \div 11 = 124 \text{ remainder } 9$$

124
11 | 1373
11
--
27
22
--
53
44
--
9 ← remainder

$$1373 \div 13 = 105 \text{ remainder } 8$$

105
13 | 1373
13
--
7
0
-
73
65
--
8 ← remainder

$$1373 \div 17 = 80 \text{ remainder } 13$$

$$\begin{array}{r}
 80 \\
 17 \mid 1373 \\
 \underline{136} \\
 13 \\
 \underline{0} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1373 \div 19 = 72 \text{ remainder } 5$$

$$\begin{array}{r}
 72 \\
 19 \mid 1373 \\
 \underline{133} \\
 43 \\
 \underline{38} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1373 \div 23 = 59 \text{ remainder } 16$$

$$\begin{array}{r}
 59 \\
 23 \mid 1373 \\
 \underline{115} \\
 223 \\
 \underline{207} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1373 \div 29 = 47 \text{ remainder } 10$$

$$\begin{array}{r}
 47 \\
 29 \mid 1373 \\
 \underline{116} \\
 213 \\
 \underline{203} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1373 \div 31 = 44 \text{ remainder } 9$$

$$\begin{array}{r} 44 \\ 31 \overline{) 1373} \\ \underline{124} \\ 133 \\ \underline{124} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1373 \div 37 = 37 \text{ remainder } 4$$

$$\begin{array}{r} 37 \\ 37 \overline{) 1373} \\ \underline{111} \\ 263 \\ \underline{259} \\ 4 \leftarrow \text{remainder} \end{array}$$

P₂₂₁ 1381

$$1381 \div 2 = 690 \text{ remainder } 1$$

$$\begin{array}{r} 690 \\ 2 \mid 1381 \\ \underline{12} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1381 \div 3 = 460 \text{ remainder } 1$$

$$\begin{array}{r} 460 \\ 3 \mid 1381 \\ \underline{12} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1381 \div 5 = 276 \text{ remainder } 1$$

$$\begin{array}{r} 276 \\ 5 \mid 1381 \\ \underline{10} \\ - - \\ 38 \\ \underline{35} \\ - - \\ 31 \\ \underline{30} \end{array}$$

--
1 ← remainder

$$1381 \div 7 = 197 \text{ remainder } 2$$

197
7 | 1381
7
-
68
63
--
51
49
--
2 ← remainder

$$1381 \div 11 = 125 \text{ remainder } 6$$

125
11 | 1381
11
--
28
22
--
61
55
--
6 ← remainder

$$1381 \div 13 = 106 \text{ remainder } 3$$

106
13 | 1381
13
--
8
0
-
81
78
--
3 ← remainder

$$1381 \div 17 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 17 \overline{) 1381} \\ \underline{136} \\ 21 \\ \underline{17} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1381 \div 19 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 19 \overline{) 1381} \\ \underline{133} \\ 51 \\ \underline{38} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1381 \div 23 = 60 \text{ remainder } 1$$

$$\begin{array}{r} 60 \\ 23 \overline{) 1381} \\ \underline{138} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1381 \div 29 = 47 \text{ remainder } 18$$

$$\begin{array}{r} 47 \\ 29 \overline{) 1381} \\ \underline{116} \\ 221 \\ \underline{203} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$1381 \div 31 = 44 \text{ remainder } 17$$

$$\begin{array}{r} 44 \\ 31 \overline{) 1381} \\ \underline{124} \\ 141 \\ \underline{124} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$1381 \div 37 = 37 \text{ remainder } 12$$

$$\begin{array}{r} 37 \\ 37 \overline{) 1381} \\ \underline{111} \\ 271 \\ \underline{259} \\ 12 \end{array} \leftarrow \text{remainder}$$

P₂₂₂ 1399

$$1399 \div 2 = 699 \text{ remainder } 1$$

$$\begin{array}{r} 699 \\ 2 \mid 1399 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1399 \div 3 = 466 \text{ remainder } 1$$

$$\begin{array}{r} 466 \\ 3 \mid 1399 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1399 \div 5 = 279 \text{ remainder } 4$$

$$\begin{array}{r} 279 \\ 5 \mid 1399 \\ \underline{10} \\ -- \\ 39 \\ \underline{35} \\ -- \\ 49 \\ \underline{45} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

--
4 ← remainder

$$1399 \div 7 = 199 \text{ remainder } 6$$

199
7 | 1399
7
-
69
63
--
69
63
--
6 ← remainder

$$1399 \div 11 = 127 \text{ remainder } 2$$

127
11 | 1399
11
--
29
22
--
79
77
--
2 ← remainder

$$1399 \div 13 = 107 \text{ remainder } 8$$

107
13 | 1399
13
--
9
0
-
99
91
--
8 ← remainder

$$1399 \div 17 = 82 \text{ remainder } 5$$

$$\begin{array}{r}
 82 \\
 17 \mid 1399 \\
 \underline{136} \\
 39 \\
 \underline{34} \\
 5 \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1399 \div 19 = 73 \text{ remainder } 12$$

$$\begin{array}{r}
 73 \\
 19 \mid 1399 \\
 \underline{133} \\
 69 \\
 \underline{57} \\
 12 \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1399 \div 23 = 60 \text{ remainder } 19$$

$$\begin{array}{r}
 60 \\
 23 \mid 1399 \\
 \underline{138} \\
 19 \\
 \underline{0} \\
 19 \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$1399 \div 29 = 48 \text{ remainder } 7$$

$$\begin{array}{r}
 48 \\
 29 \mid 1399 \\
 \underline{116} \\
 239 \\
 \underline{232} \\
 7 \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1399 \div 31 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 31 \overline{) 1399} \\ \underline{124} \\ 159 \\ \underline{155} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1399 \div 37 = 37 \text{ remainder } 30$$

$$\begin{array}{r} 37 \\ 37 \overline{) 1399} \\ \underline{111} \\ 289 \\ \underline{259} \\ 30 \leftarrow \text{remainder} \end{array}$$

P₂₂₃ 1409

$$1409 \div 2 = 704 \text{ remainder } 1$$

$$\begin{array}{r} 704 \\ 2 \mid 1409 \\ \underline{14} \\ 0 \\ 0 \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1409 \div 3 = 469 \text{ remainder } 2$$

$$\begin{array}{r} 469 \\ 3 \mid 1409 \\ \underline{12} \\ - \\ 20 \\ \underline{18} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1409 \div 5 = 281 \text{ remainder } 4$$

$$\begin{array}{r} 281 \\ 5 \mid 1409 \\ \underline{10} \\ - \\ 40 \\ \underline{40} \\ - \\ 9 \\ \underline{5} \\ 4 \leftarrow \text{remainder} \end{array}$$

-
4 ← remainder

$$1409 \div 7 = 201 \text{ remainder } 2$$

```
    201
7 | 1409
   14
   --
    0
    0
    -
    9
    7
    -
    2 ← remainder
```

$$1409 \div 11 = 128 \text{ remainder } 1$$

```
    128
11 | 1409
   11
   --
   30
   22
   --
   89
   88
   --
   1 ← remainder
```

$$1409 \div 13 = 108 \text{ remainder } 5$$

```
    108
13 | 1409
   13
   --
   10
    0
    -
   109
   104
   ---
    5 ← remainder
```

$$1409 \div 17 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 17 \overline{) 1409} \\ \underline{136} \\ 49 \\ \underline{34} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1409 \div 19 = 74 \text{ remainder } 3$$

$$\begin{array}{r} 74 \\ 19 \overline{) 1409} \\ \underline{133} \\ 79 \\ \underline{76} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1409 \div 23 = 61 \text{ remainder } 6$$

$$\begin{array}{r} 61 \\ 23 \overline{) 1409} \\ \underline{138} \\ 29 \\ \underline{23} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$1409 \div 29 = 48 \text{ remainder } 17$$

$$\begin{array}{r} 48 \\ 29 \overline{) 1409} \\ \underline{116} \\ 249 \\ \underline{232} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$1409 \div 31 = 45 \text{ remainder } 14$$

$$\begin{array}{r} 45 \\ 31 \overline{) 1409} \\ \underline{124} \\ 169 \\ \underline{155} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1409 \div 37 = 38 \text{ remainder } 3$$

$$\begin{array}{r} 38 \\ 37 \overline{) 1409} \\ \underline{111} \\ 299 \\ \underline{296} \\ 3 \leftarrow \text{remainder} \end{array}$$

P₂₂₄ 1423

$$1423 \div 2 = 711 \text{ remainder } 1$$

$$\begin{array}{r} 711 \\ 2 \mid 1423 \\ \underline{14} \\ -- \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1423 \div 3 = 474 \text{ remainder } 1$$

$$\begin{array}{r} 474 \\ 3 \mid 1423 \\ \underline{12} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1423 \div 5 = 284 \text{ remainder } 3$$

$$\begin{array}{r} 284 \\ 5 \mid 1423 \\ \underline{10} \\ -- \\ 42 \\ \underline{40} \\ -- \\ 23 \\ \underline{20} \\ -- \end{array}$$

--
3 ← remainder

$$1423 \div 7 = 203 \text{ remainder } 2$$

203
7 | 1423
14
--
2
0
-
23
21
--
2 ← remainder

$$1423 \div 11 = 129 \text{ remainder } 4$$

129
11 | 1423
11
--
32
22
--
103
99
--
4 ← remainder

$$1423 \div 13 = 109 \text{ remainder } 6$$

109
13 | 1423
13
--
12
0
-
123
117

6 ← remainder

$$1423 \div 17 = 83 \text{ remainder } 12$$

$$\begin{array}{r}
 83 \\
 17 \mid 1423 \\
 \underline{136} \\
 63 \\
 \underline{51} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1423 \div 19 = 74 \text{ remainder } 17$$

$$\begin{array}{r}
 74 \\
 19 \mid 1423 \\
 \underline{133} \\
 93 \\
 \underline{76} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$1423 \div 23 = 61 \text{ remainder } 20$$

$$\begin{array}{r}
 61 \\
 23 \mid 1423 \\
 \underline{138} \\
 43 \\
 \underline{23} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$1423 \div 29 = 49 \text{ remainder } 2$$

$$\begin{array}{r}
 49 \\
 29 \mid 1423 \\
 \underline{116} \\
 263 \\
 \underline{261} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1423 \div 31 = 45 \text{ remainder } 28$$

$$\begin{array}{r} 45 \\ 31 \overline{) 1423} \\ \underline{124} \\ 183 \\ \underline{155} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$1423 \div 37 = 38 \text{ remainder } 17$$

$$\begin{array}{r} 38 \\ 37 \overline{) 1423} \\ \underline{111} \\ 313 \\ \underline{296} \\ 17 \leftarrow \text{remainder} \end{array}$$

P₂₂₅ 1427

$$1427 \div 2 = 713 \text{ remainder } 1$$

$$\begin{array}{r} 713 \\ 2 \mid 1427 \\ \underline{14} \\ -- \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1427 \div 3 = 475 \text{ remainder } 2$$

$$\begin{array}{r} 475 \\ 3 \mid 1427 \\ \underline{12} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1427 \div 5 = 285 \text{ remainder } 2$$

$$\begin{array}{r} 285 \\ 5 \mid 1427 \\ \underline{10} \\ -- \\ 42 \\ \underline{40} \\ -- \\ 27 \\ \underline{25} \\ -- \end{array}$$

--
2 ← remainder

$$1427 \div 7 = 203 \text{ remainder } 6$$

203
7 | 1427
14
--
2
0
-
27
21
--
6 ← remainder

$$1427 \div 11 = 129 \text{ remainder } 8$$

129
11 | 1427
11
--
32
22
--
107
99
--
8 ← remainder

$$1427 \div 13 = 109 \text{ remainder } 10$$

109
13 | 1427
13
--
12
0
-
127
117

10 ← remainder

$$1427 \div 17 = 83 \text{ remainder } 16$$

$$\begin{array}{r} 83 \\ 17 \overline{) 1427} \\ \underline{136} \\ 67 \\ \underline{51} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$1427 \div 19 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 19 \overline{) 1427} \\ \underline{133} \\ 97 \\ \underline{95} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1427 \div 23 = 62 \text{ remainder } 1$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1427} \\ \underline{138} \\ 47 \\ \underline{46} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1427 \div 29 = 49 \text{ remainder } 6$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1427} \\ \underline{116} \\ 267 \\ \underline{261} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$1427 \div 31 = 46 \text{ remainder } 1$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1427} \\ \underline{124} \\ 187 \\ \underline{186} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1427 \div 37 = 38 \text{ remainder } 21$$

$$\begin{array}{r} 38 \\ 37 \overline{) 1427} \\ \underline{111} \\ 317 \\ \underline{296} \\ 21 \leftarrow \text{remainder} \end{array}$$

P₂₂₆ 1429

$$1429 \div 2 = 714 \text{ remainder } 1$$

$$\begin{array}{r} 714 \\ 2 \mid 1429 \\ \underline{14} \\ -- \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1429 \div 3 = 476 \text{ remainder } 1$$

$$\begin{array}{r} 476 \\ 3 \mid 1429 \\ \underline{12} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1429 \div 5 = 285 \text{ remainder } 4$$

$$\begin{array}{r} 285 \\ 5 \mid 1429 \\ \underline{10} \\ -- \\ 42 \\ \underline{40} \\ -- \\ 29 \\ \underline{25} \\ -- \end{array}$$

--
4 ← remainder

$$1429 \div 7 = 204 \text{ remainder } 1$$

204
7 | 1429
14
--
2
0
-
29
28
--
1 ← remainder

$$1429 \div 11 = 129 \text{ remainder } 10$$

129
11 | 1429
11
--
32
22
--
109
99
--
10 ← remainder

$$1429 \div 13 = 109 \text{ remainder } 12$$

109
13 | 1429
13
--
12
0
-
129
117

12 ← remainder

$$1429 \div 17 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 17 \overline{) 1429} \\ \underline{136} \\ 69 \\ \underline{68} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1429 \div 19 = 75 \text{ remainder } 4$$

$$\begin{array}{r} 75 \\ 19 \overline{) 1429} \\ \underline{133} \\ 99 \\ \underline{95} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1429 \div 23 = 62 \text{ remainder } 3$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1429} \\ \underline{138} \\ 49 \\ \underline{46} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1429 \div 29 = 49 \text{ remainder } 8$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1429} \\ \underline{116} \\ 269 \\ \underline{261} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$1429 \div 31 = 46 \text{ remainder } 3$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1429} \\ \underline{124} \\ 189 \\ \underline{186} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1429 \div 37 = 38 \text{ remainder } 23$$

$$\begin{array}{r} 38 \\ 37 \overline{) 1429} \\ \underline{111} \\ 319 \\ \underline{296} \\ 23 \leftarrow \text{remainder} \end{array}$$

P₂₂₇ 1433

$$1433 \div 2 = 716 \text{ remainder } 1$$

$$\begin{array}{r} 716 \\ 2 \mid 1433 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1433 \div 3 = 477 \text{ remainder } 2$$

$$\begin{array}{r} 477 \\ 3 \mid 1433 \\ \underline{12} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1433 \div 5 = 286 \text{ remainder } 3$$

$$\begin{array}{r} 286 \\ 5 \mid 1433 \\ \underline{10} \\ -- \\ 43 \\ \underline{40} \\ -- \\ 33 \\ \underline{30} \\ -- \end{array}$$

--
3 ← remainder

$$1433 \div 7 = 204 \text{ remainder } 5$$

204
7 | 1433
14
--
3
0
-
33
28
--
5 ← remainder

$$1433 \div 11 = 130 \text{ remainder } 3$$

130
11 | 1433
11
--
33
33
--
3
0
-
3 ← remainder

$$1433 \div 13 = 110 \text{ remainder } 3$$

110
13 | 1433
13
--
13
13
--
3
0
-
3 ← remainder

$$1433 \div 17 = 84 \text{ remainder } 5$$

$$\begin{array}{r}
 84 \\
 17 \mid 1433 \\
 \underline{136} \\
 73 \\
 \underline{68} \\
 5 \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1433 \div 19 = 75 \text{ remainder } 8$$

$$\begin{array}{r}
 75 \\
 19 \mid 1433 \\
 \underline{133} \\
 103 \\
 \underline{95} \\
 8 \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1433 \div 23 = 62 \text{ remainder } 7$$

$$\begin{array}{r}
 62 \\
 23 \mid 1433 \\
 \underline{138} \\
 53 \\
 \underline{46} \\
 7 \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1433 \div 29 = 49 \text{ remainder } 12$$

$$\begin{array}{r}
 49 \\
 29 \mid 1433 \\
 \underline{116} \\
 273 \\
 \underline{261} \\
 12 \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1433 \div 31 = 46 \text{ remainder } 7$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1433} \\ \underline{124} \\ 193 \\ \underline{186} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$1433 \div 37 = 38 \text{ remainder } 27$$

$$\begin{array}{r} 38 \\ 37 \overline{) 1433} \\ \underline{111} \\ 323 \\ \underline{296} \\ 27 \leftarrow \text{remainder} \end{array}$$

P₂₂₈ 1439

$$1439 \div 2 = 719 \text{ remainder } 1$$

$$\begin{array}{r} 719 \\ 2 \mid 1439 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1439 \div 3 = 479 \text{ remainder } 2$$

$$\begin{array}{r} 479 \\ 3 \mid 1439 \\ \underline{12} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1439 \div 5 = 287 \text{ remainder } 4$$

$$\begin{array}{r} 287 \\ 5 \mid 1439 \\ \underline{10} \\ -- \\ 43 \\ \underline{40} \\ -- \\ 39 \\ \underline{35} \\ -- \end{array}$$

--
4 ← remainder

$$1439 \div 7 = 205 \text{ remainder } 4$$

205
7 | 1439
14
--
3
0
-
39
35
--
4 ← remainder

$$1439 \div 11 = 130 \text{ remainder } 9$$

130
11 | 1439
11
--
33
33
--
9
0
-
9 ← remainder

$$1439 \div 13 = 110 \text{ remainder } 9$$

110
13 | 1439
13
--
13
13
--
9
0
-
9 ← remainder

$$1439 \div 17 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 17 \overline{) 1439} \\ \underline{136} \\ 79 \\ \underline{68} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1439 \div 19 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 19 \overline{) 1439} \\ \underline{133} \\ 109 \\ \underline{95} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1439 \div 23 = 62 \text{ remainder } 13$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1439} \\ \underline{138} \\ 59 \\ \underline{46} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1439 \div 29 = 49 \text{ remainder } 18$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1439} \\ \underline{116} \\ 279 \\ \underline{261} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$1439 \div 31 = 46 \text{ remainder } 13$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1439} \\ \underline{124} \\ 199 \\ \underline{186} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1439 \div 37 = 38 \text{ remainder } 33$$

$$\begin{array}{r} 38 \\ 37 \overline{) 1439} \\ \underline{111} \\ 329 \\ \underline{296} \\ 33 \leftarrow \text{remainder} \end{array}$$

P₂₂₉ 1447

$$1447 \div 2 = 723 \text{ remainder } 1$$

$$\begin{array}{r} 723 \\ 2 \mid 1447 \\ \underline{14} \\ - - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1447 \div 3 = 482 \text{ remainder } 1$$

$$\begin{array}{r} 482 \\ 3 \mid 1447 \\ \underline{12} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1447 \div 5 = 289 \text{ remainder } 2$$

$$\begin{array}{r} 289 \\ 5 \mid 1447 \\ \underline{10} \\ - - \\ 44 \\ \underline{40} \\ - - \\ 47 \\ \underline{45} \end{array}$$

--
2 ← remainder

$$1447 \div 7 = 206 \text{ remainder } 5$$

206
7 | 1447
14
--
4
0
-
47
42
--
5 ← remainder

$$1447 \div 11 = 131 \text{ remainder } 6$$

131
11 | 1447
11
--
34
33
--
17
11
--
6 ← remainder

$$1447 \div 13 = 111 \text{ remainder } 4$$

111
13 | 1447
13
--
14
13
--
17
13
--
4 ← remainder

$$1447 \div 17 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 17 \overline{) 1447} \\ \underline{136} \\ 87 \\ \underline{85} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1447 \div 19 = 76 \text{ remainder } 3$$

$$\begin{array}{r} 76 \\ 19 \overline{) 1447} \\ \underline{133} \\ 117 \\ \underline{114} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1447 \div 23 = 62 \text{ remainder } 21$$

$$\begin{array}{r} 62 \\ 23 \overline{) 1447} \\ \underline{138} \\ 67 \\ \underline{46} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$1447 \div 29 = 49 \text{ remainder } 26$$

$$\begin{array}{r} 49 \\ 29 \overline{) 1447} \\ \underline{116} \\ 287 \\ \underline{261} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$1447 \div 31 = 46 \text{ remainder } 21$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1447} \\ \underline{124} \\ 207 \\ \underline{186} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$1447 \div 37 = 39 \text{ remainder } 4$$

$$\begin{array}{r} 39 \\ 37 \overline{) 1447} \\ \underline{111} \\ 337 \\ \underline{333} \\ 4 \leftarrow \text{remainder} \end{array}$$

P₂₃₀ 1451

$$1451 \div 2 = 725 \text{ remainder } 1$$

$$\begin{array}{r} 725 \\ 2 \mid 1451 \\ \underline{14} \\ - - \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1451 \div 3 = 483 \text{ remainder } 2$$

$$\begin{array}{r} 483 \\ 3 \mid 1451 \\ \underline{12} \\ - - \\ 25 \\ \underline{24} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1451 \div 5 = 290 \text{ remainder } 1$$

$$\begin{array}{r} 290 \\ 5 \mid 1451 \\ \underline{10} \\ - - \\ 45 \\ \underline{45} \\ - - \\ 1 \\ \underline{0} \end{array}$$

-
1 ← remainder

$$1451 \div 7 = 207 \text{ remainder } 2$$

207
7 | 1451
14
--
5
0
-
51
49
--
2 ← remainder

$$1451 \div 11 = 131 \text{ remainder } 10$$

131
11 | 1451
11
--
35
33
--
21
11
--
10 ← remainder

$$1451 \div 13 = 111 \text{ remainder } 8$$

111
13 | 1451
13
--
15
13
--
21
13
--
8 ← remainder

$$1451 \div 17 = 85 \text{ remainder } 6$$

$$\begin{array}{r}
 85 \\
 17 \mid 1451 \\
 \underline{136} \\
 91 \\
 \underline{85} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1451 \div 19 = 76 \text{ remainder } 7$$

$$\begin{array}{r}
 76 \\
 19 \mid 1451 \\
 \underline{133} \\
 121 \\
 \underline{114} \\
 7 \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1451 \div 23 = 63 \text{ remainder } 2$$

$$\begin{array}{r}
 63 \\
 23 \mid 1451 \\
 \underline{138} \\
 71 \\
 \underline{69} \\
 2 \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1451 \div 29 = 50 \text{ remainder } 1$$

$$\begin{array}{r}
 50 \\
 29 \mid 1451 \\
 \underline{145} \\
 1 \\
 \underline{0} \\
 1 \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1451 \div 31 = 46 \text{ remainder } 25$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1451} \\ \underline{124} \\ 211 \\ \underline{186} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$1451 \div 37 = 39 \text{ remainder } 8$$

$$\begin{array}{r} 39 \\ 37 \overline{) 1451} \\ \underline{111} \\ 341 \\ \underline{333} \\ 8 \leftarrow \text{remainder} \end{array}$$

P₂₃₁ 1453

$$1453 \div 2 = 726 \text{ remainder } 1$$

$$\begin{array}{r} 726 \\ 2 \mid 1453 \\ \underline{14} \\ -- \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1453 \div 3 = 484 \text{ remainder } 1$$

$$\begin{array}{r} 484 \\ 3 \mid 1453 \\ \underline{12} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1453 \div 5 = 290 \text{ remainder } 3$$

$$\begin{array}{r} 290 \\ 5 \mid 1453 \\ \underline{10} \\ -- \\ 45 \\ \underline{45} \\ -- \\ 3 \\ \underline{0} \end{array}$$

-
3 ← remainder

$$1453 \div 7 = 207 \text{ remainder } 4$$

207
7 | 1453
14
--
5
0
-
53
49
--
4 ← remainder

$$1453 \div 11 = 132 \text{ remainder } 1$$

132
11 | 1453
11
--
35
33
--
23
22
--
1 ← remainder

$$1453 \div 13 = 111 \text{ remainder } 10$$

111
13 | 1453
13
--
15
13
--
23
13
--
10 ← remainder

$$1453 \div 17 = 85 \text{ remainder } 8$$

$$\begin{array}{r}
 85 \\
 17 \mid 1453 \\
 \underline{136} \\
 93 \\
 \underline{85} \\
 8 \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1453 \div 19 = 76 \text{ remainder } 9$$

$$\begin{array}{r}
 76 \\
 19 \mid 1453 \\
 \underline{133} \\
 123 \\
 \underline{114} \\
 9 \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1453 \div 23 = 63 \text{ remainder } 4$$

$$\begin{array}{r}
 63 \\
 23 \mid 1453 \\
 \underline{138} \\
 73 \\
 \underline{69} \\
 4 \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1453 \div 29 = 50 \text{ remainder } 3$$

$$\begin{array}{r}
 50 \\
 29 \mid 1453 \\
 \underline{145} \\
 3 \\
 0 \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1453 \div 31 = 46 \text{ remainder } 27$$

$$\begin{array}{r} 46 \\ 31 \overline{) 1453} \\ \underline{124} \\ 213 \\ \underline{186} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$1453 \div 37 = 39 \text{ remainder } 10$$

$$\begin{array}{r} 39 \\ 37 \overline{) 1453} \\ \underline{111} \\ 343 \\ \underline{333} \\ 10 \leftarrow \text{remainder} \end{array}$$

P₂₃₂ 1459

$$1459 \div 2 = 729 \text{ remainder } 1$$

$$\begin{array}{r} 729 \\ 2 \mid 1459 \\ \underline{14} \\ - - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1459 \div 3 = 486 \text{ remainder } 1$$

$$\begin{array}{r} 486 \\ 3 \mid 1459 \\ \underline{12} \\ - - \\ 25 \\ \underline{24} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1459 \div 5 = 291 \text{ remainder } 4$$

$$\begin{array}{r} 291 \\ 5 \mid 1459 \\ \underline{10} \\ - - \\ 45 \\ \underline{45} \\ - - \\ 9 \\ \underline{5} \\ - - \\ 4 \leftarrow \text{remainder} \end{array}$$

-
4 ← remainder

$$1459 \div 7 = 208 \text{ remainder } 3$$

```
      208
7 | 1459
   14
   --
    5
    0
    -
   59
   56
   --
    3 ← remainder
```

$$1459 \div 11 = 132 \text{ remainder } 7$$

```
      132
11 | 1459
   11
   --
   35
   33
   --
   29
   22
   --
    7 ← remainder
```

$$1459 \div 13 = 112 \text{ remainder } 3$$

```
      112
13 | 1459
   13
   --
   15
   13
   --
   29
   26
   --
    3 ← remainder
```

$$1459 \div 17 = 85 \text{ remainder } 14$$

$$\begin{array}{r} 85 \\ 17 \overline{) 1459} \\ \underline{136} \\ 99 \\ \underline{85} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1459 \div 19 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 19 \overline{) 1459} \\ \underline{133} \\ 129 \\ \underline{114} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1459 \div 23 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 23 \overline{) 1459} \\ \underline{138} \\ 79 \\ \underline{69} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1459 \div 29 = 50 \text{ remainder } 9$$

$$\begin{array}{r} 50 \\ 29 \overline{) 1459} \\ \underline{145} \\ 9 \\ \underline{0} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1459 \div 31 = 47 \text{ remainder } 2$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1459} \\ \underline{124} \\ 219 \\ \underline{217} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1459 \div 37 = 39 \text{ remainder } 16$$

$$\begin{array}{r} 39 \\ 37 \overline{) 1459} \\ \underline{111} \\ 349 \\ \underline{333} \\ 16 \leftarrow \text{remainder} \end{array}$$

P₂₃₃ 1471

$$1471 \div 2 = 735 \text{ remainder } 1$$

$$\begin{array}{r} 735 \\ 2 \mid 1471 \\ 14 \\ \hline 7 \\ 6 \\ \hline 11 \\ 10 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1471 \div 3 = 490 \text{ remainder } 1$$

$$\begin{array}{r} 490 \\ 3 \mid 1471 \\ 12 \\ \hline 27 \\ 27 \\ \hline 1 \\ 0 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1471 \div 5 = 294 \text{ remainder } 1$$

$$\begin{array}{r} 294 \\ 5 \mid 1471 \\ 10 \\ \hline 47 \\ 45 \\ \hline 21 \\ 20 \end{array}$$

--
1 ← remainder

$$1471 \div 7 = 210 \text{ remainder } 1$$

210
7 | 1471
14
--
7
7
-
1
0
-
1 ← remainder

$$1471 \div 11 = 133 \text{ remainder } 8$$

133
11 | 1471
11
--
37
33
--
41
33
--
8 ← remainder

$$1471 \div 13 = 113 \text{ remainder } 2$$

113
13 | 1471
13
--
17
13
--
41
39
--
2 ← remainder

$$1471 \div 17 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 17 \overline{) 1471} \\ \underline{136} \\ 111 \\ \underline{102} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 19 = 77 \text{ remainder } 8$$

$$\begin{array}{r} 77 \\ 19 \overline{) 1471} \\ \underline{133} \\ 141 \\ \underline{133} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 23 = 63 \text{ remainder } 22$$

$$\begin{array}{r} 63 \\ 23 \overline{) 1471} \\ \underline{138} \\ 91 \\ \underline{69} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 29 = 50 \text{ remainder } 21$$

$$\begin{array}{r} 50 \\ 29 \overline{) 1471} \\ \underline{145} \\ 21 \\ \underline{0} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$1471 \div 31 = 47 \text{ remainder } 14$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1471} \\ \underline{124} \\ 231 \\ \underline{217} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1471 \div 37 = 39 \text{ remainder } 28$$

$$\begin{array}{r} 39 \\ 37 \overline{) 1471} \\ \underline{111} \\ 361 \\ \underline{333} \\ 28 \leftarrow \text{remainder} \end{array}$$

P₂₃₄ 1481

$$1481 \div 2 = 740 \text{ remainder } 1$$

$$\begin{array}{r} 740 \\ 2 \mid 1481 \\ \underline{14} \\ - - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1481 \div 3 = 493 \text{ remainder } 2$$

$$\begin{array}{r} 493 \\ 3 \mid 1481 \\ \underline{12} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1481 \div 5 = 296 \text{ remainder } 1$$

$$\begin{array}{r} 296 \\ 5 \mid 1481 \\ \underline{10} \\ - - \\ 48 \\ \underline{45} \\ - - \\ 31 \\ \underline{30} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

--
1 ← remainder

$1481 \div 7 = 211$ remainder 4

211
7 | 1481
14
--
8
7
-
11
7
-
4 ← remainder

$1481 \div 11 = 134$ remainder 7

134
11 | 1481
11
--
38
33
--
51
44
--
7 ← remainder

$1481 \div 13 = 113$ remainder 12

113
13 | 1481
13
--
18
13
--
51
39
--
12 ← remainder

$$1481 \div 17 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1481} \\ \underline{136} \\ 121 \\ \underline{119} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1481 \div 19 = 77 \text{ remainder } 18$$

$$\begin{array}{r} 77 \\ 19 \overline{) 1481} \\ \underline{133} \\ 151 \\ \underline{133} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$1481 \div 23 = 64 \text{ remainder } 9$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1481} \\ \underline{138} \\ 101 \\ \underline{92} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1481 \div 29 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1481} \\ \underline{145} \\ 31 \\ \underline{29} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1481 \div 31 = 47 \text{ remainder } 24$$

$$\begin{array}{r} 47 \\ 31 \mid 1481 \\ \underline{124} \\ 241 \\ \underline{217} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$1481 \div 37 = 40 \text{ remainder } 1$$

$$\begin{array}{r} 40 \\ 37 \mid 1481 \\ \underline{148} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

P₂₃₅ 1483

$$1483 \div 2 = 741 \text{ remainder } 1$$

$$\begin{array}{r} 741 \\ 2 \mid 1483 \\ \underline{14} \\ - - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1483 \div 3 = 494 \text{ remainder } 1$$

$$\begin{array}{r} 494 \\ 3 \mid 1483 \\ \underline{12} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1483 \div 5 = 296 \text{ remainder } 3$$

$$\begin{array}{r} 296 \\ 5 \mid 1483 \\ \underline{10} \\ - - \\ 48 \\ \underline{45} \\ - - \\ 33 \\ \underline{30} \\ - - \end{array}$$

--
3 ← remainder

$$1483 \div 7 = 211 \text{ remainder } 6$$

211
7 | 1483
14
--
8
7
-
13
7
-
6 ← remainder

$$1483 \div 11 = 134 \text{ remainder } 9$$

134
11 | 1483
11
--
38
33
--
53
44
--
9 ← remainder

$$1483 \div 13 = 114 \text{ remainder } 1$$

114
13 | 1483
13
--
18
13
--
53
52
--
1 ← remainder

$$1483 \div 17 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1483} \\ \underline{136} \\ 123 \\ \underline{119} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1483 \div 19 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1483} \\ \underline{133} \\ 153 \\ \underline{152} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1483 \div 23 = 64 \text{ remainder } 11$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1483} \\ \underline{138} \\ 103 \\ \underline{92} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1483 \div 29 = 51 \text{ remainder } 4$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1483} \\ \underline{145} \\ 33 \\ \underline{29} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1483 \div 31 = 47 \text{ remainder } 26$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1483} \\ \underline{124} \\ 243 \\ \underline{217} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$1483 \div 37 = 40 \text{ remainder } 3$$

$$\begin{array}{r} 40 \\ 37 \overline{) 1483} \\ \underline{148} \\ 3 \\ \underline{0} \\ 3 \leftarrow \text{remainder} \end{array}$$

P₂₃₆ 1487

$$1487 \div 2 = 743 \text{ remainder } 1$$

$$\begin{array}{r} 743 \\ 2 \mid 1487 \\ \underline{14} \\ - - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1487 \div 3 = 495 \text{ remainder } 2$$

$$\begin{array}{r} 495 \\ 3 \mid 1487 \\ \underline{12} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1487 \div 5 = 297 \text{ remainder } 2$$

$$\begin{array}{r} 297 \\ 5 \mid 1487 \\ \underline{10} \\ - - \\ 48 \\ \underline{45} \\ - - \\ 37 \\ \underline{35} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

--
2 ← remainder

$$1487 \div 7 = 212 \text{ remainder } 3$$

212
7 | 1487
14
--
8
7
-
17
14
--
3 ← remainder

$$1487 \div 11 = 135 \text{ remainder } 2$$

135
11 | 1487
11
--
38
33
--
57
55
--
2 ← remainder

$$1487 \div 13 = 114 \text{ remainder } 5$$

114
13 | 1487
13
--
18
13
--
57
52
--
5 ← remainder

$$1487 \div 17 = 87 \text{ remainder } 8$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1487} \\ \underline{136} \\ 127 \\ \underline{119} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$1487 \div 19 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1487} \\ \underline{133} \\ 157 \\ \underline{152} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$1487 \div 23 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1487} \\ \underline{138} \\ 107 \\ \underline{92} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1487 \div 29 = 51 \text{ remainder } 8$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1487} \\ \underline{145} \\ 37 \\ \underline{29} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$1487 \div 31 = 47 \text{ remainder } 30$$

$$\begin{array}{r} 47 \\ 31 \overline{) 1487} \\ \underline{124} \\ 247 \\ \underline{217} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$1487 \div 37 = 40 \text{ remainder } 7$$

$$\begin{array}{r} 40 \\ 37 \overline{) 1487} \\ \underline{148} \\ 7 \\ \underline{0} \\ 7 \leftarrow \text{remainder} \end{array}$$

P₂₃₇ 1489

$$1489 \div 2 = 744 \text{ remainder } 1$$

$$\begin{array}{r} 744 \\ 2 \mid 1489 \\ \underline{14} \\ - - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1489 \div 3 = 496 \text{ remainder } 1$$

$$\begin{array}{r} 496 \\ 3 \mid 1489 \\ \underline{12} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1489 \div 5 = 297 \text{ remainder } 4$$

$$\begin{array}{r} 297 \\ 5 \mid 1489 \\ \underline{10} \\ - - \\ 48 \\ \underline{45} \\ - - \\ 39 \\ \underline{35} \end{array}$$

--
4 ← remainder

$$1489 \div 7 = 212 \text{ remainder } 5$$

212
7 | 1489
14
--
8
7
-
19
14
--
5 ← remainder

$$1489 \div 11 = 135 \text{ remainder } 4$$

135
11 | 1489
11
--
38
33
--
59
55
--
4 ← remainder

$$1489 \div 13 = 114 \text{ remainder } 7$$

114
13 | 1489
13
--
18
13
--
59
52
--
7 ← remainder

$$1489 \div 17 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 17 \overline{) 1489} \\ \underline{136} \\ 129 \\ \underline{119} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1489 \div 19 = 78 \text{ remainder } 7$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1489} \\ \underline{133} \\ 159 \\ \underline{152} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$1489 \div 23 = 64 \text{ remainder } 17$$

$$\begin{array}{r} 64 \\ 23 \overline{) 1489} \\ \underline{138} \\ 109 \\ \underline{92} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$1489 \div 29 = 51 \text{ remainder } 10$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1489} \\ \underline{145} \\ 39 \\ \underline{29} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1489 \div 31 = 48 \text{ remainder } 1$$

$$\begin{array}{r} 48 \\ 31 \overline{) 1489} \\ \underline{124} \\ 249 \\ \underline{248} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1489 \div 37 = 40 \text{ remainder } 9$$

$$\begin{array}{r} 40 \\ 37 \overline{) 1489} \\ \underline{148} \\ 9 \\ \underline{0} \\ 9 \leftarrow \text{remainder} \end{array}$$

P₂₃₈ 1493

$$1493 \div 2 = 746 \text{ remainder } 1$$

$$\begin{array}{r} 746 \\ 2 \mid 1493 \\ \underline{14} \\ -- \\ 9 \\ \underline{8} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1493 \div 3 = 497 \text{ remainder } 2$$

$$\begin{array}{r} 497 \\ 3 \mid 1493 \\ \underline{12} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1493 \div 5 = 298 \text{ remainder } 3$$

$$\begin{array}{r} 298 \\ 5 \mid 1493 \\ \underline{10} \\ -- \\ 49 \\ \underline{45} \\ -- \\ 43 \\ \underline{40} \\ -- \end{array}$$

--
3 ← remainder

$$1493 \div 7 = 213 \text{ remainder } 2$$

213
7 | 1493
14
--
9
7
-
23
21
--
2 ← remainder

$$1493 \div 11 = 135 \text{ remainder } 8$$

135
11 | 1493
11
--
39
33
--
63
55
--
8 ← remainder

$$1493 \div 13 = 114 \text{ remainder } 11$$

114
13 | 1493
13
--
19
13
--
63
52
--
11 ← remainder

$$1493 \div 17 = 87 \text{ remainder } 14$$

$$\begin{array}{r}
 87 \\
 17 \mid 1493 \\
 \underline{136} \\
 133 \\
 \underline{119} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1493 \div 19 = 78 \text{ remainder } 11$$

$$\begin{array}{r}
 78 \\
 19 \mid 1493 \\
 \underline{133} \\
 163 \\
 \underline{152} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1493 \div 23 = 64 \text{ remainder } 21$$

$$\begin{array}{r}
 64 \\
 23 \mid 1493 \\
 \underline{138} \\
 113 \\
 \underline{92} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1493 \div 29 = 51 \text{ remainder } 14$$

$$\begin{array}{r}
 51 \\
 29 \mid 1493 \\
 \underline{145} \\
 43 \\
 \underline{29} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1493 \div 31 = 48 \text{ remainder } 5$$

$$\begin{array}{r} 48 \\ 31 \mid 1493 \\ \underline{124} \\ 253 \\ \underline{248} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$1493 \div 37 = 40 \text{ remainder } 13$$

$$\begin{array}{r} 40 \\ 37 \mid 1493 \\ \underline{148} \\ 13 \\ 0 \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

P₂₃₉ 1499

$$1499 \div 2 = 749 \text{ remainder } 1$$

$$\begin{array}{r} 749 \\ 2 \mid 1499 \\ 14 \\ \hline 9 \\ 8 \\ \hline 19 \\ 18 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1499 \div 3 = 499 \text{ remainder } 2$$

$$\begin{array}{r} 499 \\ 3 \mid 1499 \\ 12 \\ \hline 29 \\ 27 \\ \hline 29 \\ 27 \\ \hline 2 \leftarrow \text{remainder} \end{array}$$

$$1499 \div 5 = 299 \text{ remainder } 4$$

$$\begin{array}{r} 299 \\ 5 \mid 1499 \\ 10 \\ \hline 49 \\ 45 \\ \hline 49 \\ 45 \end{array}$$

--
4 ← remainder

$$1499 \div 7 = 214 \text{ remainder } 1$$

214
7 | 1499
14
--
9
7
-
29
28
--
1 ← remainder

$$1499 \div 11 = 136 \text{ remainder } 3$$

136
11 | 1499
11
--
39
33
--
69
66
--
3 ← remainder

$$1499 \div 13 = 115 \text{ remainder } 4$$

115
13 | 1499
13
--
19
13
--
69
65
--
4 ← remainder

$$1499 \div 17 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 17 \overline{) 1499} \\ \underline{136} \\ 139 \\ \underline{136} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1499 \div 19 = 78 \text{ remainder } 17$$

$$\begin{array}{r} 78 \\ 19 \overline{) 1499} \\ \underline{133} \\ 169 \\ \underline{152} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$1499 \div 23 = 65 \text{ remainder } 4$$

$$\begin{array}{r} 65 \\ 23 \overline{) 1499} \\ \underline{138} \\ 119 \\ \underline{115} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1499 \div 29 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 29 \overline{) 1499} \\ \underline{145} \\ 49 \\ \underline{29} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$1499 \div 31 = 48 \text{ remainder } 11$$

$$\begin{array}{r} 48 \\ 31 \mid 1499 \\ \underline{124} \\ 259 \\ \underline{248} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1499 \div 37 = 40 \text{ remainder } 19$$

$$\begin{array}{r} 40 \\ 37 \mid 1499 \\ \underline{148} \\ 19 \\ 0 \\ - \\ 19 \leftarrow \text{remainder} \end{array}$$

P₂₄₀ 1511

$$1511 \div 2 = 755 \text{ remainder } 1$$

$$\begin{array}{r} 755 \\ 2 \mid 1511 \\ 14 \\ -- \\ 11 \\ 10 \\ -- \\ 11 \\ 10 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1511 \div 3 = 503 \text{ remainder } 2$$

$$\begin{array}{r} 503 \\ 3 \mid 1511 \\ 15 \\ -- \\ 1 \\ 0 \\ - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1511 \div 5 = 302 \text{ remainder } 1$$

$$\begin{array}{r} 302 \\ 5 \mid 1511 \\ 15 \\ -- \\ 1 \\ 0 \\ - \\ 11 \\ 10 \end{array}$$

--
1 ← remainder

$1511 \div 7 = 215$ remainder 6

215
7 | 1511
14
--
11
7
-
41
35
--
6 ← remainder

$1511 \div 11 = 137$ remainder 4

137
11 | 1511
11
--
41
33
--
81
77
--
4 ← remainder

$1511 \div 13 = 116$ remainder 3

116
13 | 1511
13
--
21
13
--
81
78
--
3 ← remainder

$$1511 \div 17 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 17 \overline{) 1511} \\ \underline{136} \\ 151 \\ \underline{136} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1511 \div 19 = 79 \text{ remainder } 10$$

$$\begin{array}{r} 79 \\ 19 \overline{) 1511} \\ \underline{133} \\ 181 \\ \underline{171} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1511 \div 23 = 65 \text{ remainder } 16$$

$$\begin{array}{r} 65 \\ 23 \overline{) 1511} \\ \underline{138} \\ 131 \\ \underline{115} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$1511 \div 29 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 29 \overline{) 1511} \\ \underline{145} \\ 61 \\ \underline{58} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1511 \div 31 = 48 \text{ remainder } 23$$

$$\begin{array}{r} 48 \\ 31 \overline{) 1511} \\ \underline{124} \\ 271 \\ \underline{248} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$1511 \div 37 = 40 \text{ remainder } 31$$

$$\begin{array}{r} 40 \\ 37 \overline{) 1511} \\ \underline{148} \\ 31 \\ \underline{0} \\ 31 \leftarrow \text{remainder} \end{array}$$

P₂₄₁ 1523

$$1523 \div 2 = 761 \text{ remainder } 1$$

$$\begin{array}{r} 761 \\ 2 \mid 1523 \\ 14 \\ -- \\ 12 \\ 12 \\ -- \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1523 \div 3 = 507 \text{ remainder } 2$$

$$\begin{array}{r} 507 \\ 3 \mid 1523 \\ 15 \\ -- \\ 2 \\ 0 \\ - \\ 23 \\ 21 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1523 \div 5 = 304 \text{ remainder } 3$$

$$\begin{array}{r} 304 \\ 5 \mid 1523 \\ 15 \\ -- \\ 2 \\ 0 \\ - \\ 23 \\ 20 \end{array}$$

--
3 ← remainder

$$1523 \div 7 = 217 \text{ remainder } 4$$

217
7 | 1523
14
--
12
7
-
53
49
--
4 ← remainder

$$1523 \div 11 = 138 \text{ remainder } 5$$

138
11 | 1523
11
--
42
33
--
93
88
--
5 ← remainder

$$1523 \div 13 = 117 \text{ remainder } 2$$

117
13 | 1523
13
--
22
13
--
93
91
--
2 ← remainder

$$1523 \div 17 = 89 \text{ remainder } 10$$

$$\begin{array}{r}
 89 \\
 17 \mid 1523 \\
 \underline{136} \\
 --- \\
 163 \\
 \underline{153} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1523 \div 19 = 80 \text{ remainder } 3$$

$$\begin{array}{r}
 80 \\
 19 \mid 1523 \\
 \underline{152} \\
 --- \\
 3 \\
 0 \\
 - \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1523 \div 23 = 66 \text{ remainder } 5$$

$$\begin{array}{r}
 66 \\
 23 \mid 1523 \\
 \underline{138} \\
 --- \\
 143 \\
 \underline{138} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1523 \div 29 = 52 \text{ remainder } 15$$

$$\begin{array}{r}
 52 \\
 29 \mid 1523 \\
 \underline{145} \\
 --- \\
 73 \\
 \underline{58} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1523 \div 31 = 49 \text{ remainder } 4$$

$$\begin{array}{r} 49 \\ 31 \mid 1523 \\ \underline{124} \\ 283 \\ \underline{279} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1523 \div 37 = 41 \text{ remainder } 6$$

$$\begin{array}{r} 41 \\ 37 \mid 1523 \\ \underline{148} \\ 43 \\ \underline{37} \\ 6 \leftarrow \text{remainder} \end{array}$$

P₂₄₂ 1531

$$1531 \div 2 = 765 \text{ remainder } 1$$

$$\begin{array}{r} 765 \\ 2 \mid 1531 \\ 14 \\ -- \\ 13 \\ 12 \\ -- \\ 11 \\ 10 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1531 \div 3 = 510 \text{ remainder } 1$$

$$\begin{array}{r} 510 \\ 3 \mid 1531 \\ 15 \\ -- \\ 3 \\ 3 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1531 \div 5 = 306 \text{ remainder } 1$$

$$\begin{array}{r} 306 \\ 5 \mid 1531 \\ 15 \\ -- \\ 3 \\ 0 \\ - \\ 31 \\ 30 \end{array}$$

--
1 ← remainder

$$1531 \div 7 = 218 \text{ remainder } 5$$

218
7 | 1531
14
--
13
7
-
61
56
--
5 ← remainder

$$1531 \div 11 = 139 \text{ remainder } 2$$

139
11 | 1531
11
--
43
33
--
101
99
--
2 ← remainder

$$1531 \div 13 = 117 \text{ remainder } 10$$

117
13 | 1531
13
--
23
13
--
101
91
--
10 ← remainder

$$1531 \div 17 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 17 \mid 1531 \\ \underline{153} \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1531 \div 19 = 80 \text{ remainder } 11$$

$$\begin{array}{r} 80 \\ 19 \mid 1531 \\ \underline{152} \\ 11 \\ 0 \\ - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1531 \div 23 = 66 \text{ remainder } 13$$

$$\begin{array}{r} 66 \\ 23 \mid 1531 \\ \underline{138} \\ 151 \\ \underline{138} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1531 \div 29 = 52 \text{ remainder } 23$$

$$\begin{array}{r} 52 \\ 29 \mid 1531 \\ \underline{145} \\ 81 \\ \underline{58} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$1531 \div 31 = 49 \text{ remainder } 12$$

$$\begin{array}{r} 49 \\ 31 \overline{) 1531} \\ \underline{124} \\ 291 \\ \underline{279} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$1531 \div 37 = 41 \text{ remainder } 14$$

$$\begin{array}{r} 41 \\ 37 \overline{) 1531} \\ \underline{148} \\ 51 \\ \underline{37} \\ 14 \leftarrow \text{remainder} \end{array}$$

P₂₄₃ 1543

$$1543 \div 2 = 771 \text{ remainder } 1$$

$$\begin{array}{r} 771 \\ 2 \mid 1543 \\ 14 \\ - - \\ 14 \\ 14 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1543 \div 3 = 514 \text{ remainder } 1$$

$$\begin{array}{r} 514 \\ 3 \mid 1543 \\ 15 \\ - - \\ 4 \\ 3 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1543 \div 5 = 308 \text{ remainder } 3$$

$$\begin{array}{r} 308 \\ 5 \mid 1543 \\ 15 \\ - - \\ 4 \\ 0 \\ - \\ 43 \\ 40 \end{array}$$

--
3 ← remainder

$$1543 \div 7 = 220 \text{ remainder } 3$$

220
7 | 1543
14
--
14
14
--
3
0
-
3 ← remainder

$$1543 \div 11 = 140 \text{ remainder } 3$$

140
11 | 1543
11
--
44
44
--
3
0
-
3 ← remainder

$$1543 \div 13 = 118 \text{ remainder } 9$$

118
13 | 1543
13
--
24
13
--
113
104
--
9 ← remainder

$$1543 \div 17 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 17 \overline{) 1543} \\ \underline{153} \\ - - - \\ 13 \\ 0 \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1543 \div 19 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 19 \overline{) 1543} \\ \underline{152} \\ - - - \\ 23 \\ 19 \\ - - \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1543 \div 23 = 67 \text{ remainder } 2$$

$$\begin{array}{r} 67 \\ 23 \overline{) 1543} \\ \underline{138} \\ - - - \\ 163 \\ 161 \\ - - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1543 \div 29 = 53 \text{ remainder } 6$$

$$\begin{array}{r} 53 \\ 29 \overline{) 1543} \\ \underline{145} \\ - - - \\ 93 \\ 87 \\ - - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$1543 \div 31 = 49 \text{ remainder } 24$$

$$\begin{array}{r} 49 \\ 31 \overline{) 1543} \\ \underline{124} \\ --- \\ 303 \\ \underline{279} \\ --- \\ 24 \leftarrow \text{remainder} \end{array}$$

$$1543 \div 37 = 41 \text{ remainder } 26$$

$$\begin{array}{r} 41 \\ 37 \overline{) 1543} \\ \underline{148} \\ --- \\ 63 \\ \underline{37} \\ --- \\ 26 \leftarrow \text{remainder} \end{array}$$

P₂₄₄ 1549

$$1549 \div 2 = 774 \text{ remainder } 1$$

$$\begin{array}{r} 774 \\ 2 \mid 1549 \\ 14 \\ - - \\ 14 \\ 14 \\ - - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1549 \div 3 = 516 \text{ remainder } 1$$

$$\begin{array}{r} 516 \\ 3 \mid 1549 \\ 15 \\ - - \\ 4 \\ 3 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1549 \div 5 = 309 \text{ remainder } 4$$

$$\begin{array}{r} 309 \\ 5 \mid 1549 \\ 15 \\ - - \\ 4 \\ 0 \\ - \\ 49 \\ 45 \end{array}$$

--
4 ← remainder

$$1549 \div 7 = 221 \text{ remainder } 2$$

221
7 | 1549
14
--
14
14
--
9
7
-
2 ← remainder

$$1549 \div 11 = 140 \text{ remainder } 9$$

140
11 | 1549
11
--
44
44
--
9
0
-
9 ← remainder

$$1549 \div 13 = 119 \text{ remainder } 2$$

119
13 | 1549
13
--
24
13
--
119
117

2 ← remainder

$$1549 \div 17 = 91 \text{ remainder } 2$$

$$\begin{array}{r}
 91 \\
 17 \mid 1549 \\
 \underline{153} \\
 19 \\
 \underline{17} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1549 \div 19 = 81 \text{ remainder } 10$$

$$\begin{array}{r}
 81 \\
 19 \mid 1549 \\
 \underline{152} \\
 29 \\
 \underline{19} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1549 \div 23 = 67 \text{ remainder } 8$$

$$\begin{array}{r}
 67 \\
 23 \mid 1549 \\
 \underline{138} \\
 169 \\
 \underline{161} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1549 \div 29 = 53 \text{ remainder } 12$$

$$\begin{array}{r}
 53 \\
 29 \mid 1549 \\
 \underline{145} \\
 99 \\
 \underline{87} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1549 \div 31 = 49 \text{ remainder } 30$$

$$\begin{array}{r} 49 \\ 31 \overline{) 1549} \\ \underline{124} \\ 309 \\ \underline{279} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$1549 \div 37 = 41 \text{ remainder } 32$$

$$\begin{array}{r} 41 \\ 37 \overline{) 1549} \\ \underline{148} \\ 69 \\ \underline{37} \\ 32 \leftarrow \text{remainder} \end{array}$$

P₂₄₅ 1553

$$1553 \div 2 = 776 \text{ remainder } 1$$

$$\begin{array}{r} 776 \\ 2 \mid 1553 \\ 14 \\ -- \\ 15 \\ 14 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1553 \div 3 = 517 \text{ remainder } 2$$

$$\begin{array}{r} 517 \\ 3 \mid 1553 \\ 15 \\ -- \\ 5 \\ 3 \\ - \\ 23 \\ 21 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1553 \div 5 = 310 \text{ remainder } 3$$

$$\begin{array}{r} 310 \\ 5 \mid 1553 \\ 15 \\ -- \\ 5 \\ 5 \\ - \\ 3 \\ 0 \end{array}$$

-
3 ← remainder

$$1553 \div 7 = 221 \text{ remainder } 6$$

221
7 | 1553
14
--
15
14
--
13
7
-
6 ← remainder

$$1553 \div 11 = 141 \text{ remainder } 2$$

141
11 | 1553
11
--
45
44
--
13
11
--
2 ← remainder

$$1553 \div 13 = 119 \text{ remainder } 6$$

119
13 | 1553
13
--
25
13
--
123
117

6 ← remainder

$$1553 \div 17 = 91 \text{ remainder } 6$$

$$\begin{array}{r} 91 \\ 17 \overline{) 1553} \\ \underline{153} \\ --- \\ 23 \\ \underline{17} \\ -- \\ 6 \leftarrow \text{remainder} \end{array}$$

$$1553 \div 19 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 19 \overline{) 1553} \\ \underline{152} \\ --- \\ 33 \\ \underline{19} \\ -- \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1553 \div 23 = 67 \text{ remainder } 12$$

$$\begin{array}{r} 67 \\ 23 \overline{) 1553} \\ \underline{138} \\ --- \\ 173 \\ \underline{161} \\ --- \\ 12 \leftarrow \text{remainder} \end{array}$$

$$1553 \div 29 = 53 \text{ remainder } 16$$

$$\begin{array}{r} 53 \\ 29 \overline{) 1553} \\ \underline{145} \\ --- \\ 103 \\ \underline{87} \\ -- \\ 16 \leftarrow \text{remainder} \end{array}$$

$$1553 \div 31 = 50 \text{ remainder } 3$$

$$\begin{array}{r} 50 \\ 31 \mid 1553 \\ \underline{155} \\ 3 \\ 0 \\ - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1553 \div 37 = 41 \text{ remainder } 36$$

$$\begin{array}{r} 41 \\ 37 \mid 1553 \\ \underline{148} \\ 73 \\ \underline{37} \\ 36 \leftarrow \text{remainder} \end{array}$$

P₂₄₆ 1559

$$1559 \div 2 = 779 \text{ remainder } 1$$

$$\begin{array}{r} 779 \\ 2 \mid 1559 \\ 14 \\ -- \\ 15 \\ 14 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1559 \div 3 = 519 \text{ remainder } 2$$

$$\begin{array}{r} 519 \\ 3 \mid 1559 \\ 15 \\ -- \\ 5 \\ 3 \\ - \\ 29 \\ 27 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1559 \div 5 = 311 \text{ remainder } 4$$

$$\begin{array}{r} 311 \\ 5 \mid 1559 \\ 15 \\ -- \\ 5 \\ 5 \\ - \\ 9 \\ 5 \end{array}$$

-
4 ← remainder

$$1559 \div 7 = 222 \text{ remainder } 5$$

222
7 | 1559
14
--
15
14
--
19
14
--
5 ← remainder

$$1559 \div 11 = 141 \text{ remainder } 8$$

141
11 | 1559
11
--
45
44
--
19
11
--
8 ← remainder

$$1559 \div 13 = 119 \text{ remainder } 12$$

119
13 | 1559
13
--
25
13
--
129
117

12 ← remainder

$$1559 \div 17 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 17 \overline{) 1559} \\ \underline{153} \\ 29 \\ \underline{17} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 19 = 82 \text{ remainder } 1$$

$$\begin{array}{r} 82 \\ 19 \overline{) 1559} \\ \underline{152} \\ 39 \\ \underline{38} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 23 = 67 \text{ remainder } 18$$

$$\begin{array}{r} 67 \\ 23 \overline{) 1559} \\ \underline{138} \\ 179 \\ \underline{161} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 29 = 53 \text{ remainder } 22$$

$$\begin{array}{r} 53 \\ 29 \overline{) 1559} \\ \underline{145} \\ 109 \\ \underline{87} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$1559 \div 31 = 50 \text{ remainder } 9$$

$$\begin{array}{r} 50 \\ 31 \mid 1559 \\ \underline{155} \\ 9 \\ 0 \\ - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1559 \div 37 = 42 \text{ remainder } 5$$

$$\begin{array}{r} 42 \\ 37 \mid 1559 \\ \underline{148} \\ 79 \\ \underline{74} \\ 5 \\ - \\ 5 \leftarrow \text{remainder} \end{array}$$

P₂₄₇ 1567

$$1567 \div 2 = 783 \text{ remainder } 1$$

$$\begin{array}{r} 783 \\ 2 \mid 1567 \\ 14 \\ -- \\ 16 \\ 16 \\ -- \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1567 \div 3 = 522 \text{ remainder } 1$$

$$\begin{array}{r} 522 \\ 3 \mid 1567 \\ 15 \\ -- \\ 6 \\ 6 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1567 \div 5 = 313 \text{ remainder } 2$$

$$\begin{array}{r} 313 \\ 5 \mid 1567 \\ 15 \\ -- \\ 6 \\ 5 \\ - \\ 17 \\ 15 \\ -- \end{array}$$

--
2 ← remainder

$$1567 \div 7 = 223 \text{ remainder } 6$$

223
7 | 1567
14
--
16
14
--
27
21
--
6 ← remainder

$$1567 \div 11 = 142 \text{ remainder } 5$$

142
11 | 1567
11
--
46
44
--
27
22
--
5 ← remainder

$$1567 \div 13 = 120 \text{ remainder } 7$$

120
13 | 1567
13
--
26
26
--
7
0
--
7 ← remainder

$$1567 \div 17 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 17 \overline{) 1567} \\ \underline{153} \\ 37 \\ \underline{34} \\ 3 \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1567 \div 19 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 19 \overline{) 1567} \\ \underline{152} \\ 47 \\ \underline{38} \\ 9 \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1567 \div 23 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 23 \overline{) 1567} \\ \underline{138} \\ 187 \\ \underline{184} \\ 3 \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1567 \div 29 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 29 \overline{) 1567} \\ \underline{145} \\ 117 \\ \underline{116} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1567 \div 31 = 50 \text{ remainder } 17$$

$$\begin{array}{r} 50 \\ 31 \overline{) 1567} \\ \underline{155} \\ 17 \\ 0 \\ - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$1567 \div 37 = 42 \text{ remainder } 13$$

$$\begin{array}{r} 42 \\ 37 \overline{) 1567} \\ \underline{148} \\ 87 \\ \underline{74} \\ 13 \leftarrow \text{remainder} \end{array}$$

P₂₄₈ 1571

$$1571 \div 2 = 785 \text{ remainder } 1$$

$$\begin{array}{r} 785 \\ 2 \mid 1571 \\ 14 \\ -- \\ 17 \\ 16 \\ -- \\ 11 \\ 10 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1571 \div 3 = 523 \text{ remainder } 2$$

$$\begin{array}{r} 523 \\ 3 \mid 1571 \\ 15 \\ -- \\ 7 \\ 6 \\ - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1571 \div 5 = 314 \text{ remainder } 1$$

$$\begin{array}{r} 314 \\ 5 \mid 1571 \\ 15 \\ -- \\ 7 \\ 5 \\ - \\ 21 \\ 20 \end{array}$$

--
1 ← remainder

$$1571 \div 7 = 224 \text{ remainder } 3$$

224
7 | 1571
14
--
17
14
--
31
28
--
3 ← remainder

$$1571 \div 11 = 142 \text{ remainder } 9$$

142
11 | 1571
11
--
47
44
--
31
22
--
9 ← remainder

$$1571 \div 13 = 120 \text{ remainder } 11$$

120
13 | 1571
13
--
27
26
--
11
0
-
11 ← remainder

$$1571 \div 17 = 92 \text{ remainder } 7$$

$$\begin{array}{r} 92 \\ 17 \overline{) 1571} \\ \underline{153} \\ 41 \\ \underline{34} \\ 7 \\ 7 \leftarrow \text{remainder} \end{array}$$

$$1571 \div 19 = 82 \text{ remainder } 13$$

$$\begin{array}{r} 82 \\ 19 \overline{) 1571} \\ \underline{152} \\ 51 \\ \underline{38} \\ 13 \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1571 \div 23 = 68 \text{ remainder } 7$$

$$\begin{array}{r} 68 \\ 23 \overline{) 1571} \\ \underline{138} \\ 191 \\ \underline{184} \\ 7 \\ 7 \leftarrow \text{remainder} \end{array}$$

$$1571 \div 29 = 54 \text{ remainder } 5$$

$$\begin{array}{r} 54 \\ 29 \overline{) 1571} \\ \underline{145} \\ 121 \\ \underline{116} \\ 5 \\ 5 \leftarrow \text{remainder} \end{array}$$

$$1571 \div 31 = 50 \text{ remainder } 21$$

$$\begin{array}{r} 50 \\ 31 \mid 1571 \\ \underline{155} \\ 21 \\ 0 \\ - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$1571 \div 37 = 42 \text{ remainder } 17$$

$$\begin{array}{r} 42 \\ 37 \mid 1571 \\ \underline{148} \\ 91 \\ \underline{74} \\ 17 \leftarrow \text{remainder} \end{array}$$

P₂₄₉ 1579

$$1579 \div 2 = 789 \text{ remainder } 1$$

$$\begin{array}{r} 789 \\ 2 \mid 1579 \\ 14 \\ -- \\ 17 \\ 16 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1579 \div 3 = 526 \text{ remainder } 1$$

$$\begin{array}{r} 526 \\ 3 \mid 1579 \\ 15 \\ -- \\ 7 \\ 6 \\ - \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1579 \div 5 = 315 \text{ remainder } 4$$

$$\begin{array}{r} 315 \\ 5 \mid 1579 \\ 15 \\ -- \\ 7 \\ 5 \\ - \\ 29 \\ 25 \end{array}$$

--
4 ← remainder

$$1579 \div 7 = 225 \text{ remainder } 4$$

225
7 | 1579
14
--
17
14
--
39
35
--
4 ← remainder

$$1579 \div 11 = 143 \text{ remainder } 6$$

143
11 | 1579
11
--
47
44
--
39
33
--
6 ← remainder

$$1579 \div 13 = 121 \text{ remainder } 6$$

121
13 | 1579
13
--
27
26
--
19
13
--
6 ← remainder

$$1579 \div 17 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 17 \overline{) 1579} \\ \underline{153} \\ 49 \\ \underline{34} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1579 \div 19 = 83 \text{ remainder } 2$$

$$\begin{array}{r} 83 \\ 19 \overline{) 1579} \\ \underline{152} \\ 59 \\ \underline{57} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1579 \div 23 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 23 \overline{) 1579} \\ \underline{138} \\ 199 \\ \underline{184} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1579 \div 29 = 54 \text{ remainder } 13$$

$$\begin{array}{r} 54 \\ 29 \overline{) 1579} \\ \underline{145} \\ 129 \\ \underline{116} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1579 \div 31 = 50 \text{ remainder } 29$$

$$\begin{array}{r} 50 \\ 31 \mid 1579 \\ \underline{155} \\ 29 \\ 0 \\ - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$1579 \div 37 = 42 \text{ remainder } 25$$

$$\begin{array}{r} 42 \\ 37 \mid 1579 \\ \underline{148} \\ 99 \\ \underline{74} \\ 25 \leftarrow \text{remainder} \end{array}$$

P₂₅₀ 1583

$$1583 \div 2 = 791 \text{ remainder } 1$$

$$\begin{array}{r} 791 \\ 2 \mid 1583 \\ 14 \\ \hline 18 \\ 18 \\ \hline 3 \\ 2 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1583 \div 3 = 527 \text{ remainder } 2$$

$$\begin{array}{r} 527 \\ 3 \mid 1583 \\ 15 \\ \hline 8 \\ 6 \\ \hline 23 \\ 21 \\ \hline 2 \leftarrow \text{remainder} \end{array}$$

$$1583 \div 5 = 316 \text{ remainder } 3$$

$$\begin{array}{r} 316 \\ 5 \mid 1583 \\ 15 \\ \hline 8 \\ 5 \\ \hline 33 \\ 30 \end{array}$$

--
3 ← remainder

$1583 \div 7 = 226 \text{ remainder } 1$

226
7 | 1583
14
--
18
14
--
43
42
--
1 ← remainder

$1583 \div 11 = 143 \text{ remainder } 10$

143
11 | 1583
11
--
48
44
--
43
33
--
10 ← remainder

$1583 \div 13 = 121 \text{ remainder } 10$

121
13 | 1583
13
--
28
26
--
23
13
--
10 ← remainder

$$1583 \div 17 = 93 \text{ remainder } 2$$

$$\begin{array}{r}
 93 \\
 17 \mid 1583 \\
 \underline{153} \\
 53 \\
 \underline{51} \\
 2 \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1583 \div 19 = 83 \text{ remainder } 6$$

$$\begin{array}{r}
 83 \\
 19 \mid 1583 \\
 \underline{152} \\
 63 \\
 \underline{57} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1583 \div 23 = 68 \text{ remainder } 19$$

$$\begin{array}{r}
 68 \\
 23 \mid 1583 \\
 \underline{138} \\
 203 \\
 \underline{184} \\
 19 \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$1583 \div 29 = 54 \text{ remainder } 17$$

$$\begin{array}{r}
 54 \\
 29 \mid 1583 \\
 \underline{145} \\
 133 \\
 \underline{116} \\
 17 \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$1583 \div 31 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1583} \\ \underline{155} \\ 33 \\ \underline{31} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1583 \div 37 = 42 \text{ remainder } 29$$

$$\begin{array}{r} 42 \\ 37 \overline{) 1583} \\ \underline{148} \\ 103 \\ \underline{74} \\ 29 \leftarrow \text{remainder} \end{array}$$

P₂₅₁ 1597

$$1597 \div 2 = 798 \text{ remainder } 1$$

$$\begin{array}{r} 798 \\ 2 \mid 1597 \\ 14 \\ -- \\ 19 \\ 18 \\ -- \\ 17 \\ 16 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1597 \div 3 = 532 \text{ remainder } 1$$

$$\begin{array}{r} 532 \\ 3 \mid 1597 \\ 15 \\ -- \\ 9 \\ 9 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1597 \div 5 = 319 \text{ remainder } 2$$

$$\begin{array}{r} 319 \\ 5 \mid 1597 \\ 15 \\ -- \\ 9 \\ 5 \\ - \\ 47 \\ 45 \end{array}$$

--
2 ← remainder

$$1597 \div 7 = 228 \text{ remainder } 1$$

228
7 | 1597
14
--
19
14
--
57
56
--
1 ← remainder

$$1597 \div 11 = 145 \text{ remainder } 2$$

145
11 | 1597
11
--
49
44
--
57
55
--
2 ← remainder

$$1597 \div 13 = 122 \text{ remainder } 11$$

122
13 | 1597
13
--
29
26
--
37
26
--
11 ← remainder

$$1597 \div 17 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 17 \overline{) 1597} \\ \underline{153} \\ 67 \\ \underline{51} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 19 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 19 \overline{) 1597} \\ \underline{152} \\ 77 \\ \underline{76} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 23 = 69 \text{ remainder } 10$$

$$\begin{array}{r} 69 \\ 23 \overline{) 1597} \\ \underline{138} \\ 217 \\ \underline{207} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 29 = 55 \text{ remainder } 2$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1597} \\ \underline{145} \\ 147 \\ \underline{145} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 31 = 51 \text{ remainder } 16$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1597} \\ \underline{155} \\ 47 \\ \underline{31} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$1597 \div 37 = 43 \text{ remainder } 6$$

$$\begin{array}{r} 43 \\ 37 \overline{) 1597} \\ \underline{148} \\ 117 \\ \underline{111} \\ 6 \end{array} \leftarrow \text{remainder}$$

P₂₅₂ 1601

$$1601 \div 2 = 800 \text{ remainder } 1$$

$$\begin{array}{r} 800 \\ 2 \mid 1601 \\ \underline{16} \\ -- \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1601 \div 3 = 533 \text{ remainder } 2$$

$$\begin{array}{r} 533 \\ 3 \mid 1601 \\ \underline{15} \\ -- \\ 10 \\ 9 \\ - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1601 \div 5 = 320 \text{ remainder } 1$$

$$\begin{array}{r} 320 \\ 5 \mid 1601 \\ \underline{15} \\ -- \\ 10 \\ 10 \\ - \\ 1 \\ 0 \end{array}$$

-
1 ← remainder

$$1601 \div 7 = 228 \text{ remainder } 5$$

```
    228
7 | 1601
   14
   --
   20
   14
   --
   61
   56
   --
   5 ← remainder
```

$$1601 \div 11 = 145 \text{ remainder } 6$$

```
    145
11 | 1601
   11
   --
   50
   44
   --
   61
   55
   --
   6 ← remainder
```

$$1601 \div 13 = 123 \text{ remainder } 2$$

```
    123
13 | 1601
   13
   --
   30
   26
   --
   41
   39
   --
   2 ← remainder
```

$$1601 \div 17 = 94 \text{ remainder } 3$$

$$\begin{array}{r}
 94 \\
 17 \mid 1601 \\
 \underline{153} \\
 71 \\
 \underline{68} \\
 3 \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1601 \div 19 = 84 \text{ remainder } 5$$

$$\begin{array}{r}
 84 \\
 19 \mid 1601 \\
 \underline{152} \\
 81 \\
 \underline{76} \\
 5 \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1601 \div 23 = 69 \text{ remainder } 14$$

$$\begin{array}{r}
 69 \\
 23 \mid 1601 \\
 \underline{138} \\
 221 \\
 \underline{207} \\
 14 \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1601 \div 29 = 55 \text{ remainder } 6$$

$$\begin{array}{r}
 55 \\
 29 \mid 1601 \\
 \underline{145} \\
 151 \\
 \underline{145} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1601 \div 31 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1601} \\ \underline{155} \\ 51 \\ 31 \\ \underline{} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$1601 \div 37 = 43 \text{ remainder } 10$$

$$\begin{array}{r} 43 \\ 37 \overline{) 1601} \\ \underline{148} \\ 121 \\ 111 \\ \underline{} \\ 10 \leftarrow \text{remainder} \end{array}$$

P₂₅₃ 1607

$$1607 \div 2 = 803 \text{ remainder } 1$$

$$\begin{array}{r} 803 \\ 2 \mid 1607 \\ \underline{16} \\ -- \\ 0 \\ 0 \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1607 \div 3 = 535 \text{ remainder } 2$$

$$\begin{array}{r} 535 \\ 3 \mid 1607 \\ \underline{15} \\ -- \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1607 \div 5 = 321 \text{ remainder } 2$$

$$\begin{array}{r} 321 \\ 5 \mid 1607 \\ \underline{15} \\ -- \\ 10 \\ \underline{10} \\ -- \\ 7 \\ \underline{5} \\ -- \end{array}$$

-
2 ← remainder

$1607 \div 7 = 229$ remainder 4

229
7 | 1607
14
--
20
14
--
67
63
--
4 ← remainder

$1607 \div 11 = 146$ remainder 1

146
11 | 1607
11
--
50
44
--
67
66
--
1 ← remainder

$1607 \div 13 = 123$ remainder 8

123
13 | 1607
13
--
30
26
--
47
39
--
8 ← remainder

$$1607 \div 17 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 17 \overline{) 1607} \\ \underline{153} \\ 77 \\ \underline{68} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1607 \div 19 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 19 \overline{) 1607} \\ \underline{152} \\ 87 \\ \underline{76} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1607 \div 23 = 69 \text{ remainder } 20$$

$$\begin{array}{r} 69 \\ 23 \overline{) 1607} \\ \underline{138} \\ 227 \\ \underline{207} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$1607 \div 29 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1607} \\ \underline{145} \\ 157 \\ \underline{145} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$1607 \div 31 = 51 \text{ remainder } 26$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1607} \\ \underline{155} \\ 57 \\ \underline{31} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$1607 \div 37 = 43 \text{ remainder } 16$$

$$\begin{array}{r} 43 \\ 37 \overline{) 1607} \\ \underline{148} \\ 127 \\ \underline{111} \\ 16 \end{array} \leftarrow \text{remainder}$$

P₂₅₄ 1609

$$1609 \div 2 = 804 \text{ remainder } 1$$

$$\begin{array}{r} 804 \\ 2 \mid 1609 \\ \underline{16} \\ 00 \\ \underline{00} \\ 00 \\ \underline{00} \\ 01 \end{array}$$

1 ← remainder

$$1609 \div 3 = 536 \text{ remainder } 1$$

$$\begin{array}{r} 536 \\ 3 \mid 1609 \\ \underline{15} \\ 10 \\ \underline{09} \\ 19 \\ \underline{18} \\ 11 \end{array}$$

1 ← remainder

$$1609 \div 5 = 321 \text{ remainder } 4$$

$$\begin{array}{r} 321 \\ 5 \mid 1609 \\ \underline{15} \\ 10 \\ \underline{10} \\ 09 \\ \underline{05} \\ 04 \end{array}$$

-
4 ← remainder

$$1609 \div 7 = 229 \text{ remainder } 6$$

```
    229
7 | 1609
   14
   --
   20
   14
   --
   69
   63
   --
   6 ← remainder
```

$$1609 \div 11 = 146 \text{ remainder } 3$$

```
    146
11 | 1609
   11
   --
   50
   44
   --
   69
   66
   --
   3 ← remainder
```

$$1609 \div 13 = 123 \text{ remainder } 10$$

```
    123
13 | 1609
   13
   --
   30
   26
   --
   49
   39
   --
   10 ← remainder
```

$$1609 \div 17 = 94 \text{ remainder } 11$$

$$\begin{array}{r}
 94 \\
 17 \mid 1609 \\
 \underline{153} \\
 79 \\
 \underline{68} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1609 \div 19 = 84 \text{ remainder } 13$$

$$\begin{array}{r}
 84 \\
 19 \mid 1609 \\
 \underline{152} \\
 89 \\
 \underline{76} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1609 \div 23 = 69 \text{ remainder } 22$$

$$\begin{array}{r}
 69 \\
 23 \mid 1609 \\
 \underline{138} \\
 229 \\
 \underline{207} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$1609 \div 29 = 55 \text{ remainder } 14$$

$$\begin{array}{r}
 55 \\
 29 \mid 1609 \\
 \underline{145} \\
 159 \\
 \underline{145} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1609 \div 31 = 51 \text{ remainder } 28$$

$$\begin{array}{r} 51 \\ 31 \overline{) 1609} \\ \underline{155} \\ 59 \\ \underline{31} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$1609 \div 37 = 43 \text{ remainder } 18$$

$$\begin{array}{r} 43 \\ 37 \overline{) 1609} \\ \underline{148} \\ 129 \\ \underline{111} \\ 18 \end{array} \leftarrow \text{remainder}$$

P₂₅₅ 1613

$$1613 \div 2 = 806 \text{ remainder } 1$$

$$\begin{array}{r} 806 \\ 2 \mid 1613 \\ \underline{16} \\ -- \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1613 \div 3 = 537 \text{ remainder } 2$$

$$\begin{array}{r} 537 \\ 3 \mid 1613 \\ \underline{15} \\ -- \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1613 \div 5 = 322 \text{ remainder } 3$$

$$\begin{array}{r} 322 \\ 5 \mid 1613 \\ \underline{15} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 13 \\ \underline{10} \\ -- \\ 3 \leftarrow \text{remainder} \end{array}$$

--
3 ← remainder

$$1613 \div 7 = 230 \text{ remainder } 3$$

230
7 | 1613
14
--
21
21
--
3
0
-
3 ← remainder

$$1613 \div 11 = 146 \text{ remainder } 7$$

146
11 | 1613
11
--
51
44
--
73
66
--
7 ← remainder

$$1613 \div 13 = 124 \text{ remainder } 1$$

124
13 | 1613
13
--
31
26
--
53
52
--
1 ← remainder

$$1613 \div 17 = 94 \text{ remainder } 15$$

$$\begin{array}{r} 94 \\ 17 \overline{) 1613} \\ \underline{153} \\ 83 \\ \underline{68} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1613 \div 19 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 19 \overline{) 1613} \\ \underline{152} \\ 93 \\ \underline{76} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$1613 \div 23 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 23 \overline{) 1613} \\ \underline{161} \\ 3 \\ \underline{0} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1613 \div 29 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1613} \\ \underline{145} \\ 163 \\ \underline{145} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$1613 \div 31 = 52 \text{ remainder } 1$$

$$\begin{array}{r} 52 \\ 31 \mid 1613 \\ \underline{155} \\ 63 \\ \underline{62} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1613 \div 37 = 43 \text{ remainder } 22$$

$$\begin{array}{r} 43 \\ 37 \mid 1613 \\ \underline{148} \\ 133 \\ \underline{111} \\ 22 \leftarrow \text{remainder} \end{array}$$

P₂₅₆ 1619

$$1619 \div 2 = 809 \text{ remainder } 1$$

$$\begin{array}{r} 809 \\ 2 \mid 1619 \\ \underline{16} \\ -- \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1619 \div 3 = 539 \text{ remainder } 2$$

$$\begin{array}{r} 539 \\ 3 \mid 1619 \\ \underline{15} \\ -- \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1619 \div 5 = 323 \text{ remainder } 4$$

$$\begin{array}{r} 323 \\ 5 \mid 1619 \\ \underline{15} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 19 \\ \underline{15} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

--
4 ← remainder

$$1619 \div 7 = 231 \text{ remainder } 2$$

231
7 | 1619
14
--
21
21
--
9
7
-
2 ← remainder

$$1619 \div 11 = 147 \text{ remainder } 2$$

147
11 | 1619
11
--
51
44
--
79
77
--
2 ← remainder

$$1619 \div 13 = 124 \text{ remainder } 7$$

124
13 | 1619
13
--
31
26
--
59
52
--
7 ← remainder

$$1619 \div 17 = 95 \text{ remainder } 4$$

$$\begin{array}{r} 95 \\ 17 \overline{) 1619} \\ \underline{153} \\ 89 \\ \underline{85} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1619 \div 19 = 85 \text{ remainder } 4$$

$$\begin{array}{r} 85 \\ 19 \overline{) 1619} \\ \underline{152} \\ 99 \\ \underline{95} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1619 \div 23 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 23 \overline{) 1619} \\ \underline{161} \\ 9 \\ \underline{0} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$1619 \div 29 = 55 \text{ remainder } 24$$

$$\begin{array}{r} 55 \\ 29 \overline{) 1619} \\ \underline{145} \\ 169 \\ \underline{145} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$1619 \div 31 = 52 \text{ remainder } 7$$

$$\begin{array}{r} 52 \\ 31 \overline{) 1619} \\ \underline{155} \\ 69 \\ \underline{62} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$1619 \div 37 = 43 \text{ remainder } 28$$

$$\begin{array}{r} 43 \\ 37 \overline{) 1619} \\ \underline{148} \\ 139 \\ \underline{111} \\ 28 \end{array} \leftarrow \text{remainder}$$

P₂₅₇ 1621

$$1621 \div 2 = 810 \text{ remainder } 1$$

$$\begin{array}{r} 810 \\ 2 \mid 1621 \\ \underline{16} \\ -- \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1621 \div 3 = 540 \text{ remainder } 1$$

$$\begin{array}{r} 540 \\ 3 \mid 1621 \\ \underline{15} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1621 \div 5 = 324 \text{ remainder } 1$$

$$\begin{array}{r} 324 \\ 5 \mid 1621 \\ \underline{15} \\ -- \\ 12 \\ \underline{10} \\ -- \\ 21 \\ \underline{20} \end{array}$$

--
1 ← remainder

$$1621 \div 7 = 231 \text{ remainder } 4$$

231
7 | 1621
14
--
22
21
--
11
7
-
4 ← remainder

$$1621 \div 11 = 147 \text{ remainder } 4$$

147
11 | 1621
11
--
52
44
--
81
77
--
4 ← remainder

$$1621 \div 13 = 124 \text{ remainder } 9$$

124
13 | 1621
13
--
32
26
--
61
52
--
9 ← remainder

$$1621 \div 17 = 95 \text{ remainder } 6$$

$$\begin{array}{r}
 95 \\
 17 \mid 1621 \\
 \underline{153} \\
 91 \\
 \underline{85} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1621 \div 19 = 85 \text{ remainder } 6$$

$$\begin{array}{r}
 85 \\
 19 \mid 1621 \\
 \underline{152} \\
 101 \\
 \underline{95} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1621 \div 23 = 70 \text{ remainder } 11$$

$$\begin{array}{r}
 70 \\
 23 \mid 1621 \\
 \underline{161} \\
 11 \\
 \underline{0} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1621 \div 29 = 55 \text{ remainder } 26$$

$$\begin{array}{r}
 55 \\
 29 \mid 1621 \\
 \underline{145} \\
 171 \\
 \underline{145} \\
 26 \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$1621 \div 31 = 52 \text{ remainder } 9$$

$$\begin{array}{r} 52 \\ 31 \overline{) 1621} \\ \underline{155} \\ 71 \\ \underline{62} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$1621 \div 37 = 43 \text{ remainder } 30$$

$$\begin{array}{r} 43 \\ 37 \overline{) 1621} \\ \underline{148} \\ 141 \\ \underline{111} \\ 30 \end{array} \leftarrow \text{remainder}$$

P₂₅₈ 1627

$$1627 \div 2 = 813 \text{ remainder } 1$$

$$\begin{array}{r} 813 \\ 2 \mid 1627 \\ \underline{16} \\ -- \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1627 \div 3 = 542 \text{ remainder } 1$$

$$\begin{array}{r} 542 \\ 3 \mid 1627 \\ \underline{15} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1627 \div 5 = 325 \text{ remainder } 2$$

$$\begin{array}{r} 325 \\ 5 \mid 1627 \\ \underline{15} \\ -- \\ 12 \\ \underline{10} \\ -- \\ 27 \\ \underline{25} \\ -- \end{array}$$

--
2 ← remainder

$$1627 \div 7 = 232 \text{ remainder } 3$$

232
7 | 1627
14
--
22
21
--
17
14
--
3 ← remainder

$$1627 \div 11 = 147 \text{ remainder } 10$$

147
11 | 1627
11
--
52
44
--
87
77
--
10 ← remainder

$$1627 \div 13 = 125 \text{ remainder } 2$$

125
13 | 1627
13
--
32
26
--
67
65
--
2 ← remainder

$$1627 \div 17 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 17 \overline{) 1627} \\ \underline{153} \\ 97 \\ \underline{85} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$1627 \div 19 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 19 \overline{) 1627} \\ \underline{152} \\ 107 \\ \underline{95} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$1627 \div 23 = 70 \text{ remainder } 17$$

$$\begin{array}{r} 70 \\ 23 \overline{) 1627} \\ \underline{161} \\ 17 \\ \underline{0} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$1627 \div 29 = 56 \text{ remainder } 3$$

$$\begin{array}{r} 56 \\ 29 \overline{) 1627} \\ \underline{145} \\ 177 \\ \underline{174} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1627 \div 31 = 52 \text{ remainder } 15$$

$$\begin{array}{r} 52 \\ 31 \mid 1627 \\ \underline{155} \\ 77 \\ \underline{62} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1627 \div 37 = 43 \text{ remainder } 36$$

$$\begin{array}{r} 43 \\ 37 \mid 1627 \\ \underline{148} \\ 147 \\ \underline{111} \\ 36 \leftarrow \text{remainder} \end{array}$$

P₂₅₉ 1637

$$1637 \div 2 = 818 \text{ remainder } 1$$

$$\begin{array}{r} 818 \\ 2 \mid 1637 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1637 \div 3 = 545 \text{ remainder } 2$$

$$\begin{array}{r} 545 \\ 3 \mid 1637 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1637 \div 5 = 327 \text{ remainder } 2$$

$$\begin{array}{r} 327 \\ 5 \mid 1637 \\ \underline{15} \\ -- \\ 13 \\ \underline{10} \\ -- \\ 37 \\ \underline{35} \\ -- \end{array}$$

--
2 ← remainder

$$1637 \div 7 = 233 \text{ remainder } 6$$

233
7 | 1637
14
--
23
21
--
27
21
--
6 ← remainder

$$1637 \div 11 = 148 \text{ remainder } 9$$

148
11 | 1637
11
--
53
44
--
97
88
--
9 ← remainder

$$1637 \div 13 = 125 \text{ remainder } 12$$

125
13 | 1637
13
--
33
26
--
77
65
--
12 ← remainder

$$1637 \div 17 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 17 \overline{) 1637} \\ \underline{153} \\ 107 \\ \underline{102} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$1637 \div 19 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 19 \overline{) 1637} \\ \underline{152} \\ 117 \\ \underline{114} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1637 \div 23 = 71 \text{ remainder } 4$$

$$\begin{array}{r} 71 \\ 23 \overline{) 1637} \\ \underline{161} \\ 27 \\ \underline{23} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1637 \div 29 = 56 \text{ remainder } 13$$

$$\begin{array}{r} 56 \\ 29 \overline{) 1637} \\ \underline{145} \\ 187 \\ \underline{174} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1637 \div 31 = 52 \text{ remainder } 25$$

$$\begin{array}{r} 52 \\ 31 \overline{) 1637} \\ \underline{155} \\ 87 \\ \underline{62} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$1637 \div 37 = 44 \text{ remainder } 9$$

$$\begin{array}{r} 44 \\ 37 \overline{) 1637} \\ \underline{148} \\ 157 \\ \underline{148} \\ 9 \leftarrow \text{remainder} \end{array}$$

P₂₆₀ 1657

$$1657 \div 2 = 828 \text{ remainder } 1$$

$$\begin{array}{r} 828 \\ 2 \mid 1657 \\ \underline{16} \\ -- \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1657 \div 3 = 552 \text{ remainder } 1$$

$$\begin{array}{r} 552 \\ 3 \mid 1657 \\ \underline{15} \\ -- \\ 15 \\ \underline{15} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1657 \div 5 = 331 \text{ remainder } 2$$

$$\begin{array}{r} 331 \\ 5 \mid 1657 \\ \underline{15} \\ -- \\ 15 \\ \underline{15} \\ -- \\ 7 \\ \underline{5} \\ -- \end{array}$$

-
2 ← remainder

$1657 \div 7 = 236$ remainder 5

236
7 | 1657
14
--
25
21
--
47
42
--
5 ← remainder

$1657 \div 11 = 150$ remainder 7

150
11 | 1657
11
--
55
55
--
7
0
-
7 ← remainder

$1657 \div 13 = 127$ remainder 6

127
13 | 1657
13
--
35
26
--
97
91
--
6 ← remainder

$$1657 \div 17 = 97 \text{ remainder } 8$$

$$\begin{array}{r} 97 \\ 17 \overline{) 1657} \\ \underline{153} \\ 127 \\ \underline{119} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$1657 \div 19 = 87 \text{ remainder } 4$$

$$\begin{array}{r} 87 \\ 19 \overline{) 1657} \\ \underline{152} \\ 137 \\ \underline{133} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1657 \div 23 = 72 \text{ remainder } 1$$

$$\begin{array}{r} 72 \\ 23 \overline{) 1657} \\ \underline{161} \\ 47 \\ \underline{46} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1657 \div 29 = 57 \text{ remainder } 4$$

$$\begin{array}{r} 57 \\ 29 \overline{) 1657} \\ \underline{145} \\ 207 \\ \underline{203} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$1657 \div 31 = 53 \text{ remainder } 14$$

$$\begin{array}{r} 53 \\ 31 \overline{) 1657} \\ \underline{155} \\ 107 \\ \underline{93} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$1657 \div 37 = 44 \text{ remainder } 29$$

$$\begin{array}{r} 44 \\ 37 \overline{) 1657} \\ \underline{148} \\ 177 \\ \underline{148} \\ 29 \end{array} \leftarrow \text{remainder}$$

P₂₆₁ 1663

$$1663 \div 2 = 831 \text{ remainder } 1$$

$$\begin{array}{r} 831 \\ 2 \mid 1663 \\ \underline{16} \\ -- \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1663 \div 3 = 554 \text{ remainder } 1$$

$$\begin{array}{r} 554 \\ 3 \mid 1663 \\ \underline{15} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1663 \div 5 = 332 \text{ remainder } 3$$

$$\begin{array}{r} 332 \\ 5 \mid 1663 \\ \underline{15} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{10} \\ \end{array}$$

--
3 ← remainder

$$1663 \div 7 = 237 \text{ remainder } 4$$

237
7 | 1663
14
--
26
21
--
53
49
--
4 ← remainder

$$1663 \div 11 = 151 \text{ remainder } 2$$

151
11 | 1663
11
--
56
55
--
13
11
--
2 ← remainder

$$1663 \div 13 = 127 \text{ remainder } 12$$

127
13 | 1663
13
--
36
26
--
103
91
--
12 ← remainder

$$1663 \div 17 = 97 \text{ remainder } 14$$

$$\begin{array}{r} 97 \\ 17 \overline{) 1663} \\ \underline{153} \\ 133 \\ \underline{119} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1663 \div 19 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 19 \overline{) 1663} \\ \underline{152} \\ 143 \\ \underline{133} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1663 \div 23 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 23 \overline{) 1663} \\ \underline{161} \\ 53 \\ \underline{46} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$1663 \div 29 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 29 \overline{) 1663} \\ \underline{145} \\ 213 \\ \underline{203} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1663 \div 31 = 53 \text{ remainder } 20$$

$$\begin{array}{r} 53 \\ 31 \overline{) 1663} \\ \underline{155} \\ 113 \\ \underline{93} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$1663 \div 37 = 44 \text{ remainder } 35$$

$$\begin{array}{r} 44 \\ 37 \overline{) 1663} \\ \underline{148} \\ 183 \\ \underline{148} \\ 35 \end{array} \leftarrow \text{remainder}$$

P₂₆₂ 1667

$$1667 \div 2 = 833 \text{ remainder } 1$$

$$\begin{array}{r} 833 \\ 2 \mid 1667 \\ \underline{16} \\ -- \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1667 \div 3 = 555 \text{ remainder } 2$$

$$\begin{array}{r} 555 \\ 3 \mid 1667 \\ \underline{15} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1667 \div 5 = 333 \text{ remainder } 2$$

$$\begin{array}{r} 333 \\ 5 \mid 1667 \\ \underline{15} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \end{array}$$

--
2 ← remainder

$1667 \div 7 = 238$ remainder 1

238
7 | 1667
14
--
26
21
--
57
56
--
1 ← remainder

$1667 \div 11 = 151$ remainder 6

151
11 | 1667
11
--
56
55
--
17
11
--
6 ← remainder

$1667 \div 13 = 128$ remainder 3

128
13 | 1667
13
--
36
26
--
107
104

3 ← remainder

$$1667 \div 17 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 17 \overline{) 1667} \\ \underline{153} \\ 137 \\ \underline{136} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1667 \div 19 = 87 \text{ remainder } 14$$

$$\begin{array}{r} 87 \\ 19 \overline{) 1667} \\ \underline{152} \\ 147 \\ \underline{133} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1667 \div 23 = 72 \text{ remainder } 11$$

$$\begin{array}{r} 72 \\ 23 \overline{) 1667} \\ \underline{161} \\ 57 \\ \underline{46} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1667 \div 29 = 57 \text{ remainder } 14$$

$$\begin{array}{r} 57 \\ 29 \overline{) 1667} \\ \underline{145} \\ 217 \\ \underline{203} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1667 \div 31 = 53 \text{ remainder } 24$$

$$\begin{array}{r} 53 \\ 31 \overline{) 1667} \\ \underline{155} \\ 117 \\ \underline{93} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$1667 \div 37 = 45 \text{ remainder } 2$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1667} \\ \underline{148} \\ 187 \\ \underline{185} \\ 2 \end{array} \leftarrow \text{remainder}$$

P₂₆₃ 1669

$$1669 \div 2 = 834 \text{ remainder } 1$$

$$\begin{array}{r} 834 \\ 2 \mid 1669 \\ \underline{16} \\ -- \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1669 \div 3 = 556 \text{ remainder } 1$$

$$\begin{array}{r} 556 \\ 3 \mid 1669 \\ \underline{15} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1669 \div 5 = 333 \text{ remainder } 4$$

$$\begin{array}{r} 333 \\ 5 \mid 1669 \\ \underline{15} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 19 \\ \underline{15} \\ -- \end{array}$$

--
4 ← remainder

$$1669 \div 7 = 238 \text{ remainder } 3$$

238
7 | 1669
14
--
26
21
--
59
56
--
3 ← remainder

$$1669 \div 11 = 151 \text{ remainder } 8$$

151
11 | 1669
11
--
56
55
--
19
11
--
8 ← remainder

$$1669 \div 13 = 128 \text{ remainder } 5$$

128
13 | 1669
13
--
36
26
--
109
104

5 ← remainder

$$1669 \div 17 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 17 \overline{) 1669} \\ \underline{153} \\ 139 \\ \underline{136} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$1669 \div 19 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 19 \overline{) 1669} \\ \underline{152} \\ 149 \\ \underline{133} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$1669 \div 23 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 23 \overline{) 1669} \\ \underline{161} \\ 59 \\ \underline{46} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$1669 \div 29 = 57 \text{ remainder } 16$$

$$\begin{array}{r} 57 \\ 29 \overline{) 1669} \\ \underline{145} \\ 219 \\ \underline{203} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$1669 \div 31 = 53 \text{ remainder } 26$$

$$\begin{array}{r} 53 \\ 31 \overline{) 1669} \\ \underline{155} \\ 119 \\ \underline{93} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$1669 \div 37 = 45 \text{ remainder } 4$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1669} \\ \underline{148} \\ 189 \\ \underline{185} \\ 4 \leftarrow \text{remainder} \end{array}$$

P₂₆₄ 1693

$$1693 \div 2 = 846 \text{ remainder } 1$$

$$\begin{array}{r} 846 \\ 2 \mid 1693 \\ 16 \\ \hline 9 \\ 8 \\ \hline 13 \\ 12 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1693 \div 3 = 564 \text{ remainder } 1$$

$$\begin{array}{r} 564 \\ 3 \mid 1693 \\ 15 \\ \hline 19 \\ 18 \\ \hline 13 \\ 12 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1693 \div 5 = 338 \text{ remainder } 3$$

$$\begin{array}{r} 338 \\ 5 \mid 1693 \\ 15 \\ \hline 19 \\ 15 \\ \hline 43 \\ 40 \end{array}$$

--
3 ← remainder

$$1693 \div 7 = 241 \text{ remainder } 6$$

241
7 | 1693
14
--
29
28
--
13
7
-
6 ← remainder

$$1693 \div 11 = 153 \text{ remainder } 10$$

153
11 | 1693
11
--
59
55
--
43
33
--
10 ← remainder

$$1693 \div 13 = 130 \text{ remainder } 3$$

130
13 | 1693
13
--
39
39
--
3
0
-
3 ← remainder

$$1693 \div 17 = 99 \text{ remainder } 10$$

$$\begin{array}{r} 99 \\ 17 \overline{) 1693} \\ \underline{153} \\ 163 \\ \underline{153} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$1693 \div 19 = 89 \text{ remainder } 2$$

$$\begin{array}{r} 89 \\ 19 \overline{) 1693} \\ \underline{152} \\ 173 \\ \underline{171} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1693 \div 23 = 73 \text{ remainder } 14$$

$$\begin{array}{r} 73 \\ 23 \overline{) 1693} \\ \underline{161} \\ 83 \\ \underline{69} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1693 \div 29 = 58 \text{ remainder } 11$$

$$\begin{array}{r} 58 \\ 29 \overline{) 1693} \\ \underline{145} \\ 243 \\ \underline{232} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$1693 \div 31 = 54 \text{ remainder } 19$$

$$\begin{array}{r} 54 \\ 31 \overline{) 1693} \\ \underline{155} \\ 143 \\ \underline{124} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$1693 \div 37 = 45 \text{ remainder } 28$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1693} \\ \underline{148} \\ 213 \\ \underline{185} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$1693 \div 41 = 41 \text{ remainder } 12$$

$$\begin{array}{r} 41 \\ 41 \overline{) 1693} \\ \underline{164} \\ 53 \\ \underline{41} \\ 12 \leftarrow \text{remainder} \end{array}$$

P₂₆₅ 1697

$$1697 \div 2 = 848 \text{ remainder } 1$$

$$\begin{array}{r} 848 \\ 2 \mid 1697 \\ \underline{16} \\ -- \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 3 = 565 \text{ remainder } 2$$

$$\begin{array}{r} 565 \\ 3 \mid 1697 \\ \underline{15} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 5 = 339 \text{ remainder } 2$$

$$\begin{array}{r} 339 \\ 5 \mid 1697 \\ \underline{15} \\ -- \\ 19 \\ \underline{15} \\ -- \\ 47 \\ \underline{45} \\ -- \end{array}$$

--
2 ← remainder

$$1697 \div 7 = 242 \text{ remainder } 3$$

242
7 | 1697
14
--
29
28
--
17
14
--
3 ← remainder

$$1697 \div 11 = 154 \text{ remainder } 3$$

154
11 | 1697
11
--
59
55
--
47
44
--
3 ← remainder

$$1697 \div 13 = 130 \text{ remainder } 7$$

130
13 | 1697
13
--
39
39
--
7
0
--
7 ← remainder

$$1697 \div 17 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 17 \overline{) 1697} \\ \underline{153} \\ 167 \\ \underline{153} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 19 = 89 \text{ remainder } 6$$

$$\begin{array}{r} 89 \\ 19 \overline{) 1697} \\ \underline{152} \\ 177 \\ \underline{171} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 23 = 73 \text{ remainder } 18$$

$$\begin{array}{r} 73 \\ 23 \overline{) 1697} \\ \underline{161} \\ 87 \\ \underline{69} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 29 = 58 \text{ remainder } 15$$

$$\begin{array}{r} 58 \\ 29 \overline{) 1697} \\ \underline{145} \\ 247 \\ \underline{232} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 31 = 54 \text{ remainder } 23$$

$$\begin{array}{r} 54 \\ 31 \overline{) 1697} \\ \underline{155} \\ 147 \\ \underline{124} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 37 = 45 \text{ remainder } 32$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1697} \\ \underline{148} \\ 217 \\ \underline{185} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$1697 \div 41 = 41 \text{ remainder } 16$$

$$\begin{array}{r} 41 \\ 41 \overline{) 1697} \\ \underline{164} \\ 57 \\ \underline{41} \\ 16 \leftarrow \text{remainder} \end{array}$$

P₂₆₆ 1699

$$1699 \div 2 = 849 \text{ remainder } 1$$

$$\begin{array}{r} 849 \\ 2 \mid 1699 \\ 16 \\ \hline 9 \\ 8 \\ \hline 19 \\ 18 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1699 \div 3 = 566 \text{ remainder } 1$$

$$\begin{array}{r} 566 \\ 3 \mid 1699 \\ 15 \\ \hline 19 \\ 18 \\ \hline 19 \\ 18 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1699 \div 5 = 339 \text{ remainder } 4$$

$$\begin{array}{r} 339 \\ 5 \mid 1699 \\ 15 \\ \hline 19 \\ 15 \\ \hline 49 \\ 45 \end{array}$$

--
4 ← remainder

$$1699 \div 7 = 242 \text{ remainder } 5$$

242
7 | 1699
14
--
29
28
--
19
14
--
5 ← remainder

$$1699 \div 11 = 154 \text{ remainder } 5$$

154
11 | 1699
11
--
59
55
--
49
44
--
5 ← remainder

$$1699 \div 13 = 130 \text{ remainder } 9$$

130
13 | 1699
13
--
39
39
--
9
0
--
9 ← remainder

$$1699 \div 17 = 99 \text{ remainder } 16$$

$$\begin{array}{r} 99 \\ 17 \overline{) 1699} \\ \underline{153} \\ 169 \\ \underline{153} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$1699 \div 19 = 89 \text{ remainder } 8$$

$$\begin{array}{r} 89 \\ 19 \overline{) 1699} \\ \underline{152} \\ 179 \\ \underline{171} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$1699 \div 23 = 73 \text{ remainder } 20$$

$$\begin{array}{r} 73 \\ 23 \overline{) 1699} \\ \underline{161} \\ 89 \\ \underline{69} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$1699 \div 29 = 58 \text{ remainder } 17$$

$$\begin{array}{r} 58 \\ 29 \overline{) 1699} \\ \underline{145} \\ 249 \\ \underline{232} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$1699 \div 31 = 54 \text{ remainder } 25$$

$$\begin{array}{r} 54 \\ 31 \overline{) 1699} \\ \underline{155} \\ 149 \\ \underline{124} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$1699 \div 37 = 45 \text{ remainder } 34$$

$$\begin{array}{r} 45 \\ 37 \overline{) 1699} \\ \underline{148} \\ 219 \\ \underline{185} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$1699 \div 41 = 41 \text{ remainder } 18$$

$$\begin{array}{r} 41 \\ 41 \overline{) 1699} \\ \underline{164} \\ 59 \\ \underline{41} \\ 18 \leftarrow \text{remainder} \end{array}$$

P₂₆₇ 1709

$$1709 \div 2 = 854 \text{ remainder } 1$$

$$\begin{array}{r} 854 \\ 2 \mid 1709 \\ 16 \\ \hline 10 \\ 10 \\ \hline 9 \\ 8 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1709 \div 3 = 569 \text{ remainder } 2$$

$$\begin{array}{r} 569 \\ 3 \mid 1709 \\ 15 \\ \hline 20 \\ 18 \\ \hline 29 \\ 27 \\ \hline 2 \leftarrow \text{remainder} \end{array}$$

$$1709 \div 5 = 341 \text{ remainder } 4$$

$$\begin{array}{r} 341 \\ 5 \mid 1709 \\ 15 \\ \hline 20 \\ 20 \\ \hline 9 \\ 5 \end{array}$$

-
4 ← remainder

$$1709 \div 7 = 244 \text{ remainder } 1$$

244
7 | 1709
14
--
30
28
--
29
28
--
1 ← remainder

$$1709 \div 11 = 155 \text{ remainder } 4$$

155
11 | 1709
11
--
60
55
--
59
55
--
4 ← remainder

$$1709 \div 13 = 131 \text{ remainder } 6$$

131
13 | 1709
13
--
40
39
--
19
13
--
6 ← remainder

$$1709 \div 17 = 100 \text{ remainder } 9$$

$$\begin{array}{r}
 100 \\
 17 \overline{) 1709} \\
 \underline{17} \\
 0 \\
 0 \\
 \underline{} \\
 9 \\
 \underline{} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1709 \div 19 = 89 \text{ remainder } 18$$

$$\begin{array}{r}
 89 \\
 19 \overline{) 1709} \\
 \underline{152} \\
 189 \\
 \underline{ 171} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1709 \div 23 = 74 \text{ remainder } 7$$

$$\begin{array}{r}
 74 \\
 23 \overline{) 1709} \\
 \underline{161} \\
 99 \\
 \underline{ 92} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1709 \div 29 = 58 \text{ remainder } 27$$

$$\begin{array}{r}
 58 \\
 29 \overline{) 1709} \\
 \underline{145} \\
 259 \\
 \underline{ 232}
 \end{array}$$

27 ← remainder

$$1709 \div 31 = 55 \text{ remainder } 4$$

55
31 | 1709
155

159
155

4 ← remainder

$$1709 \div 37 = 46 \text{ remainder } 7$$

46
37 | 1709
148

229
222

7 ← remainder

$$1709 \div 41 = 41 \text{ remainder } 28$$

41
41 | 1709
164

69
41
--
28 ← remainder

P₂₆₈ 1721

$$1721 \div 2 = 860 \text{ remainder } 1$$

$$\begin{array}{r} 860 \\ 2 \mid 1721 \\ \underline{16} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1721 \div 3 = 573 \text{ remainder } 2$$

$$\begin{array}{r} 573 \\ 3 \mid 1721 \\ \underline{15} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1721 \div 5 = 344 \text{ remainder } 1$$

$$\begin{array}{r} 344 \\ 5 \mid 1721 \\ \underline{15} \\ -- \\ 22 \\ \underline{20} \\ -- \\ 21 \\ \underline{20} \end{array}$$

--
1 ← remainder

$$1721 \div 7 = 245 \text{ remainder } 6$$

245
7 | 1721
14
--
32
28
--
41
35
--
6 ← remainder

$$1721 \div 11 = 156 \text{ remainder } 5$$

156
11 | 1721
11
--
62
55
--
71
66
--
5 ← remainder

$$1721 \div 13 = 132 \text{ remainder } 5$$

132
13 | 1721
13
--
42
39
--
31
26
--
5 ← remainder

$$1721 \div 17 = 101 \text{ remainder } 4$$

$$\begin{array}{r}
 101 \\
 17 \overline{) 1721} \\
 \underline{17} \\
 0 \\
 \underline{0} \\
 21 \\
 \underline{17} \\
 4 \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1721 \div 19 = 90 \text{ remainder } 11$$

$$\begin{array}{r}
 90 \\
 19 \overline{) 1721} \\
 \underline{171} \\
 11 \\
 \underline{0} \\
 11 \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1721 \div 23 = 74 \text{ remainder } 19$$

$$\begin{array}{r}
 74 \\
 23 \overline{) 1721} \\
 \underline{161} \\
 111 \\
 \underline{92} \\
 19 \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$1721 \div 29 = 59 \text{ remainder } 10$$

$$\begin{array}{r}
 59 \\
 29 \overline{) 1721} \\
 \underline{145} \\
 271 \\
 \underline{261} \\
 10
 \end{array}$$

10 ← remainder

$$1721 \div 31 = 55 \text{ remainder } 16$$

$$\begin{array}{r} 55 \\ 31 \overline{) 1721} \\ \underline{155} \end{array}$$

171

155

16 ← remainder

$$1721 \div 37 = 46 \text{ remainder } 19$$

$$\begin{array}{r} 46 \\ 37 \overline{) 1721} \\ \underline{148} \end{array}$$

241

222

19 ← remainder

$$1721 \div 41 = 41 \text{ remainder } 40$$

$$\begin{array}{r} 41 \\ 41 \overline{) 1721} \\ \underline{164} \end{array}$$

81

41

--

40 ← remainder

P₂₆₉ 1723

$$1723 \div 2 = 861 \text{ remainder } 1$$

$$\begin{array}{r} 861 \\ 2 \mid 1723 \\ 16 \\ -- \\ 12 \\ 12 \\ -- \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1723 \div 3 = 574 \text{ remainder } 1$$

$$\begin{array}{r} 574 \\ 3 \mid 1723 \\ 15 \\ -- \\ 22 \\ 21 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1723 \div 5 = 344 \text{ remainder } 3$$

$$\begin{array}{r} 344 \\ 5 \mid 1723 \\ 15 \\ -- \\ 22 \\ 20 \\ -- \\ 23 \\ 20 \end{array}$$

--
3 ← remainder

$$1723 \div 7 = 246 \text{ remainder } 1$$

246
7 | 1723
14
--
32
28
--
43
42
--
1 ← remainder

$$1723 \div 11 = 156 \text{ remainder } 7$$

156
11 | 1723
11
--
62
55
--
73
66
--
7 ← remainder

$$1723 \div 13 = 132 \text{ remainder } 7$$

132
13 | 1723
13
--
42
39
--
33
26
--
7 ← remainder

$$1723 \div 17 = 101 \text{ remainder } 6$$

$$\begin{array}{r}
 101 \\
 17 \overline{) 1723} \\
 \underline{17} \\
 -- \\
 2 \\
 0 \\
 - \\
 23 \\
 \underline{17} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1723 \div 19 = 90 \text{ remainder } 13$$

$$\begin{array}{r}
 90 \\
 19 \overline{) 1723} \\
 \underline{171} \\
 --- \\
 13 \\
 0 \\
 - \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1723 \div 23 = 74 \text{ remainder } 21$$

$$\begin{array}{r}
 74 \\
 23 \overline{) 1723} \\
 \underline{161} \\
 --- \\
 113 \\
 \underline{92} \\
 -- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1723 \div 29 = 59 \text{ remainder } 12$$

$$\begin{array}{r}
 59 \\
 29 \overline{) 1723} \\
 \underline{145} \\
 --- \\
 273 \\
 \underline{261}
 \end{array}$$

12 ← remainder

$$1723 \div 31 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 31 \overline{) 1723} \\ \underline{155} \end{array}$$

173

155

18 ← remainder

$$1723 \div 37 = 46 \text{ remainder } 21$$

$$\begin{array}{r} 46 \\ 37 \overline{) 1723} \\ \underline{148} \end{array}$$

243

222

21 ← remainder

$$1723 \div 41 = 42 \text{ remainder } 1$$

$$\begin{array}{r} 42 \\ 41 \overline{) 1723} \\ \underline{164} \end{array}$$

83

82

--

1 ← remainder

P₂₇₀ 1733

$$1733 \div 2 = 866 \text{ remainder } 1$$

$$\begin{array}{r} 866 \\ 2 \mid 1733 \\ \underline{16} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1733 \div 3 = 577 \text{ remainder } 2$$

$$\begin{array}{r} 577 \\ 3 \mid 1733 \\ \underline{15} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1733 \div 5 = 346 \text{ remainder } 3$$

$$\begin{array}{r} 346 \\ 5 \mid 1733 \\ \underline{15} \\ -- \\ 23 \\ \underline{20} \\ -- \\ 33 \\ \underline{30} \end{array}$$

--
3 ← remainder

$$1733 \div 7 = 247 \text{ remainder } 4$$

247
7 | 1733
14
--
33
28
--
53
49
--
4 ← remainder

$$1733 \div 11 = 157 \text{ remainder } 6$$

157
11 | 1733
11
--
63
55
--
83
77
--
6 ← remainder

$$1733 \div 13 = 133 \text{ remainder } 4$$

133
13 | 1733
13
--
43
39
--
43
39
--
4 ← remainder

$$1733 \div 17 = 101 \text{ remainder } 16$$

$$\begin{array}{r}
 101 \\
 17 \overline{) 1733} \\
 \underline{17} \\
 -- \\
 3 \\
 \underline{0} \\
 - \\
 33 \\
 \underline{17} \\
 -- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1733 \div 19 = 91 \text{ remainder } 4$$

$$\begin{array}{r}
 91 \\
 19 \overline{) 1733} \\
 \underline{171} \\
 --- \\
 23 \\
 \underline{19} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1733 \div 23 = 75 \text{ remainder } 8$$

$$\begin{array}{r}
 75 \\
 23 \overline{) 1733} \\
 \underline{161} \\
 --- \\
 123 \\
 \underline{115} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1733 \div 29 = 59 \text{ remainder } 22$$

$$\begin{array}{r}
 59 \\
 29 \overline{) 1733} \\
 \underline{145} \\
 --- \\
 283 \\
 \underline{261} \\

 \end{array}$$

22 ← remainder

$$1733 \div 31 = 55 \text{ remainder } 28$$

55
31 | 1733
155

183
155

28 ← remainder

$$1733 \div 37 = 46 \text{ remainder } 31$$

46
37 | 1733
148

253
222

31 ← remainder

$$1733 \div 41 = 42 \text{ remainder } 11$$

42
41 | 1733
164

93
82
--
11 ← remainder

P₂₇₁ 1741

$$1741 \div 2 = 870 \text{ remainder } 1$$

$$\begin{array}{r} 870 \\ 2 \mid 1741 \\ \underline{16} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1741 \div 3 = 580 \text{ remainder } 1$$

$$\begin{array}{r} 580 \\ 3 \mid 1741 \\ \underline{15} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1741 \div 5 = 348 \text{ remainder } 1$$

$$\begin{array}{r} 348 \\ 5 \mid 1741 \\ \underline{15} \\ - - \\ 24 \\ \underline{20} \\ - - \\ 41 \\ \underline{40} \end{array}$$

--
1 ← remainder

$$1741 \div 7 = 248 \text{ remainder } 5$$

248
7 | 1741
14
--
34
28
--
61
56
--
5 ← remainder

$$1741 \div 11 = 158 \text{ remainder } 3$$

158
11 | 1741
11
--
64
55
--
91
88
--
3 ← remainder

$$1741 \div 13 = 133 \text{ remainder } 12$$

133
13 | 1741
13
--
44
39
--
51
39
--
12 ← remainder

```

    102
17 | 1741
    17
    --
     4
     0
     -
    41
    34
    --
    7 ← remainder

```

```

    91
19 | 1741
    171
    ---
    31
    19
    --
    12 ← remainder

```

```

      75
23 | 1741
    161
    ---
    131
    115
    ---
    16 ← remainder

```

$$\begin{array}{r} 60 \\ 29 \mid 1741 \\ 174 \\ \hline 1 \\ 0 \end{array}$$

-
1 ← remainder

$$1741 \div 31 = 56 \text{ remainder } 5$$

```
      56
31 | 1741
    155
    ---
     191
     186
     ---
       5 ← remainder
```

$$1741 \div 37 = 47 \text{ remainder } 2$$

```
      47
37 | 1741
    148
    ---
     261
     259
     ---
       2 ← remainder
```

$$1741 \div 41 = 42 \text{ remainder } 19$$

```
      42
41 | 1741
    164
    ---
     101
      82
      --
      19 ← remainder
```


P₂₇₂ 1747

$$1747 \div 2 = 873 \text{ remainder } 1$$

$$\begin{array}{r} 873 \\ 2 \mid 1747 \\ 16 \\ -- \\ 14 \\ 14 \\ -- \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1747 \div 3 = 582 \text{ remainder } 1$$

$$\begin{array}{r} 582 \\ 3 \mid 1747 \\ 15 \\ -- \\ 24 \\ 24 \\ -- \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1747 \div 5 = 349 \text{ remainder } 2$$

$$\begin{array}{r} 349 \\ 5 \mid 1747 \\ 15 \\ -- \\ 24 \\ 20 \\ -- \\ 47 \\ 45 \end{array}$$

--
2 ← remainder

$$1747 \div 7 = 249 \text{ remainder } 4$$

249
7 | 1747
14
--
34
28
--
67
63
--
4 ← remainder

$$1747 \div 11 = 158 \text{ remainder } 9$$

158
11 | 1747
11
--
64
55
--
97
88
--
9 ← remainder

$$1747 \div 13 = 134 \text{ remainder } 5$$

134
13 | 1747
13
--
44
39
--
57
52
--
5 ← remainder

$$1747 \div 17 = 102 \text{ remainder } 13$$

$$\begin{array}{r}
 102 \\
 17 \overline{) 1747} \\
 \underline{17} \\
 -- \\
 4 \\
 \underline{0} \\
 - \\
 47 \\
 \underline{34} \\
 -- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1747 \div 19 = 91 \text{ remainder } 18$$

$$\begin{array}{r}
 91 \\
 19 \overline{) 1747} \\
 \underline{171} \\
 --- \\
 37 \\
 \underline{19} \\
 -- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1747 \div 23 = 75 \text{ remainder } 22$$

$$\begin{array}{r}
 75 \\
 23 \overline{) 1747} \\
 \underline{161} \\
 --- \\
 137 \\
 \underline{115} \\
 --- \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$1747 \div 29 = 60 \text{ remainder } 7$$

$$\begin{array}{r}
 60 \\
 29 \overline{) 1747} \\
 \underline{174} \\
 --- \\
 7 \\
 \underline{0} \\

 \end{array}$$

-
7 ← remainder

$1747 \div 31 = 56$ remainder 11

```
      56
31 | 1747
    155
    ---
    197
    186
    ---
    11 ← remainder
```

$1747 \div 37 = 47$ remainder 8

```
      47
37 | 1747
    148
    ---
    267
    259
    ---
     8 ← remainder
```

$1747 \div 41 = 42$ remainder 25

```
      42
41 | 1747
    164
    ---
    107
     82
     --
    25 ← remainder
```

P₂₇₃ 1753

$$1753 \div 2 = 876 \text{ remainder } 1$$

$$\begin{array}{r} 876 \\ 2 \mid 1753 \\ 16 \\ -- \\ 15 \\ 14 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1753 \div 3 = 584 \text{ remainder } 1$$

$$\begin{array}{r} 584 \\ 3 \mid 1753 \\ 15 \\ -- \\ 25 \\ 24 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1753 \div 5 = 350 \text{ remainder } 3$$

$$\begin{array}{r} 350 \\ 5 \mid 1753 \\ 15 \\ -- \\ 25 \\ 25 \\ -- \\ 3 \\ 0 \end{array}$$

-
3 ← remainder

$$1753 \div 7 = 250 \text{ remainder } 3$$

250
7 | 1753
14
--
35
35
--
3
0
-
3 ← remainder

$$1753 \div 11 = 159 \text{ remainder } 4$$

159
11 | 1753
11
--
65
55
--
103
99
--
4 ← remainder

$$1753 \div 13 = 134 \text{ remainder } 11$$

134
13 | 1753
13
--
45
39
--
63
52
--
11 ← remainder

$$1753 \div 17 = 103 \text{ remainder } 2$$

$$\begin{array}{r}
 103 \\
 17 \overline{) 1753} \\
 \underline{17} \\
 -- \\
 5 \\
 \underline{0} \\
 - \\
 53 \\
 \underline{51} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1753 \div 19 = 92 \text{ remainder } 5$$

$$\begin{array}{r}
 92 \\
 19 \overline{) 1753} \\
 \underline{171} \\
 --- \\
 43 \\
 \underline{38} \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1753 \div 23 = 76 \text{ remainder } 5$$

$$\begin{array}{r}
 76 \\
 23 \overline{) 1753} \\
 \underline{161} \\
 --- \\
 143 \\
 \underline{138} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1753 \div 29 = 60 \text{ remainder } 13$$

$$\begin{array}{r}
 60 \\
 29 \overline{) 1753} \\
 \underline{174} \\
 --- \\
 13 \\
 \underline{0} \\
 0
 \end{array}$$

-
13 ← remainder

$$1753 \div 31 = 56 \text{ remainder } 17$$

56
31 | 1753
155

203
186

17 ← remainder

$$1753 \div 37 = 47 \text{ remainder } 14$$

47
37 | 1753
148

273
259

14 ← remainder

$$1753 \div 41 = 42 \text{ remainder } 31$$

42
41 | 1753
164

113
82
--
31 ← remainder

P₂₇₄ 1759

$$1759 \div 2 = 879 \text{ remainder } 1$$

$$\begin{array}{r} 879 \\ 2 \mid 1759 \\ 16 \\ -- \\ 15 \\ 14 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1759 \div 3 = 586 \text{ remainder } 1$$

$$\begin{array}{r} 586 \\ 3 \mid 1759 \\ 15 \\ -- \\ 25 \\ 24 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1759 \div 5 = 351 \text{ remainder } 4$$

$$\begin{array}{r} 351 \\ 5 \mid 1759 \\ 15 \\ -- \\ 25 \\ 25 \\ -- \\ 9 \\ 5 \end{array}$$

-
4 ← remainder

$$1759 \div 7 = 251 \text{ remainder } 2$$

251
7 | 1759
14
--
35
35
--
9
7
-
2 ← remainder

$$1759 \div 11 = 159 \text{ remainder } 10$$

159
11 | 1759
11
--
65
55
--
109
99
--
10 ← remainder

$$1759 \div 13 = 135 \text{ remainder } 4$$

135
13 | 1759
13
--
45
39
--
69
65
--
4 ← remainder

$$1759 \div 17 = 103 \text{ remainder } 8$$

$$\begin{array}{r}
 103 \\
 17 \overline{) 1759} \\
 \underline{17} \\
 -- \\
 5 \\
 0 \\
 - \\
 59 \\
 \underline{51} \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1759 \div 19 = 92 \text{ remainder } 11$$

$$\begin{array}{r}
 92 \\
 19 \overline{) 1759} \\
 \underline{171} \\
 --- \\
 49 \\
 \underline{38} \\
 -- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1759 \div 23 = 76 \text{ remainder } 11$$

$$\begin{array}{r}
 76 \\
 23 \overline{) 1759} \\
 \underline{161} \\
 --- \\
 149 \\
 \underline{138} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1759 \div 29 = 60 \text{ remainder } 19$$

$$\begin{array}{r}
 60 \\
 29 \overline{) 1759} \\
 \underline{174} \\
 --- \\
 19 \\
 0
 \end{array}$$

-
19 ← remainder

$$1759 \div 31 = 56 \text{ remainder } 23$$

56
31 | 1759
155

209
186

23 ← remainder

$$1759 \div 37 = 47 \text{ remainder } 20$$

47
37 | 1759
148

279
259

20 ← remainder

$$1759 \div 41 = 42 \text{ remainder } 37$$

42
41 | 1759
164

119
82
--
37 ← remainder

P₂₇₅ 1777

$$1777 \div 2 = 888 \text{ remainder } 1$$

$$\begin{array}{r} 888 \\ 2 \mid 1777 \\ 16 \\ -- \\ 17 \\ 16 \\ -- \\ 17 \\ 16 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1777 \div 3 = 592 \text{ remainder } 1$$

$$\begin{array}{r} 592 \\ 3 \mid 1777 \\ 15 \\ -- \\ 27 \\ 27 \\ -- \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1777 \div 5 = 355 \text{ remainder } 2$$

$$\begin{array}{r} 355 \\ 5 \mid 1777 \\ 15 \\ -- \\ 27 \\ 25 \\ -- \\ 27 \\ 25 \end{array}$$

--
2 ← remainder

$$1777 \div 7 = 253 \text{ remainder } 6$$

253
7 | 1777
14
--
37
35
--
27
21
--
6 ← remainder

$$1777 \div 11 = 161 \text{ remainder } 6$$

161
11 | 1777
11
--
67
66
--
17
11
--
6 ← remainder

$$1777 \div 13 = 136 \text{ remainder } 9$$

136
13 | 1777
13
--
47
39
--
87
78
--
9 ← remainder

$$1777 \div 17 = 104 \text{ remainder } 9$$

$$\begin{array}{r}
 104 \\
 17 \overline{) 1777} \\
 \underline{17} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 77 \\
 \underline{68} \\
 -- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1777 \div 19 = 93 \text{ remainder } 10$$

$$\begin{array}{r}
 93 \\
 19 \overline{) 1777} \\
 \underline{171} \\
 --- \\
 67 \\
 \underline{57} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1777 \div 23 = 77 \text{ remainder } 6$$

$$\begin{array}{r}
 77 \\
 23 \overline{) 1777} \\
 \underline{161} \\
 --- \\
 167 \\
 \underline{161} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1777 \div 29 = 61 \text{ remainder } 8$$

$$\begin{array}{r}
 61 \\
 29 \overline{) 1777} \\
 \underline{174} \\
 --- \\
 37 \\
 \underline{29} \\
 --
 \end{array}$$

--
8 ← remainder

$$1777 \div 31 = 57 \text{ remainder } 10$$

57
31 | 1777
155

227
217

10 ← remainder

$$1777 \div 37 = 48 \text{ remainder } 1$$

48
37 | 1777
148

297
296

1 ← remainder

$$1777 \div 41 = 43 \text{ remainder } 14$$

43
41 | 1777
164

137
123

14 ← remainder

P₂₇₆ 1783

$$1783 \div 2 = 891 \text{ remainder } 1$$

$$\begin{array}{r} 891 \\ 2 \mid 1783 \\ 16 \\ -- \\ 18 \\ 18 \\ -- \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1783 \div 3 = 594 \text{ remainder } 1$$

$$\begin{array}{r} 594 \\ 3 \mid 1783 \\ 15 \\ -- \\ 28 \\ 27 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1783 \div 5 = 356 \text{ remainder } 3$$

$$\begin{array}{r} 356 \\ 5 \mid 1783 \\ 15 \\ -- \\ 28 \\ 25 \\ -- \\ 33 \\ 30 \end{array}$$

--
3 ← remainder

$$1783 \div 7 = 254 \text{ remainder } 5$$

254
7 | 1783
14
--
38
35
--
33
28
--
5 ← remainder

$$1783 \div 11 = 162 \text{ remainder } 1$$

162
11 | 1783
11
--
68
66
--
23
22
--
1 ← remainder

$$1783 \div 13 = 137 \text{ remainder } 2$$

137
13 | 1783
13
--
48
39
--
93
91
--
2 ← remainder

$$1783 \div 17 = 104 \text{ remainder } 15$$

$$\begin{array}{r}
 104 \\
 17 \overline{) 1783} \\
 \underline{17} \\
 -- \\
 8 \\
 \underline{0} \\
 - \\
 83 \\
 \underline{68} \\
 -- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1783 \div 19 = 93 \text{ remainder } 16$$

$$\begin{array}{r}
 93 \\
 19 \overline{) 1783} \\
 \underline{171} \\
 --- \\
 73 \\
 \underline{57} \\
 -- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1783 \div 23 = 77 \text{ remainder } 12$$

$$\begin{array}{r}
 77 \\
 23 \overline{) 1783} \\
 \underline{161} \\
 --- \\
 173 \\
 \underline{161} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1783 \div 29 = 61 \text{ remainder } 14$$

$$\begin{array}{r}
 61 \\
 29 \overline{) 1783} \\
 \underline{174} \\
 --- \\
 43 \\
 \underline{29}
 \end{array}$$

--
14 ← remainder

$$1783 \div 31 = 57 \text{ remainder } 16$$

57
31 | 1783
155

233
217

16 ← remainder

$$1783 \div 37 = 48 \text{ remainder } 7$$

48
37 | 1783
148

303
296

7 ← remainder

$$1783 \div 41 = 43 \text{ remainder } 20$$

43
41 | 1783
164

143
123

20 ← remainder

P₂₇₇ 1787

$$1787 \div 2 = 893 \text{ remainder } 1$$

$$\begin{array}{r} 893 \\ 2 \mid 1787 \\ 16 \\ \hline 18 \\ 18 \\ \hline 7 \\ 6 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1787 \div 3 = 595 \text{ remainder } 2$$

$$\begin{array}{r} 595 \\ 3 \mid 1787 \\ 15 \\ \hline 28 \\ 27 \\ \hline 17 \\ 15 \\ \hline 2 \leftarrow \text{remainder} \end{array}$$

$$1787 \div 5 = 357 \text{ remainder } 2$$

$$\begin{array}{r} 357 \\ 5 \mid 1787 \\ 15 \\ \hline 28 \\ 25 \\ \hline 37 \\ 35 \end{array}$$

--
2 ← remainder

$$1787 \div 7 = 255 \text{ remainder } 2$$

255
7 | 1787
14
--
38
35
--
37
35
--
2 ← remainder

$$1787 \div 11 = 162 \text{ remainder } 5$$

162
11 | 1787
11
--
68
66
--
27
22
--
5 ← remainder

$$1787 \div 13 = 137 \text{ remainder } 6$$

137
13 | 1787
13
--
48
39
--
97
91
--
6 ← remainder

$$1787 \div 17 = 105 \text{ remainder } 2$$

$$\begin{array}{r}
 105 \\
 17 \overline{) 1787} \\
 \underline{17} \\
 -- \\
 8 \\
 \underline{0} \\
 - \\
 87 \\
 \underline{85} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1787 \div 19 = 94 \text{ remainder } 1$$

$$\begin{array}{r}
 94 \\
 19 \overline{) 1787} \\
 \underline{171} \\
 --- \\
 77 \\
 \underline{76} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1787 \div 23 = 77 \text{ remainder } 16$$

$$\begin{array}{r}
 77 \\
 23 \overline{) 1787} \\
 \underline{161} \\
 --- \\
 177 \\
 \underline{161} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1787 \div 29 = 61 \text{ remainder } 18$$

$$\begin{array}{r}
 61 \\
 29 \overline{) 1787} \\
 \underline{174} \\
 --- \\
 47 \\
 \underline{29} \\

 \end{array}$$

--

18 ← remainder

$1787 \div 31 = 57$ remainder 20

57
31 | 1787
155

237

217

20 ← remainder

$1787 \div 37 = 48$ remainder 11

48
37 | 1787
148

307

296

11 ← remainder

$1787 \div 41 = 43$ remainder 24

43
41 | 1787
164

147

123

24 ← remainder

P₂₇₈ 1789

$$1789 \div 2 = 894 \text{ remainder } 1$$

$$\begin{array}{r} 894 \\ 2 \mid 1789 \\ \underline{16} \\ -- \\ 18 \\ \underline{18} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1789 \div 3 = 596 \text{ remainder } 1$$

$$\begin{array}{r} 596 \\ 3 \mid 1789 \\ \underline{15} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1789 \div 5 = 357 \text{ remainder } 4$$

$$\begin{array}{r} 357 \\ 5 \mid 1789 \\ \underline{15} \\ -- \\ 28 \\ \underline{25} \\ -- \\ 39 \\ \underline{35} \\ -- \\ 4 \end{array}$$

--
4 ← remainder

$$1789 \div 7 = 255 \text{ remainder } 4$$

255
7 | 1789
14
--
38
35
--
39
35
--
4 ← remainder

$$1789 \div 11 = 162 \text{ remainder } 7$$

162
11 | 1789
11
--
68
66
--
29
22
--
7 ← remainder

$$1789 \div 13 = 137 \text{ remainder } 8$$

137
13 | 1789
13
--
48
39
--
99
91
--
8 ← remainder

$$1789 \div 17 = 105 \text{ remainder } 4$$

$$\begin{array}{r}
 105 \\
 17 \overline{) 1789} \\
 \underline{17} \\
 -- \\
 8 \\
 \underline{0} \\
 - \\
 89 \\
 \underline{85} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1789 \div 19 = 94 \text{ remainder } 3$$

$$\begin{array}{r}
 94 \\
 19 \overline{) 1789} \\
 \underline{171} \\
 --- \\
 79 \\
 \underline{76} \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1789 \div 23 = 77 \text{ remainder } 18$$

$$\begin{array}{r}
 77 \\
 23 \overline{) 1789} \\
 \underline{161} \\
 --- \\
 179 \\
 \underline{161} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1789 \div 29 = 61 \text{ remainder } 20$$

$$\begin{array}{r}
 61 \\
 29 \overline{) 1789} \\
 \underline{174} \\
 --- \\
 49 \\
 \underline{29}
 \end{array}$$

--
20 ← remainder

$$1789 \div 31 = 57 \text{ remainder } 22$$

57
31 | 1789
155

239
217

22 ← remainder

$$1789 \div 37 = 48 \text{ remainder } 13$$

48
37 | 1789
148

309
296

13 ← remainder

$$1789 \div 41 = 43 \text{ remainder } 26$$

43
41 | 1789
164

149
123

26 ← remainder

P₂₇₉ 1801

$$1801 \div 2 = 900 \text{ remainder } 1$$

$$\begin{array}{r} 900 \\ 2 \mid 1801 \\ \underline{18} \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1801 \div 3 = 600 \text{ remainder } 1$$

$$\begin{array}{r} 600 \\ 3 \mid 1801 \\ \underline{18} \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1801 \div 5 = 360 \text{ remainder } 1$$

$$\begin{array}{r} 360 \\ 5 \mid 1801 \\ \underline{15} \\ 30 \\ \underline{30} \\ 1 \\ 0 \end{array}$$

-
1 ← remainder

$1801 \div 7 = 257 \text{ remainder } 2$

257
7 | 1801
14
--
40
35
--
51
49
--
2 ← remainder

$1801 \div 11 = 163 \text{ remainder } 8$

163
11 | 1801
11
--
70
66
--
41
33
--
8 ← remainder

$1801 \div 13 = 138 \text{ remainder } 7$

138
13 | 1801
13
--
50
39
--
111
104
--
7 ← remainder

$$1801 \div 17 = 105 \text{ remainder } 16$$

$$\begin{array}{r}
 105 \\
 17 \overline{) 1801} \\
 \underline{17} \\
 -- \\
 10 \\
 \underline{0} \\
 - \\
 101 \\
 \underline{85} \\
 -- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1801 \div 19 = 94 \text{ remainder } 15$$

$$\begin{array}{r}
 94 \\
 19 \overline{) 1801} \\
 \underline{171} \\
 --- \\
 91 \\
 \underline{76} \\
 -- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1801 \div 23 = 78 \text{ remainder } 7$$

$$\begin{array}{r}
 78 \\
 23 \overline{) 1801} \\
 \underline{161} \\
 --- \\
 191 \\
 \underline{184} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1801 \div 29 = 62 \text{ remainder } 3$$

$$\begin{array}{r}
 62 \\
 29 \overline{) 1801} \\
 \underline{174} \\
 --- \\
 61 \\
 \underline{58} \\
 --- \\
 3
 \end{array}$$

--
3 ← remainder

$$1801 \div 31 = 58 \text{ remainder } 3$$

58
31 | 1801
155

251
248

3 ← remainder

$$1801 \div 37 = 48 \text{ remainder } 25$$

48
37 | 1801
148

321
296

25 ← remainder

$$1801 \div 41 = 43 \text{ remainder } 38$$

43
41 | 1801
164

161
123

38 ← remainder

P₂₈₀ 1811

$$1811 \div 2 = 905 \text{ remainder } 1$$

$$\begin{array}{r} 905 \\ 2 \mid 1811 \\ \underline{18} \\ -- \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1811 \div 3 = 603 \text{ remainder } 2$$

$$\begin{array}{r} 603 \\ 3 \mid 1811 \\ \underline{18} \\ -- \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1811 \div 5 = 362 \text{ remainder } 1$$

$$\begin{array}{r} 362 \\ 5 \mid 1811 \\ \underline{15} \\ -- \\ 31 \\ \underline{30} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \end{array}$$

--
1 ← remainder

$1811 \div 7 = 258 \text{ remainder } 5$

258
7 | 1811
14
--
41
35
--
61
56
--
5 ← remainder

$1811 \div 11 = 164 \text{ remainder } 7$

164
11 | 1811
11
--
71
66
--
51
44
--
7 ← remainder

$1811 \div 13 = 139 \text{ remainder } 4$

139
13 | 1811
13
--
51
39
--
121
117

4 ← remainder

$$1811 \div 17 = 106 \text{ remainder } 9$$

$$\begin{array}{r}
 106 \\
 17 \overline{) 1811} \\
 \underline{17} \\
 11 \\
 \underline{0} \\
 111 \\
 \underline{102} \\
 9 \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1811 \div 19 = 95 \text{ remainder } 6$$

$$\begin{array}{r}
 95 \\
 19 \overline{) 1811} \\
 \underline{171} \\
 101 \\
 \underline{95} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1811 \div 23 = 78 \text{ remainder } 17$$

$$\begin{array}{r}
 78 \\
 23 \overline{) 1811} \\
 \underline{161} \\
 201 \\
 \underline{184} \\
 17 \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$1811 \div 29 = 62 \text{ remainder } 13$$

$$\begin{array}{r}
 62 \\
 29 \overline{) 1811} \\
 \underline{174} \\
 71 \\
 \underline{58} \\
 13
 \end{array}$$

--
13 ← remainder

$$1811 \div 31 = 58 \text{ remainder } 13$$

58
31 | 1811
155

261
248

13 ← remainder

$$1811 \div 37 = 48 \text{ remainder } 35$$

48
37 | 1811
148

331
296

35 ← remainder

$$1811 \div 41 = 44 \text{ remainder } 7$$

44
41 | 1811
164

171
164

7 ← remainder

P₂₈₁ 1823

$$1823 \div 2 = 911 \text{ remainder } 1$$

$$\begin{array}{r} 911 \\ 2 \mid 1823 \\ \underline{18} \\ -- \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1823 \div 3 = 607 \text{ remainder } 2$$

$$\begin{array}{r} 607 \\ 3 \mid 1823 \\ \underline{18} \\ -- \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1823 \div 5 = 364 \text{ remainder } 3$$

$$\begin{array}{r} 364 \\ 5 \mid 1823 \\ \underline{15} \\ -- \\ 32 \\ \underline{30} \\ -- \\ 23 \\ \underline{20} \\ -- \end{array}$$

--
3 ← remainder

$$1823 \div 7 = 260 \text{ remainder } 3$$

260
7 | 1823
14
--
42
42
--
3
0
-
3 ← remainder

$$1823 \div 11 = 165 \text{ remainder } 8$$

165
11 | 1823
11
--
72
66
--
63
55
--
8 ← remainder

$$1823 \div 13 = 140 \text{ remainder } 3$$

140
13 | 1823
13
--
52
52
--
3
0
-
3 ← remainder

$$1823 \div 17 = 107 \text{ remainder } 4$$

$$\begin{array}{r}
 107 \\
 17 \overline{) 1823} \\
 \underline{17} \\
 -- \\
 12 \\
 \underline{0} \\
 - \\
 123 \\
 \underline{119} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1823 \div 19 = 95 \text{ remainder } 18$$

$$\begin{array}{r}
 95 \\
 19 \overline{) 1823} \\
 \underline{171} \\
 --- \\
 113 \\
 \underline{95} \\
 -- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1823 \div 23 = 79 \text{ remainder } 6$$

$$\begin{array}{r}
 79 \\
 23 \overline{) 1823} \\
 \underline{161} \\
 --- \\
 213 \\
 \underline{207} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$1823 \div 29 = 62 \text{ remainder } 25$$

$$\begin{array}{r}
 62 \\
 29 \overline{) 1823} \\
 \underline{174} \\
 --- \\
 83 \\
 \underline{58} \\

 \end{array}$$

--
25 ← remainder

$$1823 \div 31 = 58 \text{ remainder } 25$$

58
31 | 1823
155

273
248

25 ← remainder

$$1823 \div 37 = 49 \text{ remainder } 10$$

49
37 | 1823
148

343
333

10 ← remainder

$$1823 \div 41 = 44 \text{ remainder } 19$$

44
41 | 1823
164

183
164

19 ← remainder

P₂₈₂ 1831

$$1831 \div 2 = 915 \text{ remainder } 1$$

$$\begin{array}{r} 915 \\ 2 \mid 1831 \\ \underline{18} \\ -- \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1831 \div 3 = 610 \text{ remainder } 1$$

$$\begin{array}{r} 610 \\ 3 \mid 1831 \\ \underline{18} \\ -- \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1831 \div 5 = 366 \text{ remainder } 1$$

$$\begin{array}{r} 366 \\ 5 \mid 1831 \\ \underline{15} \\ -- \\ 33 \\ \underline{30} \\ -- \\ 31 \\ \underline{30} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

--
1 ← remainder

$$1831 \div 7 = 261 \text{ remainder } 4$$

261
7 | 1831
14
--
43
42
--
11
7
-
4 ← remainder

$$1831 \div 11 = 166 \text{ remainder } 5$$

166
11 | 1831
11
--
73
66
--
71
66
--
5 ← remainder

$$1831 \div 13 = 140 \text{ remainder } 11$$

140
13 | 1831
13
--
53
52
--
11
0
-
11 ← remainder

$$1831 \div 17 = 107 \text{ remainder } 12$$

$$\begin{array}{r}
 107 \\
 17 \overline{) 1831} \\
 \underline{17} \\
 -- \\
 13 \\
 \underline{0} \\
 - \\
 131 \\
 \underline{119} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1831 \div 19 = 96 \text{ remainder } 7$$

$$\begin{array}{r}
 96 \\
 19 \overline{) 1831} \\
 \underline{171} \\
 --- \\
 121 \\
 \underline{114} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1831 \div 23 = 79 \text{ remainder } 14$$

$$\begin{array}{r}
 79 \\
 23 \overline{) 1831} \\
 \underline{161} \\
 --- \\
 221 \\
 \underline{207} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1831 \div 29 = 63 \text{ remainder } 4$$

$$\begin{array}{r}
 63 \\
 29 \overline{) 1831} \\
 \underline{174} \\
 --- \\
 91 \\
 \underline{87} \\
 --- \\
 4
 \end{array}$$

--
4 ← remainder

$$1831 \div 31 = 59 \text{ remainder } 2$$

59
31 | 1831
155

281
279

2 ← remainder

$$1831 \div 37 = 49 \text{ remainder } 18$$

49
37 | 1831
148

351
333

18 ← remainder

$$1831 \div 41 = 44 \text{ remainder } 27$$

44
41 | 1831
164

191
164

27 ← remainder

P₂₈₃ 1847

$$1847 \div 2 = 923 \text{ remainder } 1$$

$$\begin{array}{r} 923 \\ 2 \mid 1847 \\ \underline{18} \\ -- \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1847 \div 3 = 615 \text{ remainder } 2$$

$$\begin{array}{r} 615 \\ 3 \mid 1847 \\ \underline{18} \\ -- \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1847 \div 5 = 369 \text{ remainder } 2$$

$$\begin{array}{r} 369 \\ 5 \mid 1847 \\ \underline{15} \\ -- \\ 34 \\ \underline{30} \\ -- \\ 47 \\ \underline{45} \\ -- \end{array}$$

--
2 ← remainder

$$1847 \div 7 = 263 \text{ remainder } 6$$

263
7 | 1847
14
--
44
42
--
27
21
--
6 ← remainder

$$1847 \div 11 = 167 \text{ remainder } 10$$

167
11 | 1847
11
--
74
66
--
87
77
--
10 ← remainder

$$1847 \div 13 = 142 \text{ remainder } 1$$

142
13 | 1847
13
--
54
52
--
27
26
--
1 ← remainder

$$1847 \div 17 = 108 \text{ remainder } 11$$

$$\begin{array}{r}
 108 \\
 17 \overline{) 1847} \\
 \underline{17} \\
 -- \\
 14 \\
 \underline{0} \\
 - \\
 147 \\
 \underline{136} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1847 \div 19 = 97 \text{ remainder } 4$$

$$\begin{array}{r}
 97 \\
 19 \overline{) 1847} \\
 \underline{171} \\
 --- \\
 137 \\
 \underline{133} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1847 \div 23 = 80 \text{ remainder } 7$$

$$\begin{array}{r}
 80 \\
 23 \overline{) 1847} \\
 \underline{184} \\
 --- \\
 7 \\
 \underline{0} \\
 - \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1847 \div 29 = 63 \text{ remainder } 20$$

$$\begin{array}{r}
 63 \\
 29 \overline{) 1847} \\
 \underline{174} \\
 --- \\
 107 \\
 \underline{87} \\
 --- \\
 20
 \end{array}$$

--
20 ← remainder

$$1847 \div 31 = 59 \text{ remainder } 18$$

59
31 | 1847
155

297
279

18 ← remainder

$$1847 \div 37 = 49 \text{ remainder } 34$$

49
37 | 1847
148

367
333

34 ← remainder

$$1847 \div 41 = 45 \text{ remainder } 2$$

45
41 | 1847
164

207
205

2 ← remainder

P₂₈₄ 1861

$$1861 \div 2 = 930 \text{ remainder } 1$$

$$\begin{array}{r} 930 \\ 2 \mid 1861 \\ \underline{18} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1861 \div 3 = 620 \text{ remainder } 1$$

$$\begin{array}{r} 620 \\ 3 \mid 1861 \\ \underline{18} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1861 \div 5 = 372 \text{ remainder } 1$$

$$\begin{array}{r} 372 \\ 5 \mid 1861 \\ \underline{15} \\ - - \\ 36 \\ \underline{35} \\ - - \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

--
1 ← remainder

$$1861 \div 7 = 265 \text{ remainder } 6$$

265
7 | 1861
14
--
46
42
--
41
35
--
6 ← remainder

$$1861 \div 11 = 169 \text{ remainder } 2$$

169
11 | 1861
11
--
76
66
--
101
99
--
2 ← remainder

$$1861 \div 13 = 143 \text{ remainder } 2$$

143
13 | 1861
13
--
56
52
--
41
39
--
2 ← remainder

$$1861 \div 17 = 109 \text{ remainder } 8$$

$$\begin{array}{r}
 109 \\
 17 \overline{) 1861} \\
 \underline{17} \\
 -- \\
 16 \\
 \underline{0} \\
 - \\
 161 \\
 \underline{153} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1861 \div 19 = 97 \text{ remainder } 18$$

$$\begin{array}{r}
 97 \\
 19 \overline{) 1861} \\
 \underline{171} \\
 --- \\
 151 \\
 \underline{133} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1861 \div 23 = 80 \text{ remainder } 21$$

$$\begin{array}{r}
 80 \\
 23 \overline{) 1861} \\
 \underline{184} \\
 --- \\
 21 \\
 \underline{0} \\
 - \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1861 \div 29 = 64 \text{ remainder } 5$$

$$\begin{array}{r}
 64 \\
 29 \overline{) 1861} \\
 \underline{174} \\
 --- \\
 121 \\
 \underline{116}
 \end{array}$$

5 ← remainder

$$1861 \div 31 = 60 \text{ remainder } 1$$

60
31 | 1861
186

1
0
-
1 ← remainder

$$1861 \div 37 = 50 \text{ remainder } 11$$

50
37 | 1861
185

11
0
-
11 ← remainder

$$1861 \div 41 = 45 \text{ remainder } 16$$

45
41 | 1861
164

221
205

16 ← remainder

$$1861 \div 43 = 43 \text{ remainder } 12$$

43
43 | 1861
172

141
129

12 ← remainder

P₂₈₅ 1867

$$1867 \div 2 = 933 \text{ remainder } 1$$

$$\begin{array}{r} 933 \\ 2 \mid 1867 \\ \underline{18} \\ -- \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1867 \div 3 = 622 \text{ remainder } 1$$

$$\begin{array}{r} 622 \\ 3 \mid 1867 \\ \underline{18} \\ -- \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1867 \div 5 = 373 \text{ remainder } 2$$

$$\begin{array}{r} 373 \\ 5 \mid 1867 \\ \underline{15} \\ -- \\ 36 \\ \underline{35} \\ - \\ 17 \\ \underline{15} \\ -- \end{array}$$

--
2 ← remainder

$$1867 \div 7 = 266 \text{ remainder } 5$$

266
7 | 1867
14
--
46
42
--
47
42
--
5 ← remainder

$$1867 \div 11 = 169 \text{ remainder } 8$$

169
11 | 1867
11
--
76
66
--
107
99
--
8 ← remainder

$$1867 \div 13 = 143 \text{ remainder } 8$$

143
13 | 1867
13
--
56
52
--
47
39
--
8 ← remainder

$$1867 \div 17 = 109 \text{ remainder } 14$$

$$\begin{array}{r}
 109 \\
 17 \overline{) 1867} \\
 \underline{17} \\
 -- \\
 16 \\
 \underline{0} \\
 - \\
 167 \\
 \underline{153} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1867 \div 19 = 98 \text{ remainder } 5$$

$$\begin{array}{r}
 98 \\
 19 \overline{) 1867} \\
 \underline{171} \\
 --- \\
 157 \\
 \underline{152} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$1867 \div 23 = 81 \text{ remainder } 4$$

$$\begin{array}{r}
 81 \\
 23 \overline{) 1867} \\
 \underline{184} \\
 --- \\
 27 \\
 \underline{23} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1867 \div 29 = 64 \text{ remainder } 11$$

$$\begin{array}{r}
 64 \\
 29 \overline{) 1867} \\
 \underline{174} \\
 --- \\
 127 \\
 \underline{116} \\

 \end{array}$$

11 ← remainder

$$1867 \div 31 = 60 \text{ remainder } 7$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1867} \\ \underline{186} \\ 7 \\ 0 \\ - \end{array}$$

7 ← remainder

$$1867 \div 37 = 50 \text{ remainder } 17$$

$$\begin{array}{r} 50 \\ 37 \overline{) 1867} \\ \underline{185} \\ 17 \\ 0 \\ - \end{array}$$

17 ← remainder

$$1867 \div 41 = 45 \text{ remainder } 22$$

$$\begin{array}{r} 45 \\ 41 \overline{) 1867} \\ \underline{164} \\ 227 \\ \underline{205} \\ 22 \\ - \end{array}$$

22 ← remainder

$$1867 \div 43 = 43 \text{ remainder } 18$$

$$\begin{array}{r} 43 \\ 43 \overline{) 1867} \\ \underline{172} \\ 147 \\ \underline{129} \end{array}$$

18 ← remainder

P₂₈₆ 1871

$$1871 \div 2 = 935 \text{ remainder } 1$$

$$\begin{array}{r} 935 \\ 2 \mid 1871 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1871 \div 3 = 623 \text{ remainder } 2$$

$$\begin{array}{r} 623 \\ 3 \mid 1871 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1871 \div 5 = 374 \text{ remainder } 1$$

$$\begin{array}{r} 374 \\ 5 \mid 1871 \\ \underline{15} \\ -- \\ 37 \\ \underline{35} \\ -- \\ 21 \\ \underline{20} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

--
1 ← remainder

$1871 \div 7 = 267$ remainder 2

267
7 | 1871
14
--
47
42
--
51
49
--
2 ← remainder

$1871 \div 11 = 170$ remainder 1

170
11 | 1871
11
--
77
77
--
1
0
-
1 ← remainder

$1871 \div 13 = 143$ remainder 12

143
13 | 1871
13
--
57
52
--
51
39
--
12 ← remainder

$$1871 \div 17 = 110 \text{ remainder } 1$$

$$\begin{array}{r}
 110 \\
 17 \overline{) 1871} \\
 \underline{17} \\
 -- \\
 17 \\
 \underline{17} \\
 -- \\
 1 \\
 \underline{0} \\
 - \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1871 \div 19 = 98 \text{ remainder } 9$$

$$\begin{array}{r}
 98 \\
 19 \overline{) 1871} \\
 \underline{171} \\
 --- \\
 161 \\
 \underline{152} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1871 \div 23 = 81 \text{ remainder } 8$$

$$\begin{array}{r}
 81 \\
 23 \overline{) 1871} \\
 \underline{184} \\
 --- \\
 31 \\
 \underline{23} \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1871 \div 29 = 64 \text{ remainder } 15$$

$$\begin{array}{r}
 64 \\
 29 \overline{) 1871} \\
 \underline{174} \\
 --- \\
 131 \\
 \underline{116}
 \end{array}$$

15 ← remainder

$$1871 \div 31 = 60 \text{ remainder } 11$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1871} \\ \underline{186} \\ 11 \\ 0 \end{array}$$

11

0

-

11 ← remainder

$$1871 \div 37 = 50 \text{ remainder } 21$$

$$\begin{array}{r} 50 \\ 37 \overline{) 1871} \\ \underline{185} \\ 21 \\ 0 \end{array}$$

21

0

-

21 ← remainder

$$1871 \div 41 = 45 \text{ remainder } 26$$

$$\begin{array}{r} 45 \\ 41 \overline{) 1871} \\ \underline{164} \\ 231 \\ \underline{205} \\ 26 \end{array}$$

231

205

26 ← remainder

$$1871 \div 43 = 43 \text{ remainder } 22$$

$$\begin{array}{r} 43 \\ 43 \overline{) 1871} \\ \underline{172} \\ 151 \\ \underline{129} \\ 22 \end{array}$$

151

129

22 ← remainder

P₂₈₇ 1873

$$1873 \div 2 = 936 \text{ remainder } 1$$

$$\begin{array}{r} 936 \\ 2 \mid 1873 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1873 \div 3 = 624 \text{ remainder } 1$$

$$\begin{array}{r} 624 \\ 3 \mid 1873 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1873 \div 5 = 374 \text{ remainder } 3$$

$$\begin{array}{r} 374 \\ 5 \mid 1873 \\ \underline{15} \\ -- \\ 37 \\ \underline{35} \\ -- \\ 23 \\ \underline{20} \end{array}$$

--
3 ← remainder

$$1873 \div 7 = 267 \text{ remainder } 4$$

267
7 | 1873
14
--
47
42
--
53
49
--
4 ← remainder

$$1873 \div 11 = 170 \text{ remainder } 3$$

170
11 | 1873
11
--
77
77
--
3
0
-
3 ← remainder

$$1873 \div 13 = 144 \text{ remainder } 1$$

144
13 | 1873
13
--
57
52
--
53
52
--
1 ← remainder

$$1873 \div 17 = 110 \text{ remainder } 3$$

$$\begin{array}{r}
 110 \\
 17 \overline{) 1873} \\
 \underline{17} \\
 -- \\
 17 \\
 \underline{17} \\
 -- \\
 3 \\
 \underline{0} \\
 - \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1873 \div 19 = 98 \text{ remainder } 11$$

$$\begin{array}{r}
 98 \\
 19 \overline{) 1873} \\
 \underline{171} \\
 --- \\
 163 \\
 \underline{152} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1873 \div 23 = 81 \text{ remainder } 10$$

$$\begin{array}{r}
 81 \\
 23 \overline{) 1873} \\
 \underline{184} \\
 --- \\
 33 \\
 \underline{23} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1873 \div 29 = 64 \text{ remainder } 17$$

$$\begin{array}{r}
 64 \\
 29 \overline{) 1873} \\
 \underline{174} \\
 --- \\
 133 \\
 \underline{116}
 \end{array}$$

17 ← remainder

$$1873 \div 31 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1873} \\ \underline{186} \\ 13 \\ 0 \end{array}$$

13 ← remainder

$$1873 \div 37 = 50 \text{ remainder } 23$$

$$\begin{array}{r} 50 \\ 37 \overline{) 1873} \\ \underline{185} \\ 23 \\ 0 \end{array}$$

23 ← remainder

$$1873 \div 41 = 45 \text{ remainder } 28$$

$$\begin{array}{r} 45 \\ 41 \overline{) 1873} \\ \underline{164} \\ 233 \\ \underline{205} \\ 28 \end{array}$$

28 ← remainder

$$1873 \div 43 = 43 \text{ remainder } 24$$

$$\begin{array}{r} 43 \\ 43 \overline{) 1873} \\ \underline{172} \\ 153 \\ \underline{129} \\ 24 \end{array}$$

24 ← remainder

P₂₈₈ 1877

$$1877 \div 2 = 938 \text{ remainder } 1$$

$$\begin{array}{r} 938 \\ 2 \mid 1877 \\ 18 \\ \hline 7 \\ 6 \\ \hline 17 \\ 16 \\ \hline 1 \leftarrow \text{remainder} \end{array}$$

$$1877 \div 3 = 625 \text{ remainder } 2$$

$$\begin{array}{r} 625 \\ 3 \mid 1877 \\ 18 \\ \hline 7 \\ 6 \\ \hline 17 \\ 15 \\ \hline 2 \leftarrow \text{remainder} \end{array}$$

$$1877 \div 5 = 375 \text{ remainder } 2$$

$$\begin{array}{r} 375 \\ 5 \mid 1877 \\ 15 \\ \hline 37 \\ 35 \\ \hline 27 \\ 25 \end{array}$$

--
2 ← remainder

$$1877 \div 7 = 268 \text{ remainder } 1$$

268
7 | 1877
14
--
47
42
--
57
56
--
1 ← remainder

$$1877 \div 11 = 170 \text{ remainder } 7$$

170
11 | 1877
11
--
77
77
--
7
0
-
7 ← remainder

$$1877 \div 13 = 144 \text{ remainder } 5$$

144
13 | 1877
13
--
57
52
--
57
52
--
5 ← remainder

$$1877 \div 17 = 110 \text{ remainder } 7$$

$$\begin{array}{r}
 110 \\
 17 \overline{) 1877} \\
 \underline{17} \\
 -- \\
 17 \\
 \underline{17} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1877 \div 19 = 98 \text{ remainder } 15$$

$$\begin{array}{r}
 98 \\
 19 \overline{) 1877} \\
 \underline{171} \\
 --- \\
 167 \\
 \underline{152} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1877 \div 23 = 81 \text{ remainder } 14$$

$$\begin{array}{r}
 81 \\
 23 \overline{) 1877} \\
 \underline{184} \\
 --- \\
 37 \\
 \underline{23} \\
 -- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1877 \div 29 = 64 \text{ remainder } 21$$

$$\begin{array}{r}
 64 \\
 29 \overline{) 1877} \\
 \underline{174} \\
 --- \\
 137 \\
 \underline{116}
 \end{array}$$

21 ← remainder

$$1877 \div 31 = 60 \text{ remainder } 17$$

$$\begin{array}{r} 60 \\ 31 \overline{) 1877} \\ \underline{186} \\ 17 \\ 0 \end{array}$$

17

0

-

17 ← remainder

$$1877 \div 37 = 50 \text{ remainder } 27$$

$$\begin{array}{r} 50 \\ 37 \overline{) 1877} \\ \underline{185} \\ 27 \\ 0 \end{array}$$

27

0

-

27 ← remainder

$$1877 \div 41 = 45 \text{ remainder } 32$$

$$\begin{array}{r} 45 \\ 41 \overline{) 1877} \\ \underline{164} \\ 237 \\ \underline{205} \\ 32 \end{array}$$

237

205

32 ← remainder

$$1877 \div 43 = 43 \text{ remainder } 28$$

$$\begin{array}{r} 43 \\ 43 \overline{) 1877} \\ \underline{172} \\ 157 \\ \underline{129} \end{array}$$

157

129

28 ← remainder

P₂₈₉ 1879

$$1879 \div 2 = 939 \text{ remainder } 1$$

$$\begin{array}{r} 939 \\ 2 \mid 1879 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1879 \div 3 = 626 \text{ remainder } 1$$

$$\begin{array}{r} 626 \\ 3 \mid 1879 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1879 \div 5 = 375 \text{ remainder } 4$$

$$\begin{array}{r} 375 \\ 5 \mid 1879 \\ \underline{15} \\ -- \\ 37 \\ \underline{35} \\ -- \\ 29 \\ \underline{25} \\ -- \\ 4 \leftarrow \text{remainder} \end{array}$$

--
4 ← remainder

$$1879 \div 7 = 268 \text{ remainder } 3$$

268
7 | 1879
14
--
47
42
--
59
56
--
3 ← remainder

$$1879 \div 11 = 170 \text{ remainder } 9$$

170
11 | 1879
11
--
77
77
--
9
0
-
9 ← remainder

$$1879 \div 13 = 144 \text{ remainder } 7$$

144
13 | 1879
13
--
57
52
--
59
52
--
7 ← remainder

$$1879 \div 17 = 110 \text{ remainder } 9$$

$$\begin{array}{r}
 110 \\
 17 \overline{) 1879} \\
 \underline{17} \\
 -- \\
 17 \\
 \underline{17} \\
 -- \\
 9 \\
 \underline{0} \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1879 \div 19 = 98 \text{ remainder } 17$$

$$\begin{array}{r}
 98 \\
 19 \overline{) 1879} \\
 \underline{171} \\
 --- \\
 169 \\
 \underline{152} \\
 --- \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$1879 \div 23 = 81 \text{ remainder } 16$$

$$\begin{array}{r}
 81 \\
 23 \overline{) 1879} \\
 \underline{184} \\
 --- \\
 39 \\
 \underline{23} \\
 -- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1879 \div 29 = 64 \text{ remainder } 23$$

$$\begin{array}{r}
 64 \\
 29 \overline{) 1879} \\
 \underline{174} \\
 --- \\
 139 \\
 \underline{116}
 \end{array}$$

23 ← remainder

$$1879 \div 31 = 60 \text{ remainder } 19$$

60
31 | 1879
186

19
0
-

19 ← remainder

$$1879 \div 37 = 50 \text{ remainder } 29$$

50
37 | 1879
185

29
0
-

29 ← remainder

$$1879 \div 41 = 45 \text{ remainder } 34$$

45
41 | 1879
164

239
205

34 ← remainder

$$1879 \div 43 = 43 \text{ remainder } 30$$

43
43 | 1879
172

159
129

30 ← remainder

P₂₉₀ 1889

$$1889 \div 2 = 944 \text{ remainder } 1$$

$$\begin{array}{r} 944 \\ 2 \mid 1889 \\ \underline{18} \\ - - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1889 \div 3 = 629 \text{ remainder } 2$$

$$\begin{array}{r} 629 \\ 3 \mid 1889 \\ \underline{18} \\ - - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1889 \div 5 = 377 \text{ remainder } 4$$

$$\begin{array}{r} 377 \\ 5 \mid 1889 \\ \underline{15} \\ - - \\ 38 \\ \underline{35} \\ - - \\ 39 \\ \underline{35} \end{array}$$

--
4 ← remainder

$$1889 \div 7 = 269 \text{ remainder } 6$$

269
7 | 1889
14
--
48
42
--
69
63
--
6 ← remainder

$$1889 \div 11 = 171 \text{ remainder } 8$$

171
11 | 1889
11
--
78
77
--
19
11
--
8 ← remainder

$$1889 \div 13 = 145 \text{ remainder } 4$$

145
13 | 1889
13
--
58
52
--
69
65
--
4 ← remainder

$$1889 \div 17 = 111 \text{ remainder } 2$$

$$\begin{array}{r}
 111 \\
 17 \overline{) 1889} \\
 \underline{17} \\
 -- \\
 18 \\
 \underline{17} \\
 -- \\
 19 \\
 \underline{17} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1889 \div 19 = 99 \text{ remainder } 8$$

$$\begin{array}{r}
 99 \\
 19 \overline{) 1889} \\
 \underline{171} \\
 --- \\
 179 \\
 \underline{171} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1889 \div 23 = 82 \text{ remainder } 3$$

$$\begin{array}{r}
 82 \\
 23 \overline{) 1889} \\
 \underline{184} \\
 --- \\
 49 \\
 \underline{46} \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1889 \div 29 = 65 \text{ remainder } 4$$

$$\begin{array}{r}
 65 \\
 29 \overline{) 1889} \\
 \underline{174} \\
 --- \\
 149 \\
 \underline{145}
 \end{array}$$

4 ← remainder

$$1889 \div 31 = 60 \text{ remainder } 29$$

60
31 | 1889
186

29
0
-

29 ← remainder

$$1889 \div 37 = 51 \text{ remainder } 2$$

51
37 | 1889
185

39
37
--

2 ← remainder

$$1889 \div 41 = 46 \text{ remainder } 3$$

46
41 | 1889
164

249
246

3 ← remainder

$$1889 \div 43 = 43 \text{ remainder } 40$$

43
43 | 1889
172

169
129

40 ← remainder

P₂₉₁ 1901

$$1901 \div 2 = 950 \text{ remainder } 1$$

$$\begin{array}{r} 950 \\ 2 \mid 1901 \\ 18 \\ - - \\ 10 \\ 10 \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1901 \div 3 = 633 \text{ remainder } 2$$

$$\begin{array}{r} 633 \\ 3 \mid 1901 \\ 18 \\ - - \\ 10 \\ 9 \\ - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1901 \div 5 = 380 \text{ remainder } 1$$

$$\begin{array}{r} 380 \\ 5 \mid 1901 \\ 15 \\ - - \\ 40 \\ 40 \\ - - \\ 1 \\ 0 \end{array}$$

-
1 ← remainder

$1901 \div 7 = 271 \text{ remainder } 4$

```
    271
7 | 1901
   14
   --
   50
   49
   --
   11
   7
   -
   4 ← remainder
```

$1901 \div 11 = 172 \text{ remainder } 9$

```
    172
11 | 1901
   11
   --
   80
   77
   --
   31
   22
   --
   9 ← remainder
```

$1901 \div 13 = 146 \text{ remainder } 3$

```
    146
13 | 1901
   13
   --
   60
   52
   --
   81
   78
   --
   3 ← remainder
```

$$1901 \div 17 = 111 \text{ remainder } 14$$

$$\begin{array}{r}
 111 \\
 17 \overline{) 1901} \\
 \underline{17} \\
 20 \\
 \underline{17} \\
 31 \\
 \underline{17} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1901 \div 19 = 100 \text{ remainder } 1$$

$$\begin{array}{r}
 100 \\
 19 \overline{) 1901} \\
 \underline{19} \\
 0 \\
 \underline{0} \\
 1 \\
 \underline{0} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1901 \div 23 = 82 \text{ remainder } 15$$

$$\begin{array}{r}
 82 \\
 23 \overline{) 1901} \\
 \underline{184} \\
 61 \\
 \underline{46} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1901 \div 29 = 65 \text{ remainder } 16$$

$$\begin{array}{r}
 65 \\
 29 \overline{) 1901} \\
 \underline{174}
 \end{array}$$

161
145

16 ← remainder

$$1901 \div 31 = 61 \text{ remainder } 10$$

61
31 | 1901
186

41
31
--
10 ← remainder

$$1901 \div 37 = 51 \text{ remainder } 14$$

51
37 | 1901
185

51
37
--
14 ← remainder

$$1901 \div 41 = 46 \text{ remainder } 15$$

46
41 | 1901
164

261
246

15 ← remainder

$$1901 \div 43 = 44 \text{ remainder } 9$$

44
43 | 1901
172

181

172

9 ← remainder

P₂₉₂ 1907

$$1907 \div 2 = 953 \text{ remainder } 1$$

$$\begin{array}{r} 953 \\ 2 \mid 1907 \\ 18 \\ \text{--} \\ 10 \\ 10 \\ \text{--} \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1907 \div 3 = 635 \text{ remainder } 2$$

$$\begin{array}{r} 635 \\ 3 \mid 1907 \\ 18 \\ \text{--} \\ 10 \\ 9 \\ - \\ 17 \\ 15 \\ \text{--} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1907 \div 5 = 381 \text{ remainder } 2$$

$$\begin{array}{r} 381 \\ 5 \mid 1907 \\ 15 \\ \text{--} \\ 40 \\ 40 \\ \text{--} \\ 7 \\ 5 \end{array}$$

-
2 ← remainder

$1907 \div 7 = 272 \text{ remainder } 3$

272
7 | 1907
14
--
50
49
--
17
14
--
3 ← remainder

$1907 \div 11 = 173 \text{ remainder } 4$

173
11 | 1907
11
--
80
77
--
37
33
--
4 ← remainder

$1907 \div 13 = 146 \text{ remainder } 9$

146
13 | 1907
13
--
60
52
--
87
78
--
9 ← remainder

$$1907 \div 17 = 112 \text{ remainder } 3$$

$$\begin{array}{r}
 112 \\
 17 \overline{) 1907} \\
 \underline{17} \\
 -- \\
 20 \\
 \underline{17} \\
 -- \\
 37 \\
 \underline{34} \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1907 \div 19 = 100 \text{ remainder } 7$$

$$\begin{array}{r}
 100 \\
 19 \overline{) 1907} \\
 \underline{19} \\
 -- \\
 0 \\
 \underline{0} \\
 - \\
 7 \\
 \underline{0} \\
 - \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1907 \div 23 = 82 \text{ remainder } 21$$

$$\begin{array}{r}
 82 \\
 23 \overline{) 1907} \\
 \underline{184} \\
 --- \\
 67 \\
 \underline{46} \\
 -- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1907 \div 29 = 65 \text{ remainder } 22$$

$$\begin{array}{r}
 65 \\
 29 \overline{) 1907} \\
 \underline{174}
 \end{array}$$

```

  ---
 167
 145
  ---
 22 ← remainder

```

$$1907 \div 31 = 61 \text{ remainder } 16$$

```

    61
31 | 1907
    186
    ---
    47
    31
    --
    16 ← remainder

```

$$1907 \div 37 = 51 \text{ remainder } 20$$

```

    51
37 | 1907
    185
    ---
    57
    37
    --
    20 ← remainder

```

$$1907 \div 41 = 46 \text{ remainder } 21$$

```

    46
41 | 1907
    164
    ---
    267
    246
    ---
    21 ← remainder

```

$$1907 \div 43 = 44 \text{ remainder } 15$$

```

    44
43 | 1907
    172

```

187

172

15 ← remainder

P₂₉₃ 1913

$$1913 \div 2 = 956 \text{ remainder } 1$$

$$\begin{array}{r} 956 \\ 2 \mid 1913 \\ 18 \\ -- \\ 11 \\ 10 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1913 \div 3 = 637 \text{ remainder } 2$$

$$\begin{array}{r} 637 \\ 3 \mid 1913 \\ 18 \\ -- \\ 11 \\ 9 \\ - \\ 23 \\ 21 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1913 \div 5 = 382 \text{ remainder } 3$$

$$\begin{array}{r} 382 \\ 5 \mid 1913 \\ 15 \\ -- \\ 41 \\ 40 \\ -- \\ 13 \\ 10 \end{array}$$

--
3 ← remainder

$1913 \div 7 = 273 \text{ remainder } 2$

273
7 | 1913
14
--
51
49
--
23
21
--
2 ← remainder

$1913 \div 11 = 173 \text{ remainder } 10$

173
11 | 1913
11
--
81
77
--
43
33
--
10 ← remainder

$1913 \div 13 = 147 \text{ remainder } 2$

147
13 | 1913
13
--
61
52
--
93
91
--
2 ← remainder

$$1913 \div 17 = 112 \text{ remainder } 9$$

$$\begin{array}{r}
 112 \\
 17 \overline{) 1913} \\
 \underline{17} \\
 21 \\
 \underline{17} \\
 43 \\
 \underline{34} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1913 \div 19 = 100 \text{ remainder } 13$$

$$\begin{array}{r}
 100 \\
 19 \overline{) 1913} \\
 \underline{19} \\
 1 \\
 \underline{0} \\
 13 \\
 \underline{0} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1913 \div 23 = 83 \text{ remainder } 4$$

$$\begin{array}{r}
 83 \\
 23 \overline{) 1913} \\
 \underline{184} \\
 73 \\
 \underline{69} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1913 \div 29 = 65 \text{ remainder } 28$$

$$\begin{array}{r}
 65 \\
 29 \overline{) 1913} \\
 \underline{174}
 \end{array}$$


```

  ---
 173
 145
  ---
 28 ← remainder

```

$$1913 \div 31 = 61 \text{ remainder } 22$$

```

    61
31 | 1913
    186
    ---
    53
    31
    --
    22 ← remainder

```

$$1913 \div 37 = 51 \text{ remainder } 26$$

```

    51
37 | 1913
    185
    ---
    63
    37
    --
    26 ← remainder

```

$$1913 \div 41 = 46 \text{ remainder } 27$$

```

    46
41 | 1913
    164
    ---
    273
    246
    ---
    27 ← remainder

```

$$1913 \div 43 = 44 \text{ remainder } 21$$

```

    44
43 | 1913
    172

```

193

172

21 \leftarrow remainder

P₂₉₄ 1931

$$1931 \div 2 = 965 \text{ remainder } 1$$

$$\begin{array}{r} 965 \\ 2 \mid 1931 \\ 18 \\ \text{--} \\ 13 \\ 12 \\ \text{--} \\ 11 \\ 10 \\ \text{--} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1931 \div 3 = 643 \text{ remainder } 2$$

$$\begin{array}{r} 643 \\ 3 \mid 1931 \\ 18 \\ \text{--} \\ 13 \\ 12 \\ \text{--} \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1931 \div 5 = 386 \text{ remainder } 1$$

$$\begin{array}{r} 386 \\ 5 \mid 1931 \\ 15 \\ \text{--} \\ 43 \\ 40 \\ \text{--} \\ 31 \\ 30 \end{array}$$

--
1 ← remainder

$1931 \div 7 = 275 \text{ remainder } 6$

275
7 | 1931
14
--
53
49
--
41
35
--
6 ← remainder

$1931 \div 11 = 175 \text{ remainder } 6$

175
11 | 1931
11
--
83
77
--
61
55
--
6 ← remainder

$1931 \div 13 = 148 \text{ remainder } 7$

148
13 | 1931
13
--
63
52
--
111
104
--
7 ← remainder

$$1931 \div 17 = 113 \text{ remainder } 10$$

$$\begin{array}{r}
 113 \\
 17 \overline{) 1931} \\
 \underline{17} \\
 23 \\
 \underline{17} \\
 61 \\
 \underline{51} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1931 \div 19 = 101 \text{ remainder } 12$$

$$\begin{array}{r}
 101 \\
 19 \overline{) 1931} \\
 \underline{19} \\
 3 \\
 \underline{0} \\
 31 \\
 \underline{19} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1931 \div 23 = 83 \text{ remainder } 22$$

$$\begin{array}{r}
 83 \\
 23 \overline{) 1931} \\
 \underline{184} \\
 91 \\
 \underline{69} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$1931 \div 29 = 66 \text{ remainder } 17$$

$$\begin{array}{r}
 66 \\
 29 \overline{) 1931} \\
 \underline{174}
 \end{array}$$

```

  ---
 191
 174
  ---
 17 ← remainder

```

$$1931 \div 31 = 62 \text{ remainder } 9$$

```

    62
31 | 1931
    186
    ---
    71
    62
    --
    9 ← remainder

```

$$1931 \div 37 = 52 \text{ remainder } 7$$

```

    52
37 | 1931
    185
    ---
    81
    74
    --
    7 ← remainder

```

$$1931 \div 41 = 47 \text{ remainder } 4$$

```

    47
41 | 1931
    164
    ---
    291
    287
    ---
    4 ← remainder

```

$$1931 \div 43 = 44 \text{ remainder } 39$$

```

    44
43 | 1931
    172

```

211

172

39 ← remainder

P₂₉₅ 1933

$$1933 \div 2 = 966 \text{ remainder } 1$$

$$\begin{array}{r} 966 \\ 2 \mid 1933 \\ 18 \\ -- \\ 13 \\ 12 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1933 \div 3 = 644 \text{ remainder } 1$$

$$\begin{array}{r} 644 \\ 3 \mid 1933 \\ 18 \\ -- \\ 13 \\ 12 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1933 \div 5 = 386 \text{ remainder } 3$$

$$\begin{array}{r} 386 \\ 5 \mid 1933 \\ 15 \\ -- \\ 43 \\ 40 \\ -- \\ 33 \\ 30 \end{array}$$

--
3 ← remainder

$1933 \div 7 = 276 \text{ remainder } 1$

276
7 | 1933
14
--
53
49
--
43
42
--
1 ← remainder

$1933 \div 11 = 175 \text{ remainder } 8$

175
11 | 1933
11
--
83
77
--
63
55
--
8 ← remainder

$1933 \div 13 = 148 \text{ remainder } 9$

148
13 | 1933
13
--
63
52
--
113
104
--
9 ← remainder

$$1933 \div 17 = 113 \text{ remainder } 12$$

$$\begin{array}{r}
 113 \\
 17 \overline{) 1933} \\
 \underline{17} \\
 23 \\
 \underline{17} \\
 63 \\
 \underline{51} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$1933 \div 19 = 101 \text{ remainder } 14$$

$$\begin{array}{r}
 101 \\
 19 \overline{) 1933} \\
 \underline{19} \\
 3 \\
 \underline{0} \\
 33 \\
 \underline{19} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$1933 \div 23 = 84 \text{ remainder } 1$$

$$\begin{array}{r}
 84 \\
 23 \overline{) 1933} \\
 \underline{184} \\
 93 \\
 \underline{92} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1933 \div 29 = 66 \text{ remainder } 19$$

$$\begin{array}{r}
 66 \\
 29 \overline{) 1933} \\
 \underline{174}
 \end{array}$$

```

  ---
193
174
  ---
19 ← remainder

```

$$1933 \div 31 = 62 \text{ remainder } 11$$

```

    62
31 | 1933
    186
    ---
     73
     62
     --
    11 ← remainder

```

$$1933 \div 37 = 52 \text{ remainder } 9$$

```

    52
37 | 1933
    185
    ---
     83
     74
     --
     9 ← remainder

```

$$1933 \div 41 = 47 \text{ remainder } 6$$

```

    47
41 | 1933
    164
    ---
    293
    287
    ---
     6 ← remainder

```

$$1933 \div 43 = 44 \text{ remainder } 41$$

```

    44
43 | 1933
    172

```

213
172

41 ← remainder

P₂₉₆ 1949

$$1949 \div 2 = 974 \text{ remainder } 1$$

$$\begin{array}{r} 974 \\ 2 \mid 1949 \\ 18 \\ - - \\ 14 \\ 14 \\ - - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1949 \div 3 = 649 \text{ remainder } 2$$

$$\begin{array}{r} 649 \\ 3 \mid 1949 \\ 18 \\ - - \\ 14 \\ 12 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1949 \div 5 = 389 \text{ remainder } 4$$

$$\begin{array}{r} 389 \\ 5 \mid 1949 \\ 15 \\ - - \\ 44 \\ 40 \\ - - \\ 49 \\ 45 \end{array}$$

--
4 ← remainder

$$1949 \div 7 = 278 \text{ remainder } 3$$

278
7 | 1949
14
--
54
49
--
59
56
--
3 ← remainder

$$1949 \div 11 = 177 \text{ remainder } 2$$

177
11 | 1949
11
--
84
77
--
79
77
--
2 ← remainder

$$1949 \div 13 = 149 \text{ remainder } 12$$

149
13 | 1949
13
--
64
52
--
129
117

12 ← remainder

$$1949 \div 17 = 114 \text{ remainder } 11$$

$$\begin{array}{r}
 114 \\
 17 \overline{) 1949} \\
 \underline{17} \\
 24 \\
 \underline{17} \\
 79 \\
 \underline{68} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1949 \div 19 = 102 \text{ remainder } 11$$

$$\begin{array}{r}
 102 \\
 19 \overline{) 1949} \\
 \underline{19} \\
 4 \\
 \underline{0} \\
 49 \\
 \underline{38} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1949 \div 23 = 84 \text{ remainder } 17$$

$$\begin{array}{r}
 84 \\
 23 \overline{) 1949} \\
 \underline{184} \\
 109 \\
 \underline{92} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$1949 \div 29 = 67 \text{ remainder } 6$$

$$\begin{array}{r}
 67 \\
 29 \overline{) 1949} \\
 \underline{174}
 \end{array}$$

```

  ---
209
203
  ---
6 ← remainder

```

$$1949 \div 31 = 62 \text{ remainder } 27$$

```

    62
31 | 1949
    186
    ---
     89
     62
     --
    27 ← remainder

```

$$1949 \div 37 = 52 \text{ remainder } 25$$

```

    52
37 | 1949
    185
    ---
     99
     74
     --
    25 ← remainder

```

$$1949 \div 41 = 47 \text{ remainder } 22$$

```

    47
41 | 1949
    164
    ---
    309
    287
    ---
    22 ← remainder

```

$$1949 \div 43 = 45 \text{ remainder } 14$$

```

    45
43 | 1949
    172

```

229

215

14 \leftarrow remainder

P₂₉₇ 1951

$$1951 \div 2 = 975 \text{ remainder } 1$$

$$\begin{array}{r} 975 \\ 2 \mid 1951 \\ 18 \\ -- \\ 15 \\ 14 \\ -- \\ 11 \\ 10 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1951 \div 3 = 650 \text{ remainder } 1$$

$$\begin{array}{r} 650 \\ 3 \mid 1951 \\ 18 \\ -- \\ 15 \\ 15 \\ -- \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1951 \div 5 = 390 \text{ remainder } 1$$

$$\begin{array}{r} 390 \\ 5 \mid 1951 \\ 15 \\ -- \\ 45 \\ 45 \\ -- \\ 1 \\ 0 \end{array}$$

-
1 ← remainder

$1951 \div 7 = 278 \text{ remainder } 5$

```
      278
7 | 1951
   14
   --
   55
   49
   --
   61
   56
   --
   5 ← remainder
```

$1951 \div 11 = 177 \text{ remainder } 4$

```
      177
11 | 1951
   11
   --
   85
   77
   --
   81
   77
   --
   4 ← remainder
```

$1951 \div 13 = 150 \text{ remainder } 1$

```
      150
13 | 1951
   13
   --
   65
   65
   --
   1
   0
   -
   1 ← remainder
```

$$1951 \div 17 = 114 \text{ remainder } 13$$

$$\begin{array}{r}
 114 \\
 17 \overline{) 1951} \\
 \underline{17} \\
 25 \\
 \underline{17} \\
 81 \\
 \underline{68} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1951 \div 19 = 102 \text{ remainder } 13$$

$$\begin{array}{r}
 102 \\
 19 \overline{) 1951} \\
 \underline{19} \\
 5 \\
 \underline{0} \\
 51 \\
 \underline{38} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$1951 \div 23 = 84 \text{ remainder } 19$$

$$\begin{array}{r}
 84 \\
 23 \overline{) 1951} \\
 \underline{184} \\
 111 \\
 \underline{92} \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$1951 \div 29 = 67 \text{ remainder } 8$$

$$\begin{array}{r}
 67 \\
 29 \overline{) 1951} \\
 \underline{174}
 \end{array}$$

```

  ---
 211
 203
  ---
   8 ← remainder

```

$$1951 \div 31 = 62 \text{ remainder } 29$$

```

    62
31 | 1951
    186
   ---
    91
    62
    --
    29 ← remainder

```

$$1951 \div 37 = 52 \text{ remainder } 27$$

```

    52
37 | 1951
    185
   ---
    101
    74
    --
    27 ← remainder

```

$$1951 \div 41 = 47 \text{ remainder } 24$$

```

    47
41 | 1951
    164
   ---
    311
    287
   ---
    24 ← remainder

```

$$1951 \div 43 = 45 \text{ remainder } 16$$

```

    45
43 | 1951
    172

```

231
215

16 ← remainder

P₂₉₈ 1973

$$1973 \div 2 = 986 \text{ remainder } 1$$

$$\begin{array}{r} 986 \\ 2 \mid 1973 \\ 18 \\ -- \\ 17 \\ 16 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1973 \div 3 = 657 \text{ remainder } 2$$

$$\begin{array}{r} 657 \\ 3 \mid 1973 \\ 18 \\ -- \\ 17 \\ 15 \\ -- \\ 23 \\ 21 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1973 \div 5 = 394 \text{ remainder } 3$$

$$\begin{array}{r} 394 \\ 5 \mid 1973 \\ 15 \\ -- \\ 47 \\ 45 \\ -- \\ 23 \\ 20 \end{array}$$

--
3 ← remainder

$1973 \div 7 = 281 \text{ remainder } 6$

281
7 | 1973
14
--
57
56
--
13
7
-
6 ← remainder

$1973 \div 11 = 179 \text{ remainder } 4$

179
11 | 1973
11
--
87
77
--
103
99
--
4 ← remainder

$1973 \div 13 = 151 \text{ remainder } 10$

151
13 | 1973
13
--
67
65
--
23
13
--
10 ← remainder

$$1973 \div 17 = 116 \text{ remainder } 1$$

$$\begin{array}{r}
 116 \\
 17 \overline{) 1973} \\
 \underline{17} \\
 -- \\
 27 \\
 \underline{17} \\
 -- \\
 103 \\
 \underline{102} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1973 \div 19 = 103 \text{ remainder } 16$$

$$\begin{array}{r}
 103 \\
 19 \overline{) 1973} \\
 \underline{19} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 73 \\
 \underline{57} \\
 -- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$1973 \div 23 = 85 \text{ remainder } 18$$

$$\begin{array}{r}
 85 \\
 23 \overline{) 1973} \\
 \underline{184} \\
 --- \\
 133 \\
 \underline{115} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$1973 \div 29 = 68 \text{ remainder } 1$$

$$\begin{array}{r}
 68 \\
 29 \overline{) 1973} \\
 \underline{174}
 \end{array}$$

```

  ---
233
232
  ---
1 ← remainder

```

$$1973 \div 31 = 63 \text{ remainder } 20$$

```

    63
31 | 1973
    186
    ---
    113
    93
    --
    20 ← remainder

```

$$1973 \div 37 = 53 \text{ remainder } 12$$

```

    53
37 | 1973
    185
    ---
    123
    111
    ---
    12 ← remainder

```

$$1973 \div 41 = 48 \text{ remainder } 5$$

```

    48
41 | 1973
    164
    ---
    333
    328
    ---
    5 ← remainder

```

$$1973 \div 43 = 45 \text{ remainder } 38$$

```

    45
43 | 1973
    172

```

253

215

38 ← remainder

P₂₉₉ 1979

$$1979 \div 2 = 989 \text{ remainder } 1$$

$$\begin{array}{r} 989 \\ 2 \mid 1979 \\ 18 \\ -- \\ 17 \\ 16 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1979 \div 3 = 659 \text{ remainder } 2$$

$$\begin{array}{r} 659 \\ 3 \mid 1979 \\ 18 \\ -- \\ 17 \\ 15 \\ -- \\ 29 \\ 27 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1979 \div 5 = 395 \text{ remainder } 4$$

$$\begin{array}{r} 395 \\ 5 \mid 1979 \\ 15 \\ -- \\ 47 \\ 45 \\ -- \\ 29 \\ 25 \end{array}$$

--
4 ← remainder

$1979 \div 7 = 282 \text{ remainder } 5$

282
7 | 1979
14
--
57
56
--
19
14
--
5 ← remainder

$1979 \div 11 = 179 \text{ remainder } 10$

179
11 | 1979
11
--
87
77
--
109
99
--
10 ← remainder

$1979 \div 13 = 152 \text{ remainder } 3$

152
13 | 1979
13
--
67
65
--
29
26
--
3 ← remainder

$$1979 \div 17 = 116 \text{ remainder } 7$$

$$\begin{array}{r}
 116 \\
 17 \overline{) 1979} \\
 \underline{17} \\
 -- \\
 27 \\
 \underline{17} \\
 -- \\
 109 \\
 \underline{102} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$1979 \div 19 = 104 \text{ remainder } 3$$

$$\begin{array}{r}
 104 \\
 19 \overline{) 1979} \\
 \underline{19} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 79 \\
 \underline{76} \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$1979 \div 23 = 86 \text{ remainder } 1$$

$$\begin{array}{r}
 86 \\
 23 \overline{) 1979} \\
 \underline{184} \\
 --- \\
 139 \\
 \underline{138} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$1979 \div 29 = 68 \text{ remainder } 7$$

$$\begin{array}{r}
 68 \\
 29 \overline{) 1979} \\
 \underline{174}
 \end{array}$$

```

  ---
239
232
  ---
7 ← remainder

```

$$1979 \div 31 = 63 \text{ remainder } 26$$

```

    63
31 | 1979
    186
    ---
    119
    93
    --
    26 ← remainder

```

$$1979 \div 37 = 53 \text{ remainder } 18$$

```

    53
37 | 1979
    185
    ---
    129
    111
    ---
    18 ← remainder

```

$$1979 \div 41 = 48 \text{ remainder } 11$$

```

    48
41 | 1979
    164
    ---
    339
    328
    ---
    11 ← remainder

```

$$1979 \div 43 = 46 \text{ remainder } 1$$

```

    46
43 | 1979
    172

```

259

258

1 ← remainder

P₃₀₀ 1987

$$1987 \div 2 = 993 \text{ remainder } 1$$

$$\begin{array}{r} 993 \\ 2 \mid 1987 \\ 18 \\ -- \\ 18 \\ 18 \\ -- \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1987 \div 3 = 662 \text{ remainder } 1$$

$$\begin{array}{r} 662 \\ 3 \mid 1987 \\ 18 \\ -- \\ 18 \\ 18 \\ -- \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1987 \div 5 = 397 \text{ remainder } 2$$

$$\begin{array}{r} 397 \\ 5 \mid 1987 \\ 15 \\ -- \\ 48 \\ 45 \\ -- \\ 37 \\ 35 \end{array}$$

--
2 ← remainder

$1987 \div 7 = 283 \text{ remainder } 6$

283
7 | 1987
14
--
58
56
--
27
21
--
6 ← remainder

$1987 \div 11 = 180 \text{ remainder } 7$

180
11 | 1987
11
--
88
88
--
7
0
-
7 ← remainder

$1987 \div 13 = 152 \text{ remainder } 11$

152
13 | 1987
13
--
68
65
--
37
26
--
11 ← remainder

$$1987 \div 17 = 116 \text{ remainder } 15$$

$$\begin{array}{r}
 116 \\
 17 \overline{) 1987} \\
 \underline{17} \\
 -- \\
 28 \\
 \underline{17} \\
 -- \\
 117 \\
 \underline{102} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1987 \div 19 = 104 \text{ remainder } 11$$

$$\begin{array}{r}
 104 \\
 19 \overline{) 1987} \\
 \underline{19} \\
 -- \\
 8 \\
 \underline{0} \\
 - \\
 87 \\
 \underline{76} \\
 -- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$1987 \div 23 = 86 \text{ remainder } 9$$

$$\begin{array}{r}
 86 \\
 23 \overline{) 1987} \\
 \underline{184} \\
 --- \\
 147 \\
 \underline{138} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$1987 \div 29 = 68 \text{ remainder } 15$$

$$\begin{array}{r}
 68 \\
 29 \overline{) 1987} \\
 \underline{174}
 \end{array}$$

```

  ---
247
232
  ---
15 ← remainder

```

$1987 \div 31 = 64 \text{ remainder } 3$

```

    64
31 | 1987
    186
    ---
    127
    124
    ---
    3 ← remainder

```

$1987 \div 37 = 53 \text{ remainder } 26$

```

    53
37 | 1987
    185
    ---
    137
    111
    ---
    26 ← remainder

```

$1987 \div 41 = 48 \text{ remainder } 19$

```

    48
41 | 1987
    164
    ---
    347
    328
    ---
    19 ← remainder

```

$1987 \div 43 = 46 \text{ remainder } 9$

```

    46
43 | 1987
    172

```

267

258

9 ← remainder

P₃₀₁ 1993

$$1993 \div 2 = 996 \text{ remainder } 1$$

$$\begin{array}{r} 996 \\ 2 \mid 1993 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1993 \div 3 = 664 \text{ remainder } 1$$

$$\begin{array}{r} 664 \\ 3 \mid 1993 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 13 \\ 12 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1993 \div 5 = 398 \text{ remainder } 3$$

$$\begin{array}{r} 398 \\ 5 \mid 1993 \\ 15 \\ -- \\ 49 \\ 45 \\ -- \\ 43 \\ 40 \end{array}$$

--
3 ← remainder

$1993 \div 7 = 284 \text{ remainder } 5$

284
7 | 1993
14
--
59
56
--
33
28
--
5 ← remainder

$1993 \div 11 = 181 \text{ remainder } 2$

181
11 | 1993
11
--
89
88
--
13
11
--
2 ← remainder

$1993 \div 13 = 153 \text{ remainder } 4$

153
13 | 1993
13
--
69
65
--
43
39
--
4 ← remainder

$$1993 \div 17 = 117 \text{ remainder } 4$$

$$\begin{array}{r}
 117 \\
 17 \overline{) 1993} \\
 \underline{17} \\
 29 \\
 \underline{17} \\
 123 \\
 \underline{119} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1993 \div 19 = 104 \text{ remainder } 17$$

$$\begin{array}{r}
 104 \\
 19 \overline{) 1993} \\
 \underline{19} \\
 9 \\
 \underline{0} \\
 93 \\
 \underline{76} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$1993 \div 23 = 86 \text{ remainder } 15$$

$$\begin{array}{r}
 86 \\
 23 \overline{) 1993} \\
 \underline{184} \\
 153 \\
 \underline{138} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$1993 \div 29 = 68 \text{ remainder } 21$$

$$\begin{array}{r}
 68 \\
 29 \overline{) 1993} \\
 \underline{174}
 \end{array}$$


```

  ---
253
232
  ---
21 ← remainder

```

$$1993 \div 31 = 64 \text{ remainder } 9$$

```

    64
31 | 1993
    186
    ---
    133
    124
    ---
    9 ← remainder

```

$$1993 \div 37 = 53 \text{ remainder } 32$$

```

    53
37 | 1993
    185
    ---
    143
    111
    ---
    32 ← remainder

```

$$1993 \div 41 = 48 \text{ remainder } 25$$

```

    48
41 | 1993
    164
    ---
    353
    328
    ---
    25 ← remainder

```

$$1993 \div 43 = 46 \text{ remainder } 15$$

```

    46
43 | 1993
    172

```

273

258

15 ← remainder

P₃₀₂ 1997

$$1997 \div 2 = 998 \text{ remainder } 1$$

$$\begin{array}{r} 998 \\ 2 \mid 1997 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 17 \\ 16 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1997 \div 3 = 665 \text{ remainder } 2$$

$$\begin{array}{r} 665 \\ 3 \mid 1997 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 17 \\ 15 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$1997 \div 5 = 399 \text{ remainder } 2$$

$$\begin{array}{r} 399 \\ 5 \mid 1997 \\ 15 \\ -- \\ 49 \\ 45 \\ -- \\ 47 \\ 45 \end{array}$$

--
2 ← remainder

$$1997 \div 7 = 285 \text{ remainder } 2$$

285
7 | 1997
14
--
59
56
--
37
35
--
2 ← remainder

$$1997 \div 11 = 181 \text{ remainder } 6$$

181
11 | 1997
11
--
89
88
--
17
11
--
6 ← remainder

$$1997 \div 13 = 153 \text{ remainder } 8$$

153
13 | 1997
13
--
69
65
--
47
39
--
8 ← remainder

$$1997 \div 17 = 117 \text{ remainder } 8$$

$$\begin{array}{r}
 117 \\
 17 \overline{) 1997} \\
 \underline{17} \\
 29 \\
 \underline{17} \\
 127 \\
 \underline{119} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$1997 \div 19 = 105 \text{ remainder } 2$$

$$\begin{array}{r}
 105 \\
 19 \overline{) 1997} \\
 \underline{19} \\
 9 \\
 \underline{0} \\
 97 \\
 \underline{95} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$1997 \div 23 = 86 \text{ remainder } 19$$

$$\begin{array}{r}
 86 \\
 23 \overline{) 1997} \\
 \underline{184} \\
 157 \\
 \underline{138} \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$1997 \div 29 = 68 \text{ remainder } 25$$

$$\begin{array}{r}
 68 \\
 29 \overline{) 1997} \\
 \underline{174}
 \end{array}$$

```

  ---
257
232
  ---
25 ← remainder

```

$1997 \div 31 = 64 \text{ remainder } 13$

```

    64
31 | 1997
    186
    ---
    137
    124
    ---
    13 ← remainder

```

$1997 \div 37 = 53 \text{ remainder } 36$

```

    53
37 | 1997
    185
    ---
    147
    111
    ---
    36 ← remainder

```

$1997 \div 41 = 48 \text{ remainder } 29$

```

    48
41 | 1997
    164
    ---
    357
    328
    ---
    29 ← remainder

```

$1997 \div 43 = 46 \text{ remainder } 19$

```

    46
43 | 1997
    172

```

277

258

19 ← remainder

P₃₀₃ 1999

$$1999 \div 2 = 999 \text{ remainder } 1$$

$$\begin{array}{r} 999 \\ 2 \mid 1999 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1999 \div 3 = 666 \text{ remainder } 1$$

$$\begin{array}{r} 666 \\ 3 \mid 1999 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$1999 \div 5 = 399 \text{ remainder } 4$$

$$\begin{array}{r} 399 \\ 5 \mid 1999 \\ 15 \\ -- \\ 49 \\ 45 \\ -- \\ 49 \\ 45 \end{array}$$

--
4 ← remainder

$1999 \div 7 = 285 \text{ remainder } 4$

285
7 | 1999
14
--
59
56
--
39
35
--
4 ← remainder

$1999 \div 11 = 181 \text{ remainder } 8$

181
11 | 1999
11
--
89
88
--
19
11
--
8 ← remainder

$1999 \div 13 = 153 \text{ remainder } 10$

153
13 | 1999
13
--
69
65
--
49
39
--
10 ← remainder

$$1999 \div 17 = 117 \text{ remainder } 10$$

$$\begin{array}{r}
 117 \\
 17 \overline{) 1999} \\
 \underline{17} \\
 -- \\
 29 \\
 \underline{17} \\
 -- \\
 129 \\
 \underline{119} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$1999 \div 19 = 105 \text{ remainder } 4$$

$$\begin{array}{r}
 105 \\
 19 \overline{) 1999} \\
 \underline{19} \\
 -- \\
 9 \\
 \underline{0} \\
 - \\
 99 \\
 \underline{95} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$1999 \div 23 = 86 \text{ remainder } 21$$

$$\begin{array}{r}
 86 \\
 23 \overline{) 1999} \\
 \underline{184} \\
 --- \\
 159 \\
 \underline{138} \\
 --- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$1999 \div 29 = 68 \text{ remainder } 27$$

$$\begin{array}{r}
 68 \\
 29 \overline{) 1999} \\
 \underline{174}
 \end{array}$$

```

  ---
259
232
  ---
27 ← remainder

```

$$1999 \div 31 = 64 \text{ remainder } 15$$

```

    64
31 | 1999
    186
    ---
    139
    124
    ---
    15 ← remainder

```

$$1999 \div 37 = 54 \text{ remainder } 1$$

```

    54
37 | 1999
    185
    ---
    149
    148
    ---
    1 ← remainder

```

$$1999 \div 41 = 48 \text{ remainder } 31$$

```

    48
41 | 1999
    164
    ---
    359
    328
    ---
    31 ← remainder

```

$$1999 \div 43 = 46 \text{ remainder } 21$$

```

    46
43 | 1999
    172

```

279

258

21 ← remainder

P₃₀₄ 2003

$$2003 \div 2 = 1001 \text{ remainder } 1$$

$$\begin{array}{r} 1001 \\ 2 \mid 2003 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 0 \\ 0 \\ - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2003 \div 3 = 667 \text{ remainder } 2$$

$$\begin{array}{r} 667 \\ 3 \mid 2003 \\ \underline{18} \\ - - \\ 20 \\ \underline{18} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2003 \div 5 = 400 \text{ remainder } 3$$

$$\begin{array}{r} 400 \\ 5 \mid 2003 \\ \underline{20} \\ - - \\ 0 \\ 0 \\ - \end{array}$$

```

3
0
-
3 ← remainder

```

$$2003 \div 7 = 286 \text{ remainder } 1$$

```

      286
7 | 2003
  14
  --
   60
   56
   --
   43
   42
   --
    1 ← remainder

```

$$2003 \div 11 = 182 \text{ remainder } 1$$

```

      182
11 | 2003
   11
   --
   90
   88
   --
   23
   22
   --
    1 ← remainder

```

$$2003 \div 13 = 154 \text{ remainder } 1$$

```

      154
13 | 2003
   13
   --
   70
   65
   --
   53
   52

```

--
1 ← remainder

$$2003 \div 17 = 117 \text{ remainder } 14$$

```
      117
17 | 2003
    17
    --
    30
    17
    --
    133
    119
    ---
    14 ← remainder
```

$$2003 \div 19 = 105 \text{ remainder } 8$$

```
      105
19 | 2003
    19
    --
    10
    0
    -
    103
    95
    --
    8 ← remainder
```

$$2003 \div 23 = 87 \text{ remainder } 2$$

```
      87
23 | 2003
    184
    ---
    163
    161
    ---
    2 ← remainder
```

$$2003 \div 29 = 69 \text{ remainder } 2$$

$$\begin{array}{r}
 69 \\
 29 \mid 2003 \\
 174 \\
 --- \\
 263 \\
 261 \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2003 \div 31 = 64 \text{ remainder } 19$$

$$\begin{array}{r}
 64 \\
 31 \mid 2003 \\
 186 \\
 --- \\
 143 \\
 124 \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$2003 \div 37 = 54 \text{ remainder } 5$$

$$\begin{array}{r}
 54 \\
 37 \mid 2003 \\
 185 \\
 --- \\
 153 \\
 148 \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2003 \div 41 = 48 \text{ remainder } 35$$

$$\begin{array}{r}
 48 \\
 41 \mid 2003 \\
 164 \\
 --- \\
 363 \\
 328 \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$2003 \div 43 = 46 \text{ remainder } 25$$


```
      46
43 | 2003
    172
    ---
    283
    258
    ---
    25 ← remainder
```

P₃₀₅ 2011

$$2011 \div 2 = 1005 \text{ remainder } 1$$

$$\begin{array}{r} 1005 \\ 2 \mid 2011 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2011 \div 3 = 670 \text{ remainder } 1$$

$$\begin{array}{r} 670 \\ 3 \mid 2011 \\ \underline{18} \\ -- \\ 21 \\ \underline{21} \\ -- \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2011 \div 5 = 402 \text{ remainder } 1$$

$$\begin{array}{r} 402 \\ 5 \mid 2011 \\ \underline{20} \\ -- \\ 1 \\ 0 \\ - \end{array}$$

```

11
10
--
1 ← remainder

```

$$2011 \div 7 = 287 \text{ remainder } 2$$

```

      287
7 | 2011
  14
  --
   61
   56
   --
   51
   49
   --
   2 ← remainder

```

$$2011 \div 11 = 182 \text{ remainder } 9$$

```

      182
11 | 2011
   11
   --
   91
   88
   --
   31
   22
   --
   9 ← remainder

```

$$2011 \div 13 = 154 \text{ remainder } 9$$

```

      154
13 | 2011
   13
   --
   71
   65
   --
   61
   52

```

--
9 ← remainder

$$2011 \div 17 = 118 \text{ remainder } 5$$

118
17 | 2011
17
--
31
17
--
141
136

5 ← remainder

$$2011 \div 19 = 105 \text{ remainder } 16$$

105
19 | 2011
19
--
11
0
-
111
95
--
16 ← remainder

$$2011 \div 23 = 87 \text{ remainder } 10$$

87
23 | 2011
184

171
161

10 ← remainder

$$2011 \div 29 = 69 \text{ remainder } 10$$

$$\begin{array}{r}
 69 \\
 29 \mid 2011 \\
 174 \\
 --- \\
 271 \\
 261 \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2011 \div 31 = 64 \text{ remainder } 27$$

$$\begin{array}{r}
 64 \\
 31 \mid 2011 \\
 186 \\
 --- \\
 151 \\
 124 \\
 --- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$2011 \div 37 = 54 \text{ remainder } 13$$

$$\begin{array}{r}
 54 \\
 37 \mid 2011 \\
 185 \\
 --- \\
 161 \\
 148 \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2011 \div 41 = 49 \text{ remainder } 2$$

$$\begin{array}{r}
 49 \\
 41 \mid 2011 \\
 164 \\
 --- \\
 371 \\
 369 \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2011 \div 43 = 46 \text{ remainder } 33$$

46
43 | 2011
172

291
258

33 ← remainder

P₃₀₆ 2017

$$2017 \div 2 = 1008 \text{ remainder } 1$$

$$\begin{array}{r} 1008 \\ 2 \mid 2017 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2017 \div 3 = 672 \text{ remainder } 1$$

$$\begin{array}{r} 672 \\ 3 \mid 2017 \\ \underline{18} \\ -- \\ 21 \\ \underline{21} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2017 \div 5 = 403 \text{ remainder } 2$$

$$\begin{array}{r} 403 \\ 5 \mid 2017 \\ \underline{20} \\ -- \\ 1 \\ \underline{0} \\ - \end{array}$$

17
 15
 --
 2 ← remainder

$$2017 \div 7 = 288 \text{ remainder } 1$$

288
 7 | 2017
 14
 --
 61
 56
 --
 57
 56
 --
 1 ← remainder

$$2017 \div 11 = 183 \text{ remainder } 4$$

183
 11 | 2017
 11
 --
 91
 88
 --
 37
 33
 --
 4 ← remainder

$$2017 \div 13 = 155 \text{ remainder } 2$$

155
 13 | 2017
 13
 --
 71
 65
 --
 67
 65

--
2 ← remainder

$2017 \div 17 = 118 \text{ remainder } 11$

```
      118
17 | 2017
    17
    --
    31
    17
    --
    147
    136
    ---
    11 ← remainder
```

$2017 \div 19 = 106 \text{ remainder } 3$

```
      106
19 | 2017
    19
    --
    11
    0
    -
    117
    114
    ---
    3 ← remainder
```

$2017 \div 23 = 87 \text{ remainder } 16$

```
      87
23 | 2017
    184
    ---
    177
    161
    ---
    16 ← remainder
```

$2017 \div 29 = 69 \text{ remainder } 16$

$$\begin{array}{r}
 69 \\
 29 \mid 2017 \\
 174 \\
 --- \\
 277 \\
 261 \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$2017 \div 31 = 65 \text{ remainder } 2$$

$$\begin{array}{r}
 65 \\
 31 \mid 2017 \\
 186 \\
 --- \\
 157 \\
 155 \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2017 \div 37 = 54 \text{ remainder } 19$$

$$\begin{array}{r}
 54 \\
 37 \mid 2017 \\
 185 \\
 --- \\
 167 \\
 148 \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$2017 \div 41 = 49 \text{ remainder } 8$$

$$\begin{array}{r}
 49 \\
 41 \mid 2017 \\
 164 \\
 --- \\
 377 \\
 369 \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$2017 \div 43 = 46 \text{ remainder } 39$$

46
43 | 2017
172

297
258

39 ← remainder

P₃₀₇ 2027

$$2027 \div 2 = 1013 \text{ remainder } 1$$

$$\begin{array}{r} 1013 \\ 2 \mid 2027 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 2 \\ 2 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2027 \div 3 = 675 \text{ remainder } 2$$

$$\begin{array}{r} 675 \\ 3 \mid 2027 \\ \underline{18} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2027 \div 5 = 405 \text{ remainder } 2$$

$$\begin{array}{r} 405 \\ 5 \mid 2027 \\ \underline{20} \\ -- \\ 2 \\ 0 \\ - \end{array}$$

27
 25
 --
 2 ← remainder

$$2027 \div 7 = 289 \text{ remainder } 4$$

289
 7 | 2027
 14
 --
 62
 56
 --
 67
 63
 --
 4 ← remainder

$$2027 \div 11 = 184 \text{ remainder } 3$$

184
 11 | 2027
 11
 --
 92
 88
 --
 47
 44
 --
 3 ← remainder

$$2027 \div 13 = 155 \text{ remainder } 12$$

155
 13 | 2027
 13
 --
 72
 65
 --
 77
 65

--
12 ← remainder

$$2027 \div 17 = 119 \text{ remainder } 4$$

119
17 | 2027
17
--
32
17
--
157
153

4 ← remainder

$$2027 \div 19 = 106 \text{ remainder } 13$$

106
19 | 2027
19
--
12
0
-
127
114

13 ← remainder

$$2027 \div 23 = 88 \text{ remainder } 3$$

88
23 | 2027
184

187
184

3 ← remainder

$$2027 \div 29 = 69 \text{ remainder } 26$$

$$\begin{array}{r}
 69 \\
 29 \mid 2027 \\
 174 \\
 --- \\
 287 \\
 261 \\
 --- \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$2027 \div 31 = 65 \text{ remainder } 12$$

$$\begin{array}{r}
 65 \\
 31 \mid 2027 \\
 186 \\
 --- \\
 167 \\
 155 \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2027 \div 37 = 54 \text{ remainder } 29$$

$$\begin{array}{r}
 54 \\
 37 \mid 2027 \\
 185 \\
 --- \\
 177 \\
 148 \\
 --- \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$2027 \div 41 = 49 \text{ remainder } 18$$

$$\begin{array}{r}
 49 \\
 41 \mid 2027 \\
 164 \\
 --- \\
 387 \\
 369 \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2027 \div 43 = 47 \text{ remainder } 6$$

47
43 | 2027
172

307
301

6 ← remainder

P₃₀₈ 2029

$$2029 \div 2 = 1014 \text{ remainder } 1$$

$$\begin{array}{r} 1014 \\ 2 \mid 2029 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 2 \\ 2 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2029 \div 3 = 676 \text{ remainder } 1$$

$$\begin{array}{r} 676 \\ 3 \mid 2029 \\ \underline{18} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2029 \div 5 = 405 \text{ remainder } 4$$

$$\begin{array}{r} 405 \\ 5 \mid 2029 \\ \underline{20} \\ -- \\ 2 \\ \underline{0} \\ - \end{array}$$

```

29
25
--
4 ← remainder

```

$$2029 \div 7 = 289 \text{ remainder } 6$$

```

      289
7 | 2029
  14
  --
   62
   56
   --
   69
   63
   --
   6 ← remainder

```

$$2029 \div 11 = 184 \text{ remainder } 5$$

```

      184
11 | 2029
   11
   --
   92
   88
   --
   49
   44
   --
   5 ← remainder

```

$$2029 \div 13 = 156 \text{ remainder } 1$$

```

      156
13 | 2029
   13
   --
   72
   65
   --
   79
   78

```

--
1 ← remainder

$$2029 \div 17 = 119 \text{ remainder } 6$$

119
17 | 2029
17
--
32
17
--
159
153

6 ← remainder

$$2029 \div 19 = 106 \text{ remainder } 15$$

106
19 | 2029
19
--
12
0
-
129
114

15 ← remainder

$$2029 \div 23 = 88 \text{ remainder } 5$$

88
23 | 2029
184

189
184

5 ← remainder

$$2029 \div 29 = 69 \text{ remainder } 28$$

$$\begin{array}{r}
 69 \\
 29 \mid 2029 \\
 174 \\
 --- \\
 289 \\
 261 \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2029 \div 31 = 65 \text{ remainder } 14$$

$$\begin{array}{r}
 65 \\
 31 \mid 2029 \\
 186 \\
 --- \\
 169 \\
 155 \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$2029 \div 37 = 54 \text{ remainder } 31$$

$$\begin{array}{r}
 54 \\
 37 \mid 2029 \\
 185 \\
 --- \\
 179 \\
 148 \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$2029 \div 41 = 49 \text{ remainder } 20$$

$$\begin{array}{r}
 49 \\
 41 \mid 2029 \\
 164 \\
 --- \\
 389 \\
 369 \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2029 \div 43 = 47 \text{ remainder } 8$$

```
      47
43 | 2029
    172
    ---
    309
    301
    ---
    8 ← remainder
```

P₃₀₉ 2039

$$2039 \div 2 = 1019 \text{ remainder } 1$$

$$\begin{array}{r} 1019 \\ 2 \mid 2039 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 3 \\ 2 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2039 \div 3 = 679 \text{ remainder } 2$$

$$\begin{array}{r} 679 \\ 3 \mid 2039 \\ \underline{18} \\ - - \\ 23 \\ 21 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2039 \div 5 = 407 \text{ remainder } 4$$

$$\begin{array}{r} 407 \\ 5 \mid 2039 \\ \underline{20} \\ - - \\ 3 \\ 0 \\ - \end{array}$$

```

39
35
--
4 ← remainder

```

$$2039 \div 7 = 291 \text{ remainder } 2$$

```

291
7 | 2039
  14
  --
  63
  63
  --
   9
   7
   -
   2 ← remainder

```

$$2039 \div 11 = 185 \text{ remainder } 4$$

```

185
11 | 2039
   11
   --
   93
   88
   --
   59
   55
   --
    4 ← remainder

```

$$2039 \div 13 = 156 \text{ remainder } 11$$

```

156
13 | 2039
   13
   --
   73
   65
   --
   89
   78

```

--
11 ← remainder

$$2039 \div 17 = 119 \text{ remainder } 16$$

119
17 | 2039
17
--
33
17
--
169
153

16 ← remainder

$$2039 \div 19 = 107 \text{ remainder } 6$$

107
19 | 2039
19
--
13
0
-
139
133

6 ← remainder

$$2039 \div 23 = 88 \text{ remainder } 15$$

88
23 | 2039
184

199
184

15 ← remainder

$$2039 \div 29 = 70 \text{ remainder } 9$$

$$\begin{array}{r}
 70 \\
 29 \mid 2039 \\
 \underline{203} \\
 --- \\
 90 \\
 \underline{} \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$2039 \div 31 = 65 \text{ remainder } 24$$

$$\begin{array}{r}
 65 \\
 31 \mid 2039 \\
 \underline{186} \\
 --- \\
 179 \\
 \underline{155} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$2039 \div 37 = 55 \text{ remainder } 4$$

$$\begin{array}{r}
 55 \\
 37 \mid 2039 \\
 \underline{185} \\
 --- \\
 189 \\
 \underline{185} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2039 \div 41 = 49 \text{ remainder } 30$$

$$\begin{array}{r}
 49 \\
 41 \mid 2039 \\
 \underline{164} \\
 --- \\
 399 \\
 \underline{369} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$2039 \div 43 = 47 \text{ remainder } 18$$

```
      47
43 | 2039
    172
    ---
    319
    301
    ---
    18 ← remainder
```

P₃₁₀ 2053

$$2053 \div 2 = 1026 \text{ remainder } 1$$

$$\begin{array}{r} 1026 \\ 2 \mid 2053 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 5 \\ 4 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2053 \div 3 = 684 \text{ remainder } 1$$

$$\begin{array}{r} 684 \\ 3 \mid 2053 \\ \underline{18} \\ - - \\ 25 \\ 24 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2053 \div 5 = 410 \text{ remainder } 3$$

$$\begin{array}{r} 410 \\ 5 \mid 2053 \\ \underline{20} \\ - - \\ 5 \\ 5 \\ - \end{array}$$

```

3
0
-
3 ← remainder

```

$$2053 \div 7 = 293 \text{ remainder } 2$$

```

293
7 | 2053
  14
  --
   65
   63
   --
   23
   21
   --
   2 ← remainder

```

$$2053 \div 11 = 186 \text{ remainder } 7$$

```

186
11 | 2053
   11
   --
   95
   88
   --
   73
   66
   --
   7 ← remainder

```

$$2053 \div 13 = 157 \text{ remainder } 12$$

```

157
13 | 2053
   13
   --
   75
   65
   --
  103
   91

```

--
12 ← remainder

$$2053 \div 17 = 120 \text{ remainder } 13$$

```
      120
17 | 2053
    17
    --
    35
    34
    --
    13
    0
    -
    13 ← remainder
```

$$2053 \div 19 = 108 \text{ remainder } 1$$

```
      108
19 | 2053
    19
    --
    15
    0
    -
    153
    152
    ---
    1 ← remainder
```

$$2053 \div 23 = 89 \text{ remainder } 6$$

```
      89
23 | 2053
    184
    ---
    213
    207
    ---
    6 ← remainder
```

$$2053 \div 29 = 70 \text{ remainder } 23$$

$$\begin{array}{r}
 70 \\
 29 \mid 2053 \\
 \underline{203} \\
 --- \\
 23 \\
 0 \\
 - \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2053 \div 31 = 66 \text{ remainder } 7$$

$$\begin{array}{r}
 66 \\
 31 \mid 2053 \\
 \underline{186} \\
 --- \\
 193 \\
 \underline{186} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2053 \div 37 = 55 \text{ remainder } 18$$

$$\begin{array}{r}
 55 \\
 37 \mid 2053 \\
 \underline{185} \\
 --- \\
 203 \\
 \underline{185} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2053 \div 41 = 50 \text{ remainder } 3$$

$$\begin{array}{r}
 50 \\
 41 \mid 2053 \\
 \underline{205} \\
 --- \\
 3 \\
 0 \\
 - \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2053 \div 43 = 47 \text{ remainder } 32$$

| | |
|----|----------------|
| | 47 |
| 43 | 2053 |
| | 172 |
| | --- |
| | 333 |
| | 301 |
| | --- |
| | 32 ← remainder |

P₃₁₁ 2063

$$2063 \div 2 = 1031 \text{ remainder } 1$$

$$\begin{array}{r} 1031 \\ 2 \mid 2063 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 6 \\ 6 \\ - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2063 \div 3 = 687 \text{ remainder } 2$$

$$\begin{array}{r} 687 \\ 3 \mid 2063 \\ \underline{18} \\ -- \\ 26 \\ \underline{24} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2063 \div 5 = 412 \text{ remainder } 3$$

$$\begin{array}{r} 412 \\ 5 \mid 2063 \\ \underline{20} \\ -- \\ 6 \\ \underline{5} \\ - \end{array}$$

13
 10
 --
 3 ← remainder

$$2063 \div 7 = 294 \text{ remainder } 5$$

294
 7 | 2063
 14
 --
 66
 63
 --
 33
 28
 --
 5 ← remainder

$$2063 \div 11 = 187 \text{ remainder } 6$$

187
 11 | 2063
 11
 --
 96
 88
 --
 83
 77
 --
 6 ← remainder

$$2063 \div 13 = 158 \text{ remainder } 9$$

158
 13 | 2063
 13
 --
 76
 65
 --
 113
 104

9 ← remainder

$$2063 \div 17 = 121 \text{ remainder } 6$$

121
17 | 2063
17
--
36
34
--
23
17
--
6 ← remainder

$$2063 \div 19 = 108 \text{ remainder } 11$$

108
19 | 2063
19
--
16
0
-
163
152

11 ← remainder

$$2063 \div 23 = 89 \text{ remainder } 16$$

89
23 | 2063
184

223
207

16 ← remainder

$$2063 \div 29 = 71 \text{ remainder } 4$$

$$\begin{array}{r}
 71 \\
 29 \mid 2063 \\
 \underline{203} \\
 --- \\
 33 \\
 29 \\
 \underline{} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2063 \div 31 = 66 \text{ remainder } 17$$

$$\begin{array}{r}
 66 \\
 31 \mid 2063 \\
 \underline{186} \\
 --- \\
 203 \\
 \underline{186} \\
 --- \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$2063 \div 37 = 55 \text{ remainder } 28$$

$$\begin{array}{r}
 55 \\
 37 \mid 2063 \\
 \underline{185} \\
 --- \\
 213 \\
 \underline{185} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2063 \div 41 = 50 \text{ remainder } 13$$

$$\begin{array}{r}
 50 \\
 41 \mid 2063 \\
 \underline{205} \\
 --- \\
 13 \\
 0 \\
 - \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2063 \div 43 = 47 \text{ remainder } 42$$

| | |
|----|----------------|
| | 47 |
| 43 | 2063 |
| | 172 |
| | --- |
| | 343 |
| | 301 |
| | --- |
| | 42 ← remainder |

P₃₁₂ 2069

$$2069 \div 2 = 1034 \text{ remainder } 1$$

$$\begin{array}{r} 1034 \\ 2 \mid 2069 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 6 \\ 6 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2069 \div 3 = 689 \text{ remainder } 2$$

$$\begin{array}{r} 689 \\ 3 \mid 2069 \\ \underline{18} \\ -- \\ 26 \\ \underline{24} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2069 \div 5 = 413 \text{ remainder } 4$$

$$\begin{array}{r} 413 \\ 5 \mid 2069 \\ \underline{20} \\ -- \\ 6 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
4 ← remainder

```

$$2069 \div 7 = 295 \text{ remainder } 4$$

```

      295
7 | 2069
   14
   --
   66
   63
   --
   39
   35
   --
   4 ← remainder

```

$$2069 \div 11 = 188 \text{ remainder } 1$$

```

      188
11 | 2069
   11
   --
   96
   88
   --
   89
   88
   --
   1 ← remainder

```

$$2069 \div 13 = 159 \text{ remainder } 2$$

```

      159
13 | 2069
   13
   --
   76
   65
   --
   119
   117

```

2 ← remainder

$$2069 \div 17 = 121 \text{ remainder } 12$$

```
      121
17 | 2069
    17
    --
    36
    34
    --
    29
    17
    --
    12 ← remainder
```

$$2069 \div 19 = 108 \text{ remainder } 17$$

```
      108
19 | 2069
    19
    --
    16
    0
    -
    169
    152
    ---
    17 ← remainder
```

$$2069 \div 23 = 89 \text{ remainder } 22$$

```
      89
23 | 2069
    184
    ---
    229
    207
    ---
    22 ← remainder
```

$$2069 \div 29 = 71 \text{ remainder } 10$$

$$\begin{array}{r}
 71 \\
 29 \mid 2069 \\
 \underline{203} \\
 --- \\
 39 \\
 \underline{29} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2069 \div 31 = 66 \text{ remainder } 23$$

$$\begin{array}{r}
 66 \\
 31 \mid 2069 \\
 \underline{186} \\
 --- \\
 209 \\
 \underline{186} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2069 \div 37 = 55 \text{ remainder } 34$$

$$\begin{array}{r}
 55 \\
 37 \mid 2069 \\
 \underline{185} \\
 --- \\
 219 \\
 \underline{185} \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$2069 \div 41 = 50 \text{ remainder } 19$$

$$\begin{array}{r}
 50 \\
 41 \mid 2069 \\
 \underline{205} \\
 --- \\
 19 \\
 \underline{0} \\
 - \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$2069 \div 43 = 48 \text{ remainder } 5$$


```
      48
43 | 2069
    172
    ---
    349
    344
    ---
    5 ← remainder
```

P₃₁₃ 2081

$$2081 \div 2 = 1040 \text{ remainder } 1$$

$$\begin{array}{r} 1040 \\ 2 \mid 2081 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 8 \\ 8 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2081 \div 3 = 693 \text{ remainder } 2$$

$$\begin{array}{r} 693 \\ 3 \mid 2081 \\ \underline{18} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2081 \div 5 = 416 \text{ remainder } 1$$

$$\begin{array}{r} 416 \\ 5 \mid 2081 \\ \underline{20} \\ -- \\ 8 \\ \underline{5} \\ - \end{array}$$

```

31
30
--
1 ← remainder

```

$$2081 \div 7 = 297 \text{ remainder } 2$$

```

      297
7 | 2081
   14
   --
   68
   63
   --
   51
   49
   --
   2 ← remainder

```

$$2081 \div 11 = 189 \text{ remainder } 2$$

```

      189
11 | 2081
   11
   --
   98
   88
   --
  101
   99
   --
   2 ← remainder

```

$$2081 \div 13 = 160 \text{ remainder } 1$$

```

      160
13 | 2081
   13
   --
   78
   78
   --
   1
   0

```

-
1 ← remainder

$$2081 \div 17 = 122 \text{ remainder } 7$$

```
      122
17 | 2081
    17
    --
    38
    34
    --
    41
    34
    --
    7 ← remainder
```

$$2081 \div 19 = 109 \text{ remainder } 10$$

```
      109
19 | 2081
    19
    --
    18
    0
    -
    181
    171
    ---
    10 ← remainder
```

$$2081 \div 23 = 90 \text{ remainder } 11$$

```
      90
23 | 2081
    207
    ---
    11
    0
    -
    11 ← remainder
```

$$2081 \div 29 = 71 \text{ remainder } 22$$

$$\begin{array}{r}
 71 \\
 29 \mid 2081 \\
 203 \\
 \text{---} \\
 51 \\
 29 \\
 \text{---} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2081 \div 31 = 67 \text{ remainder } 4$$

$$\begin{array}{r}
 67 \\
 31 \mid 2081 \\
 186 \\
 \text{---} \\
 221 \\
 217 \\
 \text{---} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2081 \div 37 = 56 \text{ remainder } 9$$

$$\begin{array}{r}
 56 \\
 37 \mid 2081 \\
 185 \\
 \text{---} \\
 231 \\
 222 \\
 \text{---} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$2081 \div 41 = 50 \text{ remainder } 31$$

$$\begin{array}{r}
 50 \\
 41 \mid 2081 \\
 205 \\
 \text{---} \\
 31 \\
 0 \\
 \text{---} \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$2081 \div 43 = 48 \text{ remainder } 17$$

```
      48
43 | 2081
    172
    ---
    361
    344
    ---
    17 ← remainder
```

P₃₁₄ 2083

$$2083 \div 2 = 1041 \text{ remainder } 1$$

$$\begin{array}{r} 1041 \\ 2 \mid 2083 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 8 \\ 8 \\ - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2083 \div 3 = 694 \text{ remainder } 1$$

$$\begin{array}{r} 694 \\ 3 \mid 2083 \\ \underline{18} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2083 \div 5 = 416 \text{ remainder } 3$$

$$\begin{array}{r} 416 \\ 5 \mid 2083 \\ \underline{20} \\ -- \\ 8 \\ \underline{5} \\ - \end{array}$$

```

33
30
--
3 ← remainder

```

$$2083 \div 7 = 297 \text{ remainder } 4$$

```

297
7 | 2083
  14
  --
  68
  63
  --
  53
  49
  --
  4 ← remainder

```

$$2083 \div 11 = 189 \text{ remainder } 4$$

```

189
11 | 2083
   11
   --
   98
   88
   --
  103
   99
   --
   4 ← remainder

```

$$2083 \div 13 = 160 \text{ remainder } 3$$

```

160
13 | 2083
   13
   --
   78
   78
   --
   3
   0

```


-
3 ← remainder

$$2083 \div 17 = 122 \text{ remainder } 9$$

```
      122
17 | 2083
    17
    --
    38
    34
    --
    43
    34
    --
    9 ← remainder
```

$$2083 \div 19 = 109 \text{ remainder } 12$$

```
      109
19 | 2083
    19
    --
    18
    0
    -
    183
    171
    ---
    12 ← remainder
```

$$2083 \div 23 = 90 \text{ remainder } 13$$

```
      90
23 | 2083
    207
    ---
    13
    0
    -
    13 ← remainder
```

$$2083 \div 29 = 71 \text{ remainder } 24$$

$$\begin{array}{r}
 71 \\
 29 \mid 2083 \\
 \underline{203} \\
 --- \\
 53 \\
 29 \\
 \underline{29} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$2083 \div 31 = 67 \text{ remainder } 6$$

$$\begin{array}{r}
 67 \\
 31 \mid 2083 \\
 \underline{186} \\
 --- \\
 223 \\
 217 \\
 \underline{217} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$2083 \div 37 = 56 \text{ remainder } 11$$

$$\begin{array}{r}
 56 \\
 37 \mid 2083 \\
 \underline{185} \\
 --- \\
 233 \\
 222 \\
 \underline{222} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$2083 \div 41 = 50 \text{ remainder } 33$$

$$\begin{array}{r}
 50 \\
 41 \mid 2083 \\
 \underline{205} \\
 --- \\
 33 \\
 0 \\
 \underline{0} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$2083 \div 43 = 48 \text{ remainder } 19$$

```
      48
43 | 2083
    172
    ---
    363
    344
    ---
    19 ← remainder
```

P₃₁₅ 2087

$$2087 \div 2 = 1043 \text{ remainder } 1$$

$$\begin{array}{r} 1043 \\ 2 \mid 2087 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 8 \\ 8 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2087 \div 3 = 695 \text{ remainder } 2$$

$$\begin{array}{r} 695 \\ 3 \mid 2087 \\ \underline{18} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2087 \div 5 = 417 \text{ remainder } 2$$

$$\begin{array}{r} 417 \\ 5 \mid 2087 \\ \underline{20} \\ -- \\ 8 \\ \underline{5} \\ - \end{array}$$

```

37
35
--
2 ← remainder

```

$$2087 \div 7 = 298 \text{ remainder } 1$$

```

298
7 | 2087
  14
  --
   68
   63
   --
   57
   56
   --
   1 ← remainder

```

$$2087 \div 11 = 189 \text{ remainder } 8$$

```

189
11 | 2087
   11
   --
   98
   88
   --
  107
   99
   --
   8 ← remainder

```

$$2087 \div 13 = 160 \text{ remainder } 7$$

```

160
13 | 2087
   13
   --
   78
   78
   --
    7
    0

```

-
7 ← remainder

$$2087 \div 17 = 122 \text{ remainder } 13$$

```
      122
17 | 2087
    17
    --
    38
    34
    --
    47
    34
    --
    13 ← remainder
```

$$2087 \div 19 = 109 \text{ remainder } 16$$

```
      109
19 | 2087
    19
    --
    18
    0
    -
    187
    171
    ---
    16 ← remainder
```

$$2087 \div 23 = 90 \text{ remainder } 17$$

```
      90
23 | 2087
    207
    ---
    17
    0
    -
    17 ← remainder
```

$$2087 \div 29 = 71 \text{ remainder } 28$$

$$\begin{array}{r}
 71 \\
 29 \mid 2087 \\
 \underline{203} \\
 57 \\
 \underline{29} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2087 \div 31 = 67 \text{ remainder } 10$$

$$\begin{array}{r}
 67 \\
 31 \mid 2087 \\
 \underline{186} \\
 227 \\
 \underline{217} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2087 \div 37 = 56 \text{ remainder } 15$$

$$\begin{array}{r}
 56 \\
 37 \mid 2087 \\
 \underline{185} \\
 237 \\
 \underline{222} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$2087 \div 41 = 50 \text{ remainder } 37$$

$$\begin{array}{r}
 50 \\
 41 \mid 2087 \\
 \underline{205} \\
 37 \\
 \underline{0} \\
 37 \leftarrow \text{remainder}
 \end{array}$$

$$2087 \div 43 = 48 \text{ remainder } 23$$

```
      48
43 | 2087
    172
    ---
    367
    344
    ---
    23 ← remainder
```


P₃₁₆ 2089

$$2089 \div 2 = 1044 \text{ remainder } 1$$

$$\begin{array}{r} 1044 \\ 2 \mid 2089 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 8 \\ 8 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2089 \div 3 = 696 \text{ remainder } 1$$

$$\begin{array}{r} 696 \\ 3 \mid 2089 \\ \underline{18} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2089 \div 5 = 417 \text{ remainder } 4$$

$$\begin{array}{r} 417 \\ 5 \mid 2089 \\ \underline{20} \\ -- \\ 8 \\ \underline{5} \\ - \end{array}$$

```

39
35
--
4 ← remainder

```

$$2089 \div 7 = 298 \text{ remainder } 3$$

```

298
7 | 2089
  14
  --
   68
   63
   --
   59
   56
   --
   3 ← remainder

```

$$2089 \div 11 = 189 \text{ remainder } 10$$

```

189
11 | 2089
   11
   --
   98
   88
   --
  109
   99
   --
  10 ← remainder

```

$$2089 \div 13 = 160 \text{ remainder } 9$$

```

160
13 | 2089
   13
   --
   78
   78
   --
    9
    0

```

-
9 ← remainder

$$2089 \div 17 = 122 \text{ remainder } 15$$

```
      122
17 | 2089
    17
    --
    38
    34
    --
    49
    34
    --
    15 ← remainder
```

$$2089 \div 19 = 109 \text{ remainder } 18$$

```
      109
19 | 2089
    19
    --
    18
    0
    -
    189
    171
    ---
    18 ← remainder
```

$$2089 \div 23 = 90 \text{ remainder } 19$$

```
      90
23 | 2089
    207
    ---
    19
    0
    -
    19 ← remainder
```

$$2089 \div 29 = 72 \text{ remainder } 1$$

$$\begin{array}{r}
 72 \\
 29 \mid 2089 \\
 \underline{203} \\
 59 \\
 \underline{58} \\
 1 \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$2089 \div 31 = 67 \text{ remainder } 12$$

$$\begin{array}{r}
 67 \\
 31 \mid 2089 \\
 \underline{186} \\
 229 \\
 \underline{217} \\
 12 \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2089 \div 37 = 56 \text{ remainder } 17$$

$$\begin{array}{r}
 56 \\
 37 \mid 2089 \\
 \underline{185} \\
 239 \\
 \underline{222} \\
 17 \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$2089 \div 41 = 50 \text{ remainder } 39$$

$$\begin{array}{r}
 50 \\
 41 \mid 2089 \\
 \underline{205} \\
 39 \\
 0 \\
 - \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$2089 \div 43 = 48 \text{ remainder } 25$$

| | |
|----|----------------|
| | 48 |
| 43 | 2089 |
| | 172 |
| | --- |
| | 369 |
| | 344 |
| | --- |
| | 25 ← remainder |

P₃₁₇ 2099

$$2099 \div 2 = 1049 \text{ remainder } 1$$

$$\begin{array}{r} 1049 \\ 2 \mid 2099 \\ \underline{2} \\ - \\ 0 \\ 0 \\ - \\ 9 \\ 8 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2099 \div 3 = 699 \text{ remainder } 2$$

$$\begin{array}{r} 699 \\ 3 \mid 2099 \\ \underline{18} \\ - - \\ 29 \\ 27 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2099 \div 5 = 419 \text{ remainder } 4$$

$$\begin{array}{r} 419 \\ 5 \mid 2099 \\ \underline{20} \\ - - \\ 9 \\ 5 \\ - \end{array}$$

```

49
45
--
4 ← remainder

```

$$2099 \div 7 = 299 \text{ remainder } 6$$

```

      299
7 | 2099
   14
   --
   69
   63
   --
   69
   63
   --
   6 ← remainder

```

$$2099 \div 11 = 190 \text{ remainder } 9$$

```

      190
11 | 2099
   11
   --
   99
   99
   --
   9
   0
   -
   9 ← remainder

```

$$2099 \div 13 = 161 \text{ remainder } 6$$

```

      161
13 | 2099
   13
   --
   79
   78
   --
   19
   13

```

--
6 ← remainder

$$2099 \div 17 = 123 \text{ remainder } 8$$

123
17 | 2099
17
--
39
34
--
59
51
--
8 ← remainder

$$2099 \div 19 = 110 \text{ remainder } 9$$

110
19 | 2099
19
--
19
19
--
9
0
-
9 ← remainder

$$2099 \div 23 = 91 \text{ remainder } 6$$

91
23 | 2099
207

29
23
--
6 ← remainder

$$2099 \div 29 = 72 \text{ remainder } 11$$

$$\begin{array}{r}
 72 \\
 29 \mid 2099 \\
 \underline{203} \\
 69 \\
 \underline{58} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$2099 \div 31 = 67 \text{ remainder } 22$$

$$\begin{array}{r}
 67 \\
 31 \mid 2099 \\
 \underline{186} \\
 239 \\
 \underline{217} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2099 \div 37 = 56 \text{ remainder } 27$$

$$\begin{array}{r}
 56 \\
 37 \mid 2099 \\
 \underline{185} \\
 249 \\
 \underline{222} \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$2099 \div 41 = 51 \text{ remainder } 8$$

$$\begin{array}{r}
 51 \\
 41 \mid 2099 \\
 \underline{205} \\
 49 \\
 \underline{41} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$2099 \div 43 = 48 \text{ remainder } 35$$

```
      48
43 | 2099
    172
    ---
    379
    344
    ---
    35 ← remainder
```

P₃₁₈ 2111

$$2111 \div 2 = 1055 \text{ remainder } 1$$

$$\begin{array}{r} 1055 \\ 2 \mid 2111 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2111 \div 3 = 703 \text{ remainder } 2$$

$$\begin{array}{r} 703 \\ 3 \mid 2111 \\ \underline{21} \\ -- \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2111 \div 5 = 422 \text{ remainder } 1$$

$$\begin{array}{r} 422 \\ 5 \mid 2111 \\ \underline{20} \\ -- \\ 11 \\ \underline{10} \\ -- \end{array}$$

```

11
10
--
1 ← remainder

```

$$2111 \div 7 = 301 \text{ remainder } 4$$

```

      301
7 | 2111
   21
   --
   1
   0
   -
   11
   7
   -
   4 ← remainder

```

$$2111 \div 11 = 191 \text{ remainder } 10$$

```

      191
11 | 2111
    11
    --
    101
    99
    --
    21
    11
    --
    10 ← remainder

```

$$2111 \div 13 = 162 \text{ remainder } 5$$

```

      162
13 | 2111
    13
    --
    81
    78
    --
    31
    26

```

--
5 ← remainder

$$2111 \div 17 = 124 \text{ remainder } 3$$

124
17 | 2111
17
--
41
34
--
71
68
--
3 ← remainder

$$2111 \div 19 = 111 \text{ remainder } 2$$

111
19 | 2111
19
--
21
19
--
21
19
--
2 ← remainder

$$2111 \div 23 = 91 \text{ remainder } 18$$

91
23 | 2111
207

41
23
--
18 ← remainder

$$2111 \div 29 = 72 \text{ remainder } 23$$

$$\begin{array}{r}
 72 \\
 29 \mid 2111 \\
 \underline{203} \\
 81 \\
 \underline{58} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2111 \div 31 = 68 \text{ remainder } 3$$

$$\begin{array}{r}
 68 \\
 31 \mid 2111 \\
 \underline{186} \\
 251 \\
 \underline{248} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2111 \div 37 = 57 \text{ remainder } 2$$

$$\begin{array}{r}
 57 \\
 37 \mid 2111 \\
 \underline{185} \\
 261 \\
 \underline{259} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2111 \div 41 = 51 \text{ remainder } 20$$

$$\begin{array}{r}
 51 \\
 41 \mid 2111 \\
 \underline{205} \\
 61 \\
 \underline{41} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2111 \div 43 = 49 \text{ remainder } 4$$

| | |
|----|---------------|
| | 49 |
| 43 | 2111 |
| | 172 |
| | --- |
| | 391 |
| | 387 |
| | --- |
| | 4 ← remainder |

P₃₁₉ 2113

$$2113 \div 2 = 1056 \text{ remainder } 1$$

$$\begin{array}{r} 1056 \\ 2 \mid 2113 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2113 \div 3 = 704 \text{ remainder } 1$$

$$\begin{array}{r} 704 \\ 3 \mid 2113 \\ \underline{21} \\ -- \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2113 \div 5 = 422 \text{ remainder } 3$$

$$\begin{array}{r} 422 \\ 5 \mid 2113 \\ \underline{20} \\ -- \\ 11 \\ \underline{10} \\ -- \end{array}$$

13
 10
 --
 3 ← remainder

$$2113 \div 7 = 301 \text{ remainder } 6$$

301
 7 | 2113
 21
 --
 1
 0
 -
 13
 7
 -
 6 ← remainder

$$2113 \div 11 = 192 \text{ remainder } 1$$

192
 11 | 2113
 11
 --
 101
 99
 --
 23
 22
 --
 1 ← remainder

$$2113 \div 13 = 162 \text{ remainder } 7$$

162
 13 | 2113
 13
 --
 81
 78
 --
 33
 26

--
7 ← remainder

$$2113 \div 17 = 124 \text{ remainder } 5$$

124
17 | 2113
17
--
41
34
--
73
68
--
5 ← remainder

$$2113 \div 19 = 111 \text{ remainder } 4$$

111
19 | 2113
19
--
21
19
--
23
19
--
4 ← remainder

$$2113 \div 23 = 91 \text{ remainder } 20$$

91
23 | 2113
207

43
23
--
20 ← remainder

$$2113 \div 29 = 72 \text{ remainder } 25$$

$$\begin{array}{r}
 72 \\
 29 \mid 2113 \\
 \underline{203} \\
 83 \\
 \underline{58} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$2113 \div 31 = 68 \text{ remainder } 5$$

$$\begin{array}{r}
 68 \\
 31 \mid 2113 \\
 \underline{186} \\
 253 \\
 \underline{248} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2113 \div 37 = 57 \text{ remainder } 4$$

$$\begin{array}{r}
 57 \\
 37 \mid 2113 \\
 \underline{185} \\
 263 \\
 \underline{259} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2113 \div 41 = 51 \text{ remainder } 22$$

$$\begin{array}{r}
 51 \\
 41 \mid 2113 \\
 \underline{205} \\
 63 \\
 \underline{41} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2113 \div 43 = 49 \text{ remainder } 6$$

```
      49
43 | 2113
    172
    ---
    393
    387
    ---
    6 ← remainder
```

P₃₂₀ 2129

$$2129 \div 2 = 1064 \text{ remainder } 1$$

$$\begin{array}{r} 1064 \\ 2 \mid 2129 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 12 \\ \underline{12} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2129 \div 3 = 709 \text{ remainder } 2$$

$$\begin{array}{r} 709 \\ 3 \mid 2129 \\ \underline{21} \\ -- \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2129 \div 5 = 425 \text{ remainder } 4$$

$$\begin{array}{r} 425 \\ 5 \mid 2129 \\ \underline{20} \\ -- \\ 12 \\ \underline{10} \\ -- \end{array}$$

```

29
25
--
4 ← remainder

```

$$2129 \div 7 = 304 \text{ remainder } 1$$

```

    304
7 | 2129
   21
   --
    2
    0
    -
    29
    28
    --
    1 ← remainder

```

$$2129 \div 11 = 193 \text{ remainder } 6$$

```

    193
11 | 2129
   11
   --
  102
   99
   --
   39
   33
   --
    6 ← remainder

```

$$2129 \div 13 = 163 \text{ remainder } 10$$

```

    163
13 | 2129
   13
   --
   82
   78
   --
   49
   39

```

--
10 ← remainder

$$2129 \div 17 = 125 \text{ remainder } 4$$

125
17 | 2129
17
--
42
34
--
89
85
--
4 ← remainder

$$2129 \div 19 = 112 \text{ remainder } 1$$

112
19 | 2129
19
--
22
19
--
39
38
--
1 ← remainder

$$2129 \div 23 = 92 \text{ remainder } 13$$

92
23 | 2129
207

59
46
--
13 ← remainder

$$2129 \div 29 = 73 \text{ remainder } 12$$

$$\begin{array}{r}
 73 \\
 29 \mid 2129 \\
 \underline{203} \\
 --- \\
 99 \\
 \underline{87} \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2129 \div 31 = 68 \text{ remainder } 21$$

$$\begin{array}{r}
 68 \\
 31 \mid 2129 \\
 \underline{186} \\
 --- \\
 269 \\
 \underline{248} \\
 --- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$2129 \div 37 = 57 \text{ remainder } 20$$

$$\begin{array}{r}
 57 \\
 37 \mid 2129 \\
 \underline{185} \\
 --- \\
 279 \\
 \underline{259} \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2129 \div 41 = 51 \text{ remainder } 38$$

$$\begin{array}{r}
 51 \\
 41 \mid 2129 \\
 \underline{205} \\
 --- \\
 79 \\
 \underline{41} \\
 -- \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$2129 \div 43 = 49 \text{ remainder } 22$$


```
      49
43 | 2129
    172
    ---
    409
    387
    ---
    22 ← remainder
```

P₃₂₁ 2131

$$2131 \div 2 = 1065 \text{ remainder } 1$$

$$\begin{array}{r} 1065 \\ 2 \mid 2131 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2131 \div 3 = 710 \text{ remainder } 1$$

$$\begin{array}{r} 710 \\ 3 \mid 2131 \\ \underline{21} \\ -- \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2131 \div 5 = 426 \text{ remainder } 1$$

$$\begin{array}{r} 426 \\ 5 \mid 2131 \\ \underline{20} \\ -- \\ 13 \\ \underline{10} \\ -- \end{array}$$

```

31
30
--
1 ← remainder

```

$$2131 \div 7 = 304 \text{ remainder } 3$$

```

      304
7 | 2131
   21
   --
    3
    0
    -
    31
    28
    --
    3 ← remainder

```

$$2131 \div 11 = 193 \text{ remainder } 8$$

```

      193
11 | 2131
    11
    --
   103
    99
    --
    41
    33
    --
    8 ← remainder

```

$$2131 \div 13 = 163 \text{ remainder } 12$$

```

      163
13 | 2131
    13
    --
    83
    78
    --
    51
    39

```

--
12 ← remainder

$$2131 \div 17 = 125 \text{ remainder } 6$$

125
17 | 2131
17
--
43
34
--
91
85
--
6 ← remainder

$$2131 \div 19 = 112 \text{ remainder } 3$$

112
19 | 2131
19
--
23
19
--
41
38
--
3 ← remainder

$$2131 \div 23 = 92 \text{ remainder } 15$$

92
23 | 2131
207

61
46
--
15 ← remainder

$$2131 \div 29 = 73 \text{ remainder } 14$$

$$\begin{array}{r}
 73 \\
 29 \mid 2131 \\
 \underline{203} \\
 --- \\
 101 \\
 \underline{87} \\
 -- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$2131 \div 31 = 68 \text{ remainder } 23$$

$$\begin{array}{r}
 68 \\
 31 \mid 2131 \\
 \underline{186} \\
 --- \\
 271 \\
 \underline{248} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2131 \div 37 = 57 \text{ remainder } 22$$

$$\begin{array}{r}
 57 \\
 37 \mid 2131 \\
 \underline{185} \\
 --- \\
 281 \\
 \underline{259} \\
 --- \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2131 \div 41 = 51 \text{ remainder } 40$$

$$\begin{array}{r}
 51 \\
 41 \mid 2131 \\
 \underline{205} \\
 --- \\
 81 \\
 \underline{41} \\
 -- \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$2131 \div 43 = 49 \text{ remainder } 24$$

| | |
|----|----------------|
| | 49 |
| 43 | 2131 |
| | 172 |
| | --- |
| | 411 |
| | 387 |
| | --- |
| | 24 ← remainder |

P₃₂₂ 2137

$$2137 \div 2 = 1068 \text{ remainder } 1$$

$$\begin{array}{r} 1068 \\ 2 \mid 2137 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2137 \div 3 = 712 \text{ remainder } 1$$

$$\begin{array}{r} 712 \\ 3 \mid 2137 \\ \underline{21} \\ -- \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2137 \div 5 = 427 \text{ remainder } 2$$

$$\begin{array}{r} 427 \\ 5 \mid 2137 \\ \underline{20} \\ -- \\ 13 \\ \underline{10} \\ -- \end{array}$$

```

37
35
--
2 ← remainder

```

$$2137 \div 7 = 305 \text{ remainder } 2$$

```

      305
7 | 2137
  21
  --
   3
   0
   -
  37
  35
  --
   2 ← remainder

```

$$2137 \div 11 = 194 \text{ remainder } 3$$

```

      194
11 | 2137
   11
   --
  103
   99
   --
   47
   44
   --
    3 ← remainder

```

$$2137 \div 13 = 164 \text{ remainder } 5$$

```

      164
13 | 2137
   13
   --
   83
   78
   --
   57
   52

```


--
5 ← remainder

$$2137 \div 17 = 125 \text{ remainder } 12$$

125
17 | 2137
17
--
43
34
--
97
85
--
12 ← remainder

$$2137 \div 19 = 112 \text{ remainder } 9$$

112
19 | 2137
19
--
23
19
--
47
38
--
9 ← remainder

$$2137 \div 23 = 92 \text{ remainder } 21$$

92
23 | 2137
207

67
46
--
21 ← remainder

$$2137 \div 29 = 73 \text{ remainder } 20$$

$$\begin{array}{r}
 73 \\
 29 \mid 2137 \\
 \underline{203} \\
 --- \\
 107 \\
 \underline{87} \\
 -- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2137 \div 31 = 68 \text{ remainder } 29$$

$$\begin{array}{r}
 68 \\
 31 \mid 2137 \\
 \underline{186} \\
 --- \\
 277 \\
 \underline{248} \\
 --- \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$2137 \div 37 = 57 \text{ remainder } 28$$

$$\begin{array}{r}
 57 \\
 37 \mid 2137 \\
 \underline{185} \\
 --- \\
 287 \\
 \underline{259} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2137 \div 41 = 52 \text{ remainder } 5$$

$$\begin{array}{r}
 52 \\
 41 \mid 2137 \\
 \underline{205} \\
 --- \\
 87 \\
 \underline{82} \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2137 \div 43 = 49 \text{ remainder } 30$$

| | |
|----|----------------|
| | 49 |
| 43 | 2137 |
| | 172 |
| | --- |
| | 417 |
| | 387 |
| | --- |
| | 30 ← remainder |

P₃₂₃ 2141

$$2141 \div 2 = 1070 \text{ remainder } 1$$

$$\begin{array}{r} 1070 \\ 2 \mid 2141 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 14 \\ \underline{14} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2141 \div 3 = 713 \text{ remainder } 2$$

$$\begin{array}{r} 713 \\ 3 \mid 2141 \\ \underline{21} \\ - - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2141 \div 5 = 428 \text{ remainder } 1$$

$$\begin{array}{r} 428 \\ 5 \mid 2141 \\ \underline{20} \\ - - \\ 14 \\ \underline{10} \\ - - \end{array}$$

41
 40
 --
 1 ← remainder

$$2141 \div 7 = 305 \text{ remainder } 6$$

305
 7 | 2141
 21
 --
 4
 0
 -
 41
 35
 --
 6 ← remainder

$$2141 \div 11 = 194 \text{ remainder } 7$$

194
 11 | 2141
 11
 --
 104
 99
 --
 51
 44
 --
 7 ← remainder

$$2141 \div 13 = 164 \text{ remainder } 9$$

164
 13 | 2141
 13
 --
 84
 78
 --
 61
 52

--
9 ← remainder

$$2141 \div 17 = 125 \text{ remainder } 16$$

125
17 | 2141
17
--
44
34
--
101
85
--
16 ← remainder

$$2141 \div 19 = 112 \text{ remainder } 13$$

112
19 | 2141
19
--
24
19
--
51
38
--
13 ← remainder

$$2141 \div 23 = 93 \text{ remainder } 2$$

93
23 | 2141
207

71
69
--
2 ← remainder

$$2141 \div 29 = 73 \text{ remainder } 24$$

$$\begin{array}{r}
 73 \\
 29 \mid 2141 \\
 \underline{203} \\
 111 \\
 \underline{87} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$2141 \div 31 = 69 \text{ remainder } 2$$

$$\begin{array}{r}
 69 \\
 31 \mid 2141 \\
 \underline{186} \\
 281 \\
 \underline{279} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2141 \div 37 = 57 \text{ remainder } 32$$

$$\begin{array}{r}
 57 \\
 37 \mid 2141 \\
 \underline{185} \\
 291 \\
 \underline{259} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$2141 \div 41 = 52 \text{ remainder } 9$$

$$\begin{array}{r}
 52 \\
 41 \mid 2141 \\
 \underline{205} \\
 91 \\
 \underline{82} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$2141 \div 43 = 49 \text{ remainder } 34$$

| | |
|----|----------------|
| | 49 |
| 43 | 2141 |
| | 172 |
| | --- |
| | 421 |
| | 387 |
| | --- |
| | 34 ← remainder |

P₃₂₄ 2143

$$2143 \div 2 = 1071 \text{ remainder } 1$$

$$\begin{array}{r} 1071 \\ 2 \mid 2143 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 14 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2143 \div 3 = 714 \text{ remainder } 1$$

$$\begin{array}{r} 714 \\ 3 \mid 2143 \\ \underline{21} \\ -- \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2143 \div 5 = 428 \text{ remainder } 3$$

$$\begin{array}{r} 428 \\ 5 \mid 2143 \\ \underline{20} \\ -- \\ 14 \\ \underline{10} \\ -- \end{array}$$

43
 40
 --
 3 ← remainder

$$2143 \div 7 = 306 \text{ remainder } 1$$

306
 7 | 2143
 21
 --
 4
 0
 -
 43
 42
 --
 1 ← remainder

$$2143 \div 11 = 194 \text{ remainder } 9$$

194
 11 | 2143
 11
 --
 104
 99
 --
 53
 44
 --
 9 ← remainder

$$2143 \div 13 = 164 \text{ remainder } 11$$

164
 13 | 2143
 13
 --
 84
 78
 --
 63
 52

--
11 ← remainder

$$2143 \div 17 = 126 \text{ remainder } 1$$

126
17 | 2143
17
--
44
34
--
103
102

1 ← remainder

$$2143 \div 19 = 112 \text{ remainder } 15$$

112
19 | 2143
19
--
24
19
--
53
38
--
15 ← remainder

$$2143 \div 23 = 93 \text{ remainder } 4$$

93
23 | 2143
207

73
69
--
4 ← remainder

$$2143 \div 29 = 73 \text{ remainder } 26$$

$$\begin{array}{r}
 73 \\
 29 \mid 2143 \\
 203 \\
 --- \\
 113 \\
 87 \\
 -- \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$2143 \div 31 = 69 \text{ remainder } 4$$

$$\begin{array}{r}
 69 \\
 31 \mid 2143 \\
 186 \\
 --- \\
 283 \\
 279 \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2143 \div 37 = 57 \text{ remainder } 34$$

$$\begin{array}{r}
 57 \\
 37 \mid 2143 \\
 185 \\
 --- \\
 293 \\
 259 \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$2143 \div 41 = 52 \text{ remainder } 11$$

$$\begin{array}{r}
 52 \\
 41 \mid 2143 \\
 205 \\
 --- \\
 93 \\
 82 \\
 -- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$2143 \div 43 = 49 \text{ remainder } 36$$

| | |
|----|----------------|
| | 49 |
| 43 | 2143 |
| | 172 |
| | --- |
| | 423 |
| | 387 |
| | --- |
| | 36 ← remainder |

P₃₂₅ 2153

$$2153 \div 2 = 1076 \text{ remainder } 1$$

$$\begin{array}{r} 1076 \\ 2 \mid 2153 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 15 \\ \underline{14} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2153 \div 3 = 717 \text{ remainder } 2$$

$$\begin{array}{r} 717 \\ 3 \mid 2153 \\ \underline{21} \\ -- \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2153 \div 5 = 430 \text{ remainder } 3$$

$$\begin{array}{r} 430 \\ 5 \mid 2153 \\ \underline{20} \\ -- \\ 15 \\ \underline{15} \\ -- \end{array}$$

```

3
0
-
3 ← remainder

```

$2153 \div 7 = 307 \text{ remainder } 4$

```

      307
7 | 2153
   21
   --
    5
    0
    -
   53
   49
   --
    4 ← remainder

```

$2153 \div 11 = 195 \text{ remainder } 8$

```

      195
11 | 2153
   11
   --
  105
   99
   --
   63
   55
   --
    8 ← remainder

```

$2153 \div 13 = 165 \text{ remainder } 8$

```

      165
13 | 2153
   13
   --
   85
   78
   --
   73
   65

```

--
8 ← remainder

$$2153 \div 17 = 126 \text{ remainder } 11$$

126
17 | 2153
17
--
45
34
--
113
102

11 ← remainder

$$2153 \div 19 = 113 \text{ remainder } 6$$

113
19 | 2153
19
--
25
19
--
63
57
--
6 ← remainder

$$2153 \div 23 = 93 \text{ remainder } 14$$

93
23 | 2153
207

83
69
--
14 ← remainder

$$2153 \div 29 = 74 \text{ remainder } 7$$

$$\begin{array}{r}
 74 \\
 29 \mid 2153 \\
 \underline{203} \\
 --- \\
 123 \\
 \underline{116} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2153 \div 31 = 69 \text{ remainder } 14$$

$$\begin{array}{r}
 69 \\
 31 \mid 2153 \\
 \underline{186} \\
 --- \\
 293 \\
 \underline{279} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$2153 \div 37 = 58 \text{ remainder } 7$$

$$\begin{array}{r}
 58 \\
 37 \mid 2153 \\
 \underline{185} \\
 --- \\
 303 \\
 \underline{296} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2153 \div 41 = 52 \text{ remainder } 21$$

$$\begin{array}{r}
 52 \\
 41 \mid 2153 \\
 \underline{205} \\
 --- \\
 103 \\
 \underline{82} \\
 --- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$2153 \div 43 = 50 \text{ remainder } 3$$

```

      50
43 | 2153
    215
    ---
      3
      0
      -
      3 ← remainder

```

P₃₂₆ 2161

$$2161 \div 2 = 1080 \text{ remainder } 1$$

$$\begin{array}{r} 1080 \\ 2 \mid 2161 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 16 \\ \underline{16} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2161 \div 3 = 720 \text{ remainder } 1$$

$$\begin{array}{r} 720 \\ 3 \mid 2161 \\ \underline{21} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2161 \div 5 = 432 \text{ remainder } 1$$

$$\begin{array}{r} 432 \\ 5 \mid 2161 \\ \underline{20} \\ - - \\ 16 \\ \underline{15} \\ - - \end{array}$$

```

11
10
--
1 ← remainder

```

$$2161 \div 7 = 308 \text{ remainder } 5$$

```

      308
7 | 2161
   21
   --
     6
     0
     -
     61
     56
     --
     5 ← remainder

```

$$2161 \div 11 = 196 \text{ remainder } 5$$

```

      196
11 | 2161
    11
    --
    106
    99
    --
    71
    66
    --
    5 ← remainder

```

$$2161 \div 13 = 166 \text{ remainder } 3$$

```

      166
13 | 2161
    13
    --
    86
    78
    --
    81
    78

```

--
3 ← remainder

$$2161 \div 17 = 127 \text{ remainder } 2$$

127
17 | 2161
17
--
46
34
--
121
119

2 ← remainder

$$2161 \div 19 = 113 \text{ remainder } 14$$

113
19 | 2161
19
--
26
19
--
71
57
--
14 ← remainder

$$2161 \div 23 = 93 \text{ remainder } 22$$

93
23 | 2161
207

91
69
--
22 ← remainder

$$2161 \div 29 = 74 \text{ remainder } 15$$

$$\begin{array}{r}
 74 \\
 29 \mid 2161 \\
 \underline{203} \\
 --- \\
 131 \\
 \underline{116} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$2161 \div 31 = 69 \text{ remainder } 22$$

$$\begin{array}{r}
 69 \\
 31 \mid 2161 \\
 \underline{186} \\
 --- \\
 301 \\
 \underline{279} \\
 --- \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2161 \div 37 = 58 \text{ remainder } 15$$

$$\begin{array}{r}
 58 \\
 37 \mid 2161 \\
 \underline{185} \\
 --- \\
 311 \\
 \underline{296} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$2161 \div 41 = 52 \text{ remainder } 29$$

$$\begin{array}{r}
 52 \\
 41 \mid 2161 \\
 \underline{205} \\
 --- \\
 111 \\
 \underline{82} \\
 --- \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$2161 \div 43 = 50 \text{ remainder } 11$$

```

      50
43 | 2161
    215
    ---
     11
     0
     -
    11 ← remainder

```

P₃₂₇ 2179

$$2179 \div 2 = 1089 \text{ remainder } 1$$

$$\begin{array}{r} 1089 \\ 2 \mid 2179 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2179 \div 3 = 726 \text{ remainder } 1$$

$$\begin{array}{r} 726 \\ 3 \mid 2179 \\ \underline{21} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2179 \div 5 = 435 \text{ remainder } 4$$

$$\begin{array}{r} 435 \\ 5 \mid 2179 \\ \underline{20} \\ -- \\ 17 \\ \underline{15} \\ -- \end{array}$$

29
 25
 --
 4 ← remainder

$$2179 \div 7 = 311 \text{ remainder } 2$$

311
 7 | 2179
 21
 --
 7
 7
 -
 9
 7
 -
 2 ← remainder

$$2179 \div 11 = 198 \text{ remainder } 1$$

198
 11 | 2179
 11
 --
 107
 99
 --
 89
 88
 --
 1 ← remainder

$$2179 \div 13 = 167 \text{ remainder } 8$$

167
 13 | 2179
 13
 --
 87
 78
 --
 99
 91

--
8 ← remainder

$$2179 \div 17 = 128 \text{ remainder } 3$$

128
17 | 2179
17
--
47
34
--
139
136

3 ← remainder

$$2179 \div 19 = 114 \text{ remainder } 13$$

114
19 | 2179
19
--
27
19
--
89
76
--
13 ← remainder

$$2179 \div 23 = 94 \text{ remainder } 17$$

94
23 | 2179
207

109
92
--
17 ← remainder

$$2179 \div 29 = 75 \text{ remainder } 4$$

$$\begin{array}{r}
 75 \\
 29 \mid 2179 \\
 \underline{203} \\
 --- \\
 149 \\
 \underline{145} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2179 \div 31 = 70 \text{ remainder } 9$$

$$\begin{array}{r}
 70 \\
 31 \mid 2179 \\
 \underline{217} \\
 --- \\
 9 \\
 0 \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$2179 \div 37 = 58 \text{ remainder } 33$$

$$\begin{array}{r}
 58 \\
 37 \mid 2179 \\
 \underline{185} \\
 --- \\
 329 \\
 \underline{296} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$2179 \div 41 = 53 \text{ remainder } 6$$

$$\begin{array}{r}
 53 \\
 41 \mid 2179 \\
 \underline{205} \\
 --- \\
 129 \\
 \underline{123} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$2179 \div 43 = 50 \text{ remainder } 29$$

| | |
|----|----------------|
| | 50 |
| 43 | 2179 |
| | 215 |
| | --- |
| | 29 |
| | 0 |
| | - |
| | 29 ← remainder |

P₃₂₈ 2203

$$2203 \div 2 = 1101 \text{ remainder } 1$$

$$\begin{array}{r} 1101 \\ 2 \mid 2203 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2203 \div 3 = 734 \text{ remainder } 1$$

$$\begin{array}{r} 734 \\ 3 \mid 2203 \\ \underline{21} \\ - - \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2203 \div 5 = 440 \text{ remainder } 3$$

$$\begin{array}{r} 440 \\ 5 \mid 2203 \\ \underline{20} \\ - - \\ 20 \\ \underline{20} \\ - - \end{array}$$

```

  3
  0
  -
  3 ← remainder

```

$$2203 \div 7 = 314 \text{ remainder } 5$$

```

    314
7 | 2203
   21
   --
   10
    7
    -
   33
   28
   --
    5 ← remainder

```

$$2203 \div 11 = 200 \text{ remainder } 3$$

```

    200
11 | 2203
   22
   --
    0
    0
    -
    3
    0
    -
    3 ← remainder

```

$$2203 \div 13 = 169 \text{ remainder } 6$$

```

    169
13 | 2203
   13
   --
   90
   78
   --
  123
  117

```

6 ← remainder

$$2203 \div 17 = 129 \text{ remainder } 10$$

```
      129
17 | 2203
    17
    --
    50
    34
    --
    163
    153
    ---
    10 ← remainder
```

$$2203 \div 19 = 115 \text{ remainder } 18$$

```
      115
19 | 2203
    19
    --
    30
    19
    --
    113
    95
    --
    18 ← remainder
```

$$2203 \div 23 = 95 \text{ remainder } 18$$

```
      95
23 | 2203
    207
    ---
    133
    115
    ---
    18 ← remainder
```

$$2203 \div 29 = 75 \text{ remainder } 28$$

$$\begin{array}{r}
 75 \\
 29 \mid 2203 \\
 \underline{203} \\
 --- \\
 173 \\
 \underline{145} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2203 \div 31 = 71 \text{ remainder } 2$$

$$\begin{array}{r}
 71 \\
 31 \mid 2203 \\
 \underline{217} \\
 --- \\
 33 \\
 \underline{31} \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2203 \div 37 = 59 \text{ remainder } 20$$

$$\begin{array}{r}
 59 \\
 37 \mid 2203 \\
 \underline{185} \\
 --- \\
 353 \\
 \underline{333} \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2203 \div 41 = 53 \text{ remainder } 30$$

$$\begin{array}{r}
 53 \\
 41 \mid 2203 \\
 \underline{205} \\
 --- \\
 153 \\
 \underline{123} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$2203 \div 43 = 51 \text{ remainder } 10$$

| | |
|----|----------------|
| | 51 |
| 43 | 2203 |
| | 215 |
| | --- |
| | 53 |
| | 43 |
| | -- |
| | 10 ← remainder |

P₃₂₉ 2207

$$2207 \div 2 = 1103 \text{ remainder } 1$$

$$\begin{array}{r} 1103 \\ 2 \overline{) 2207} \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2207 \div 3 = 735 \text{ remainder } 2$$

$$\begin{array}{r} 735 \\ 3 \overline{) 2207} \\ \underline{21} \\ - - \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2207 \div 5 = 441 \text{ remainder } 2$$

$$\begin{array}{r} 441 \\ 5 \overline{) 2207} \\ \underline{20} \\ - - \\ 20 \\ \underline{20} \\ - - \end{array}$$

```

7
5
-
2 ← remainder

```

$$2207 \div 7 = 315 \text{ remainder } 2$$

```

      315
7 | 2207
  21
  --
   10
   7
   -
   37
   35
   --
    2 ← remainder

```

$$2207 \div 11 = 200 \text{ remainder } 7$$

```

      200
11 | 2207
   22
   --
    0
    0
    -
    7
    0
    -
    7 ← remainder

```

$$2207 \div 13 = 169 \text{ remainder } 10$$

```

      169
13 | 2207
   13
   --
   90
   78
   --
  127
  117

```

10 ← remainder

$$2207 \div 17 = 129 \text{ remainder } 14$$

$$\begin{array}{r} 129 \\ 17 \overline{) 2207} \\ \underline{17} \end{array}$$

--

50

34

--

167

153

14 ← remainder

$$2207 \div 19 = 116 \text{ remainder } 3$$

$$\begin{array}{r} 116 \\ 19 \overline{) 2207} \\ \underline{19} \end{array}$$

--

30

19

--

117

114

3 ← remainder

$$2207 \div 23 = 95 \text{ remainder } 22$$

$$\begin{array}{r} 95 \\ 23 \overline{) 2207} \\ \underline{207} \end{array}$$

137

115

22 ← remainder

$$2207 \div 29 = 76 \text{ remainder } 3$$

```

      76
29 | 2207
    203
    ---
    177
    174
    ---
      3 ← remainder

```

$2207 \div 31 = 71 \text{ remainder } 6$

```

      71
31 | 2207
    217
    ---
     37
     31
     --
      6 ← remainder

```

$2207 \div 37 = 59 \text{ remainder } 24$

```

      59
37 | 2207
    185
    ---
    357
    333
    ---
     24 ← remainder

```

$2207 \div 41 = 53 \text{ remainder } 34$

```

      53
41 | 2207
    205
    ---
    157
    123
    ---
     34 ← remainder

```

$2207 \div 43 = 51 \text{ remainder } 14$

| | |
|----|----------------|
| | 51 |
| 43 | 2207 |
| | 215 |
| | --- |
| | 57 |
| | 43 |
| | -- |
| | 14 ← remainder |

P₃₃₀ 2213

$$2213 \div 2 = 1106 \text{ remainder } 1$$

$$\begin{array}{r} 1106 \\ 2 \overline{) 2213} \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2213 \div 3 = 737 \text{ remainder } 2$$

$$\begin{array}{r} 737 \\ 3 \overline{) 2213} \\ \underline{21} \\ -- \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2213 \div 5 = 442 \text{ remainder } 3$$

$$\begin{array}{r} 442 \\ 5 \overline{) 2213} \\ \underline{20} \\ -- \\ 21 \\ \underline{20} \\ -- \end{array}$$

```

13
10
--
3 ← remainder

```

$$2213 \div 7 = 316 \text{ remainder } 1$$

```

      316
7 | 2213
  21
  --
   11
   7
   -
   43
   42
   --
    1 ← remainder

```

$$2213 \div 11 = 201 \text{ remainder } 2$$

```

      201
11 | 2213
   22
   --
    1
    0
    -
    13
    11
    --
     2 ← remainder

```

$$2213 \div 13 = 170 \text{ remainder } 3$$

```

      170
13 | 2213
   13
   --
   91
   91
   --
    3
    0

```


-
3 ← remainder

$$2213 \div 17 = 130 \text{ remainder } 3$$

```
      130
17 | 2213
    17
    --
    51
    51
    --
     3
     0
     -
     3 ← remainder
```

$$2213 \div 19 = 116 \text{ remainder } 9$$

```
      116
19 | 2213
    19
    --
    31
    19
    --
    123
    114
    ---
     9 ← remainder
```

$$2213 \div 23 = 96 \text{ remainder } 5$$

```
      96
23 | 2213
    207
    ---
    143
    138
    ---
     5 ← remainder
```

$$2213 \div 29 = 76 \text{ remainder } 9$$

$$\begin{array}{r}
 76 \\
 29 \mid 2213 \\
 203 \\
 \text{---} \\
 183 \\
 174 \\
 \text{---} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$2213 \div 31 = 71 \text{ remainder } 12$$

$$\begin{array}{r}
 71 \\
 31 \mid 2213 \\
 217 \\
 \text{---} \\
 43 \\
 31 \\
 \text{---} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2213 \div 37 = 59 \text{ remainder } 30$$

$$\begin{array}{r}
 59 \\
 37 \mid 2213 \\
 185 \\
 \text{---} \\
 363 \\
 333 \\
 \text{---} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$2213 \div 41 = 53 \text{ remainder } 40$$

$$\begin{array}{r}
 53 \\
 41 \mid 2213 \\
 205 \\
 \text{---} \\
 163 \\
 123 \\
 \text{---} \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$2213 \div 43 = 51 \text{ remainder } 20$$

$$\begin{array}{r}
 51 \\
 43 \mid 2213 \\
 \underline{215} \\
 63 \\
 \underline{43} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2213 \div 47 = 47 \text{ remainder } 4$$

$$\begin{array}{r}
 47 \\
 47 \mid 2213 \\
 \underline{188} \\
 333 \\
 \underline{329} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₁ 2221

$$2221 \div 2 = 1110 \text{ remainder } 1$$

$$\begin{array}{r} 1110 \\ 2 \mid 2221 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2221 \div 3 = 740 \text{ remainder } 1$$

$$\begin{array}{r} 740 \\ 3 \mid 2221 \\ \underline{21} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2221 \div 5 = 444 \text{ remainder } 1$$

$$\begin{array}{r} 444 \\ 5 \mid 2221 \\ \underline{20} \\ -- \\ 22 \\ \underline{20} \\ -- \end{array}$$

```

21
20
--
1 ← remainder

```

$$2221 \div 7 = 317 \text{ remainder } 2$$

```

    317
7 | 2221
  21
  --
   12
   7
   -
   51
   49
   --
    2 ← remainder

```

$$2221 \div 11 = 201 \text{ remainder } 10$$

```

    201
11 | 2221
   22
   --
    2
    0
    -
    21
    11
    --
    10 ← remainder

```

$$2221 \div 13 = 170 \text{ remainder } 11$$

```

    170
13 | 2221
   13
   --
   92
   91
   --
   11
   0

```

-
11 ← remainder

$$2221 \div 17 = 130 \text{ remainder } 11$$

```
      130
17 | 2221
    17
    --
    52
    51
    --
    11
    0
    -
    11 ← remainder
```

$$2221 \div 19 = 116 \text{ remainder } 17$$

```
      116
19 | 2221
    19
    --
    32
    19
    --
    131
    114
    ---
    17 ← remainder
```

$$2221 \div 23 = 96 \text{ remainder } 13$$

```
      96
23 | 2221
    207
    ---
    151
    138
    ---
    13 ← remainder
```

$$2221 \div 29 = 76 \text{ remainder } 17$$

$$\begin{array}{r}
 76 \\
 29 \mid 2221 \\
 203 \\
 \text{---} \\
 191 \\
 174 \\
 \text{---} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$2221 \div 31 = 71 \text{ remainder } 20$$

$$\begin{array}{r}
 71 \\
 31 \mid 2221 \\
 217 \\
 \text{---} \\
 51 \\
 31 \\
 \text{---} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2221 \div 37 = 60 \text{ remainder } 1$$

$$\begin{array}{r}
 60 \\
 37 \mid 2221 \\
 222 \\
 \text{---} \\
 1 \\
 0 \\
 \text{---} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$2221 \div 41 = 54 \text{ remainder } 7$$

$$\begin{array}{r}
 54 \\
 41 \mid 2221 \\
 205 \\
 \text{---} \\
 171 \\
 164 \\
 \text{---} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2221 \div 43 = 51 \text{ remainder } 28$$

$$\begin{array}{r}
 51 \\
 43 \mid 2221 \\
 \underline{215} \\
 71 \\
 \underline{43} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2221 \div 47 = 47 \text{ remainder } 12$$

$$\begin{array}{r}
 47 \\
 47 \mid 2221 \\
 \underline{188} \\
 341 \\
 \underline{329} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₂ 2237

$$2237 \div 2 = 1118 \text{ remainder } 1$$

$$\begin{array}{r} 1118 \\ 2 \mid 2237 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2237 \div 3 = 745 \text{ remainder } 2$$

$$\begin{array}{r} 745 \\ 3 \mid 2237 \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2237 \div 5 = 447 \text{ remainder } 2$$

$$\begin{array}{r} 447 \\ 5 \mid 2237 \\ \underline{20} \\ -- \\ 23 \\ \underline{20} \\ -- \end{array}$$

```

37
35
--
2 ← remainder

```

$$2237 \div 7 = 319 \text{ remainder } 4$$

```

319
7 | 2237
  21
  --
  13
   7
   -
   67
   63
   --
   4 ← remainder

```

$$2237 \div 11 = 203 \text{ remainder } 4$$

```

203
11 | 2237
   22
   --
   3
   0
   -
   37
   33
   --
   4 ← remainder

```

$$2237 \div 13 = 172 \text{ remainder } 1$$

```

172
13 | 2237
   13
   --
   93
   91
   --
   27
   26

```

--
1 ← remainder

$$2237 \div 17 = 131 \text{ remainder } 10$$

131
17 | 2237
17
--
53
51
--
27
17
--
10 ← remainder

$$2237 \div 19 = 117 \text{ remainder } 14$$

117
19 | 2237
19
--
33
19
--
147
133

14 ← remainder

$$2237 \div 23 = 97 \text{ remainder } 6$$

97
23 | 2237
207

167
161

6 ← remainder

$$2237 \div 29 = 77 \text{ remainder } 4$$

$$\begin{array}{r}
 77 \\
 29 \mid 2237 \\
 \underline{203} \\
 --- \\
 207 \\
 \underline{203} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2237 \div 31 = 72 \text{ remainder } 5$$

$$\begin{array}{r}
 72 \\
 31 \mid 2237 \\
 \underline{217} \\
 --- \\
 67 \\
 \underline{62} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2237 \div 37 = 60 \text{ remainder } 17$$

$$\begin{array}{r}
 60 \\
 37 \mid 2237 \\
 \underline{222} \\
 --- \\
 17 \\
 \underline{0} \\
 - \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$2237 \div 41 = 54 \text{ remainder } 23$$

$$\begin{array}{r}
 54 \\
 41 \mid 2237 \\
 \underline{205} \\
 --- \\
 187 \\
 \underline{164} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2237 \div 43 = 52 \text{ remainder } 1$$

$$\begin{array}{r}
 52 \\
 43 \mid 2237 \\
 \underline{215} \\
 87 \\
 \underline{86} \\
 1 \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$2237 \div 47 = 47 \text{ remainder } 28$$

$$\begin{array}{r}
 47 \\
 47 \mid 2237 \\
 \underline{188} \\
 357 \\
 \underline{329} \\
 28 \\
 28 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₃ 2239

$$2239 \div 2 = 1119 \text{ remainder } 1$$

$$\begin{array}{r} 1119 \\ 2 \overline{) 2239} \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2239 \div 3 = 746 \text{ remainder } 1$$

$$\begin{array}{r} 746 \\ 3 \overline{) 2239} \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2239 \div 5 = 447 \text{ remainder } 4$$

$$\begin{array}{r} 447 \\ 5 \overline{) 2239} \\ \underline{20} \\ -- \\ 23 \\ \underline{20} \\ -- \end{array}$$

```

39
35
--
4 ← remainder

```

$$2239 \div 7 = 319 \text{ remainder } 6$$

```

      319
7 | 2239
  21
  --
   13
   7
   -
   69
   63
   --
   6 ← remainder

```

$$2239 \div 11 = 203 \text{ remainder } 6$$

```

      203
11 | 2239
   22
   --
    3
    0
    -
    39
    33
    --
    6 ← remainder

```

$$2239 \div 13 = 172 \text{ remainder } 3$$

```

      172
13 | 2239
   13
   --
   93
   91
   --
   29
   26

```

--
3 ← remainder

$$2239 \div 17 = 131 \text{ remainder } 12$$

131
17 | 2239
17
--
53
51
--
29
17
--
12 ← remainder

$$2239 \div 19 = 117 \text{ remainder } 16$$

117
19 | 2239
19
--
33
19
--
149
133

16 ← remainder

$$2239 \div 23 = 97 \text{ remainder } 8$$

97
23 | 2239
207

169
161

8 ← remainder

$$2239 \div 29 = 77 \text{ remainder } 6$$

$$\begin{array}{r}
 77 \\
 29 \mid 2239 \\
 \underline{203} \\
 --- \\
 209 \\
 \underline{203} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$2239 \div 31 = 72 \text{ remainder } 7$$

$$\begin{array}{r}
 72 \\
 31 \mid 2239 \\
 \underline{217} \\
 --- \\
 69 \\
 \underline{62} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2239 \div 37 = 60 \text{ remainder } 19$$

$$\begin{array}{r}
 60 \\
 37 \mid 2239 \\
 \underline{222} \\
 --- \\
 19 \\
 \underline{0} \\
 - \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$2239 \div 41 = 54 \text{ remainder } 25$$

$$\begin{array}{r}
 54 \\
 41 \mid 2239 \\
 \underline{205} \\
 --- \\
 189 \\
 \underline{164} \\
 --- \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$2239 \div 43 = 52 \text{ remainder } 3$$

$$\begin{array}{r}
 52 \\
 43 \mid 2239 \\
 \underline{215} \\
 89 \\
 \underline{86} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2239 \div 47 = 47 \text{ remainder } 30$$

$$\begin{array}{r}
 47 \\
 47 \mid 2239 \\
 \underline{188} \\
 359 \\
 \underline{329} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₄ 2243

$$2243 \div 2 = 1121 \text{ remainder } 1$$

$$\begin{array}{r} 1121 \\ 2 \mid 2243 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2243 \div 3 = 747 \text{ remainder } 2$$

$$\begin{array}{r} 747 \\ 3 \mid 2243 \\ \underline{21} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2243 \div 5 = 448 \text{ remainder } 3$$

$$\begin{array}{r} 448 \\ 5 \mid 2243 \\ \underline{20} \\ - - \\ 24 \\ \underline{20} \\ - - \end{array}$$

```

43
40
--
3 ← remainder

```

$$2243 \div 7 = 320 \text{ remainder } 3$$

```

    320
7 | 2243
   21
   --
   14
   14
   --
    3
    0
    -
    3 ← remainder

```

$$2243 \div 11 = 203 \text{ remainder } 10$$

```

    203
11 | 2243
   22
   --
    4
    0
    -
    43
    33
    --
    10 ← remainder

```

$$2243 \div 13 = 172 \text{ remainder } 7$$

```

    172
13 | 2243
   13
   --
   94
   91
   --
   33
   26

```

--
7 ← remainder

$$2243 \div 17 = 131 \text{ remainder } 16$$

```
      131
17 | 2243
    17
    --
    54
    51
    --
    33
    17
    --
    16 ← remainder
```

$$2243 \div 19 = 118 \text{ remainder } 1$$

```
      118
19 | 2243
    19
    --
    34
    19
    --
    153
    152
    ---
    1 ← remainder
```

$$2243 \div 23 = 97 \text{ remainder } 12$$

```
      97
23 | 2243
    207
    ---
    173
    161
    ---
    12 ← remainder
```

$$2243 \div 29 = 77 \text{ remainder } 10$$

$$\begin{array}{r}
 77 \\
 29 \mid 2243 \\
 \underline{203} \\
 --- \\
 213 \\
 \underline{203} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2243 \div 31 = 72 \text{ remainder } 11$$

$$\begin{array}{r}
 72 \\
 31 \mid 2243 \\
 \underline{217} \\
 --- \\
 73 \\
 \underline{62} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$2243 \div 37 = 60 \text{ remainder } 23$$

$$\begin{array}{r}
 60 \\
 37 \mid 2243 \\
 \underline{222} \\
 --- \\
 23 \\
 \underline{0} \\
 - \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2243 \div 41 = 54 \text{ remainder } 29$$

$$\begin{array}{r}
 54 \\
 41 \mid 2243 \\
 \underline{205} \\
 --- \\
 193 \\
 \underline{164} \\
 --- \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$2243 \div 43 = 52 \text{ remainder } 7$$

$$\begin{array}{r}
 52 \\
 43 \mid 2243 \\
 \underline{215} \\
 93 \\
 \underline{86} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2243 \div 47 = 47 \text{ remainder } 34$$

$$\begin{array}{r}
 47 \\
 47 \mid 2243 \\
 \underline{188} \\
 363 \\
 \underline{329} \\
 34 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₅ 2251

$$2251 \div 2 = 1125 \text{ remainder } 1$$

$$\begin{array}{r} 1125 \\ 2 \overline{) 2251} \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2251 \div 3 = 750 \text{ remainder } 1$$

$$\begin{array}{r} 750 \\ 3 \overline{) 2251} \\ \underline{21} \\ - - \\ 15 \\ \underline{15} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2251 \div 5 = 450 \text{ remainder } 1$$

$$\begin{array}{r} 450 \\ 5 \overline{) 2251} \\ \underline{20} \\ - - \\ 25 \\ \underline{25} \\ - - \end{array}$$


```

1
0
-
1 ← remainder

```

$$2251 \div 7 = 321 \text{ remainder } 4$$

```

    321
7 | 2251
   21
   --
   15
   14
   --
   11
   7
   -
   4 ← remainder

```

$$2251 \div 11 = 204 \text{ remainder } 7$$

```

    204
11 | 2251
   22
   --
    5
    0
    -
   51
   44
   --
    7 ← remainder

```

$$2251 \div 13 = 173 \text{ remainder } 2$$

```

    173
13 | 2251
   13
   --
   95
   91
   --
   41
   39

```

--
2 ← remainder

$$2251 \div 17 = 132 \text{ remainder } 7$$

132
17 | 2251
17
--
55
51
--
41
34
--
7 ← remainder

$$2251 \div 19 = 118 \text{ remainder } 9$$

118
19 | 2251
19
--
35
19
--
161
152

9 ← remainder

$$2251 \div 23 = 97 \text{ remainder } 20$$

97
23 | 2251
207

181
161

20 ← remainder

$$2251 \div 29 = 77 \text{ remainder } 18$$

$$\begin{array}{r}
 77 \\
 29 \mid 2251 \\
 \underline{203} \\
 --- \\
 221 \\
 \underline{203} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2251 \div 31 = 72 \text{ remainder } 19$$

$$\begin{array}{r}
 72 \\
 31 \mid 2251 \\
 \underline{217} \\
 --- \\
 81 \\
 \underline{62} \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$2251 \div 37 = 60 \text{ remainder } 31$$

$$\begin{array}{r}
 60 \\
 37 \mid 2251 \\
 \underline{222} \\
 --- \\
 31 \\
 \underline{0} \\
 - \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$2251 \div 41 = 54 \text{ remainder } 37$$

$$\begin{array}{r}
 54 \\
 41 \mid 2251 \\
 \underline{205} \\
 --- \\
 201 \\
 \underline{164} \\
 --- \\
 37 \leftarrow \text{remainder}
 \end{array}$$

$$2251 \div 43 = 52 \text{ remainder } 15$$

$$\begin{array}{r}
 52 \\
 43 \mid 2251 \\
 \underline{215} \\
 101 \\
 \underline{86} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$2251 \div 47 = 47 \text{ remainder } 42$$

$$\begin{array}{r}
 47 \\
 47 \mid 2251 \\
 \underline{188} \\
 371 \\
 \underline{329} \\
 42 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₆ 2267

$$2267 \div 2 = 1133 \text{ remainder } 1$$

$$\begin{array}{r} 1133 \\ 2 \mid 2267 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2267 \div 3 = 755 \text{ remainder } 2$$

$$\begin{array}{r} 755 \\ 3 \mid 2267 \\ \underline{21} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2267 \div 5 = 453 \text{ remainder } 2$$

$$\begin{array}{r} 453 \\ 5 \mid 2267 \\ \underline{20} \\ - - \\ 26 \\ \underline{25} \\ - - \end{array}$$

17
 15
 --
 2 ← remainder

$$2267 \div 7 = 323 \text{ remainder } 6$$

323
 7 | 2267
 21
 --
 16
 14
 --
 27
 21
 --
 6 ← remainder

$$2267 \div 11 = 206 \text{ remainder } 1$$

206
 11 | 2267
 22
 --
 6
 0
 -
 67
 66
 --
 1 ← remainder

$$2267 \div 13 = 174 \text{ remainder } 5$$

174
 13 | 2267
 13
 --
 96
 91
 --
 57
 52

--
5 ← remainder

$$2267 \div 17 = 133 \text{ remainder } 6$$

133
17 | 2267
17
--
56
51
--
57
51
--
6 ← remainder

$$2267 \div 19 = 119 \text{ remainder } 6$$

119
19 | 2267
19
--
36
19
--
177
171

6 ← remainder

$$2267 \div 23 = 98 \text{ remainder } 13$$

98
23 | 2267
207

197
184

13 ← remainder

$$2267 \div 29 = 78 \text{ remainder } 5$$

$$\begin{array}{r}
 78 \\
 29 \mid 2267 \\
 203 \\
 \text{---} \\
 237 \\
 232 \\
 \text{---} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2267 \div 31 = 73 \text{ remainder } 4$$

$$\begin{array}{r}
 73 \\
 31 \mid 2267 \\
 217 \\
 \text{---} \\
 97 \\
 93 \\
 \text{---} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2267 \div 37 = 61 \text{ remainder } 10$$

$$\begin{array}{r}
 61 \\
 37 \mid 2267 \\
 222 \\
 \text{---} \\
 47 \\
 37 \\
 \text{---} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2267 \div 41 = 55 \text{ remainder } 12$$

$$\begin{array}{r}
 55 \\
 41 \mid 2267 \\
 205 \\
 \text{---} \\
 217 \\
 205 \\
 \text{---} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2267 \div 43 = 52 \text{ remainder } 31$$

$$\begin{array}{r}
 52 \\
 43 \mid 2267 \\
 \underline{215} \\
 117 \\
 \underline{86} \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$2267 \div 47 = 48 \text{ remainder } 11$$

$$\begin{array}{r}
 48 \\
 47 \mid 2267 \\
 \underline{188} \\
 387 \\
 \underline{376} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₇ 2269

$$2269 \div 2 = 1134 \text{ remainder } 1$$

$$\begin{array}{r} 1134 \\ 2 \mid 2269 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2269 \div 3 = 756 \text{ remainder } 1$$

$$\begin{array}{r} 756 \\ 3 \mid 2269 \\ \underline{21} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2269 \div 5 = 453 \text{ remainder } 4$$

$$\begin{array}{r} 453 \\ 5 \mid 2269 \\ \underline{20} \\ - - \\ 26 \\ \underline{25} \\ - - \end{array}$$

19
 15
 --
 4 ← remainder

$$2269 \div 7 = 324 \text{ remainder } 1$$

324
 7 | 2269
 21
 --
 16
 14
 --
 29
 28
 --
 1 ← remainder

$$2269 \div 11 = 206 \text{ remainder } 3$$

206
 11 | 2269
 22
 --
 6
 0
 -
 69
 66
 --
 3 ← remainder

$$2269 \div 13 = 174 \text{ remainder } 7$$

174
 13 | 2269
 13
 --
 96
 91
 --
 59
 52

--
7 ← remainder

$$2269 \div 17 = 133 \text{ remainder } 8$$

133
17 | 2269
17
--
56
51
--
59
51
--
8 ← remainder

$$2269 \div 19 = 119 \text{ remainder } 8$$

119
19 | 2269
19
--
36
19
--
179
171

8 ← remainder

$$2269 \div 23 = 98 \text{ remainder } 15$$

98
23 | 2269
207

199
184

15 ← remainder

$$2269 \div 29 = 78 \text{ remainder } 7$$

$$\begin{array}{r}
 78 \\
 29 \mid 2269 \\
 \underline{203} \\
 --- \\
 239 \\
 \underline{232} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2269 \div 31 = 73 \text{ remainder } 6$$

$$\begin{array}{r}
 73 \\
 31 \mid 2269 \\
 \underline{217} \\
 --- \\
 99 \\
 \underline{93} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$2269 \div 37 = 61 \text{ remainder } 12$$

$$\begin{array}{r}
 61 \\
 37 \mid 2269 \\
 \underline{222} \\
 --- \\
 49 \\
 \underline{37} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2269 \div 41 = 55 \text{ remainder } 14$$

$$\begin{array}{r}
 55 \\
 41 \mid 2269 \\
 \underline{205} \\
 --- \\
 219 \\
 \underline{205} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$2269 \div 43 = 52 \text{ remainder } 33$$

$$\begin{array}{r}
 52 \\
 43 \mid 2269 \\
 \underline{215} \\
 119 \\
 \underline{86} \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$2269 \div 47 = 48 \text{ remainder } 13$$

$$\begin{array}{r}
 48 \\
 47 \mid 2269 \\
 \underline{188} \\
 389 \\
 \underline{376} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₈ 2273

$$2273 \div 2 = 1136 \text{ remainder } 1$$

$$\begin{array}{r} 1136 \\ 2 \mid 2273 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2273 \div 3 = 757 \text{ remainder } 2$$

$$\begin{array}{r} 757 \\ 3 \mid 2273 \\ \underline{21} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2273 \div 5 = 454 \text{ remainder } 3$$

$$\begin{array}{r} 454 \\ 5 \mid 2273 \\ \underline{20} \\ - - \\ 27 \\ \underline{25} \\ - - \end{array}$$

23
 20
 --
 3 ← remainder

$$2273 \div 7 = 324 \text{ remainder } 5$$

324
 7 | 2273
 21
 --
 17
 14
 --
 33
 28
 --
 5 ← remainder

$$2273 \div 11 = 206 \text{ remainder } 7$$

206
 11 | 2273
 22
 --
 7
 0
 -
 73
 66
 --
 7 ← remainder

$$2273 \div 13 = 174 \text{ remainder } 11$$

174
 13 | 2273
 13
 --
 97
 91
 --
 63
 52

--
11 ← remainder

$$2273 \div 17 = 133 \text{ remainder } 12$$

133
17 | 2273
17
--
57
51
--
63
51
--
12 ← remainder

$$2273 \div 19 = 119 \text{ remainder } 12$$

119
19 | 2273
19
--
37
19
--
183
171

12 ← remainder

$$2273 \div 23 = 98 \text{ remainder } 19$$

98
23 | 2273
207

203
184

19 ← remainder

$$2273 \div 29 = 78 \text{ remainder } 11$$

$$\begin{array}{r}
 78 \\
 29 \mid 2273 \\
 203 \\
 \text{---} \\
 243 \\
 232 \\
 \text{---} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$2273 \div 31 = 73 \text{ remainder } 10$$

$$\begin{array}{r}
 73 \\
 31 \mid 2273 \\
 217 \\
 \text{---} \\
 103 \\
 93 \\
 \text{---} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2273 \div 37 = 61 \text{ remainder } 16$$

$$\begin{array}{r}
 61 \\
 37 \mid 2273 \\
 222 \\
 \text{---} \\
 53 \\
 37 \\
 \text{---} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$2273 \div 41 = 55 \text{ remainder } 18$$

$$\begin{array}{r}
 55 \\
 41 \mid 2273 \\
 205 \\
 \text{---} \\
 223 \\
 205 \\
 \text{---} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2273 \div 43 = 52 \text{ remainder } 37$$

$$\begin{array}{r}
 52 \\
 43 \mid 2273 \\
 \underline{215} \\
 123 \\
 \underline{86} \\
 37 \leftarrow \text{remainder}
 \end{array}$$

$$2273 \div 47 = 48 \text{ remainder } 17$$

$$\begin{array}{r}
 48 \\
 47 \mid 2273 \\
 \underline{188} \\
 393 \\
 \underline{376} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

P₃₃₉ 2281

$$2281 \div 2 = 1140 \text{ remainder } 1$$

$$\begin{array}{r} 1140 \\ 2 \mid 2281 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2281 \div 3 = 760 \text{ remainder } 1$$

$$\begin{array}{r} 760 \\ 3 \mid 2281 \\ \underline{21} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2281 \div 5 = 456 \text{ remainder } 1$$

$$\begin{array}{r} 456 \\ 5 \mid 2281 \\ \underline{20} \\ - - \\ 28 \\ \underline{25} \\ - - \end{array}$$

```

31
30
--
1 ← remainder

```

$$2281 \div 7 = 325 \text{ remainder } 6$$

```

      325
7 | 2281
   21
   --
   18
   14
   --
   41
   35
   --
   6 ← remainder

```

$$2281 \div 11 = 207 \text{ remainder } 4$$

```

      207
11 | 2281
   22
   --
    8
    0
    -
    81
    77
    --
    4 ← remainder

```

$$2281 \div 13 = 175 \text{ remainder } 6$$

```

      175
13 | 2281
   13
   --
   98
   91
   --
   71
   65

```

--
6 ← remainder

$$2281 \div 17 = 134 \text{ remainder } 3$$

134
17 | 2281
17
--
58
51
--
71
68
--
3 ← remainder

$$2281 \div 19 = 120 \text{ remainder } 1$$

120
19 | 2281
19
--
38
38
--
1
0
-
1 ← remainder

$$2281 \div 23 = 99 \text{ remainder } 4$$

99
23 | 2281
207

211
207

4 ← remainder

$$2281 \div 29 = 78 \text{ remainder } 19$$

```

      78
29 | 2281
    203
    ---
    251
    232
    ---
    19 ← remainder

```

$2281 \div 31 = 73$ remainder 18

```

      73
31 | 2281
    217
    ---
    111
    93
    --
    18 ← remainder

```

$2281 \div 37 = 61$ remainder 24

```

      61
37 | 2281
    222
    ---
     61
     37
     --
     24 ← remainder

```

$2281 \div 41 = 55$ remainder 26

```

      55
41 | 2281
    205
    ---
    231
    205
    ---
    26 ← remainder

```

$2281 \div 43 = 53$ remainder 2

$$\begin{array}{r}
 53 \\
 43 \mid 2281 \\
 \underline{215} \\
 131 \\
 \underline{129} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2281 \div 47 = 48 \text{ remainder } 25$$

$$\begin{array}{r}
 48 \\
 47 \mid 2281 \\
 \underline{188} \\
 401 \\
 \underline{376} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

P₃₄₀ 2287

$$2287 \div 2 = 1143 \text{ remainder } 1$$

$$\begin{array}{r} 1143 \\ 2 \overline{) 2287} \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2287 \div 3 = 762 \text{ remainder } 1$$

$$\begin{array}{r} 762 \\ 3 \overline{) 2287} \\ \underline{21} \\ -- \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2287 \div 5 = 457 \text{ remainder } 2$$

$$\begin{array}{r} 457 \\ 5 \overline{) 2287} \\ \underline{20} \\ -- \\ 28 \\ \underline{25} \\ -- \end{array}$$

```

37
35
--
2 ← remainder

```

$$2287 \div 7 = 326 \text{ remainder } 5$$

```

      326
7 | 2287
  21
  --
   18
   14
   --
   47
   42
   --
    5 ← remainder

```

$$2287 \div 11 = 207 \text{ remainder } 10$$

```

      207
11 | 2287
   22
   --
    8
    0
    -
    87
    77
    --
    10 ← remainder

```

$$2287 \div 13 = 175 \text{ remainder } 12$$

```

      175
13 | 2287
   13
   --
   98
   91
   --
   77
   65

```

--
 12 ← remainder

$$2287 \div 17 = 134 \text{ remainder } 9$$

134
 17 | 2287
 17
 --
 58
 51
 --
 77
 68
 --
 9 ← remainder

$$2287 \div 19 = 120 \text{ remainder } 7$$

120
 19 | 2287
 19
 --
 38
 38
 --
 7
 0
 -
 7 ← remainder

$$2287 \div 23 = 99 \text{ remainder } 10$$

99
 23 | 2287
 207

 217
 207

 10 ← remainder

$$2287 \div 29 = 78 \text{ remainder } 25$$

$$\begin{array}{r}
 78 \\
 29 \mid 2287 \\
 203 \\
 \text{---} \\
 257 \\
 232 \\
 \text{---} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$2287 \div 31 = 73 \text{ remainder } 24$$

$$\begin{array}{r}
 73 \\
 31 \mid 2287 \\
 217 \\
 \text{---} \\
 117 \\
 93 \\
 \text{---} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$2287 \div 37 = 61 \text{ remainder } 30$$

$$\begin{array}{r}
 61 \\
 37 \mid 2287 \\
 222 \\
 \text{---} \\
 67 \\
 37 \\
 \text{---} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$2287 \div 41 = 55 \text{ remainder } 32$$

$$\begin{array}{r}
 55 \\
 41 \mid 2287 \\
 205 \\
 \text{---} \\
 237 \\
 205 \\
 \text{---} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$2287 \div 43 = 53 \text{ remainder } 8$$

$$\begin{array}{r}
 53 \\
 43 \mid 2287 \\
 \underline{215} \\
 137 \\
 \underline{129} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$2287 \div 47 = 48 \text{ remainder } 31$$

$$\begin{array}{r}
 48 \\
 47 \mid 2287 \\
 \underline{188} \\
 407 \\
 \underline{376} \\
 31 \leftarrow \text{remainder}
 \end{array}$$

P₃₄₁ 2293

$$2293 \div 2 = 1146 \text{ remainder } 1$$

$$\begin{array}{r} 1146 \\ 2 \mid 2293 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2293 \div 3 = 764 \text{ remainder } 1$$

$$\begin{array}{r} 764 \\ 3 \mid 2293 \\ \underline{21} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2293 \div 5 = 458 \text{ remainder } 3$$

$$\begin{array}{r} 458 \\ 5 \mid 2293 \\ \underline{20} \\ - - \\ 29 \\ \underline{25} \\ - - \end{array}$$

```

43
40
--
3 ← remainder

```

$$2293 \div 7 = 327 \text{ remainder } 4$$

```

      327
7 | 2293
  21
  --
   19
   14
   --
   53
   49
   --
   4 ← remainder

```

$$2293 \div 11 = 208 \text{ remainder } 5$$

```

      208
11 | 2293
   22
   --
    9
    0
    -
   93
   88
   --
    5 ← remainder

```

$$2293 \div 13 = 176 \text{ remainder } 5$$

```

      176
13 | 2293
   13
   --
   99
   91
   --
   83
   78

```

--
5 ← remainder

$$2293 \div 17 = 134 \text{ remainder } 15$$

134
17 | 2293
17
--
59
51
--
83
68
--
15 ← remainder

$$2293 \div 19 = 120 \text{ remainder } 13$$

120
19 | 2293
19
--
39
38
--
13
0
-
13 ← remainder

$$2293 \div 23 = 99 \text{ remainder } 16$$

99
23 | 2293
207

223
207

16 ← remainder

$$2293 \div 29 = 79 \text{ remainder } 2$$

$$\begin{array}{r}
 79 \\
 29 \mid 2293 \\
 203 \\
 \text{---} \\
 263 \\
 261 \\
 \text{---} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2293 \div 31 = 73 \text{ remainder } 30$$

$$\begin{array}{r}
 73 \\
 31 \mid 2293 \\
 217 \\
 \text{---} \\
 123 \\
 93 \\
 \text{---} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$2293 \div 37 = 61 \text{ remainder } 36$$

$$\begin{array}{r}
 61 \\
 37 \mid 2293 \\
 222 \\
 \text{---} \\
 73 \\
 37 \\
 \text{---} \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$2293 \div 41 = 55 \text{ remainder } 38$$

$$\begin{array}{r}
 55 \\
 41 \mid 2293 \\
 205 \\
 \text{---} \\
 243 \\
 205 \\
 \text{---} \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$2293 \div 43 = 53 \text{ remainder } 14$$

$$\begin{array}{r}
 53 \\
 43 \mid 2293 \\
 \underline{215} \\
 --- \\
 143 \\
 \underline{129} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$2293 \div 47 = 48 \text{ remainder } 37$$

$$\begin{array}{r}
 48 \\
 47 \mid 2293 \\
 \underline{188} \\
 --- \\
 413 \\
 \underline{376} \\
 --- \\
 37 \leftarrow \text{remainder}
 \end{array}$$

P₃₄₂ 2297

$$2297 \div 2 = 1148 \text{ remainder } 1$$

$$\begin{array}{r} 1148 \\ 2 \mid 2297 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2297 \div 3 = 765 \text{ remainder } 2$$

$$\begin{array}{r} 765 \\ 3 \mid 2297 \\ \underline{21} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2297 \div 5 = 459 \text{ remainder } 2$$

$$\begin{array}{r} 459 \\ 5 \mid 2297 \\ \underline{20} \\ -- \\ 29 \\ \underline{25} \\ -- \end{array}$$

47
 45
 --
 2 ← remainder

$$2297 \div 7 = 328 \text{ remainder } 1$$

328
 7 | 2297
 21
 --
 19
 14
 --
 57
 56
 --
 1 ← remainder

$$2297 \div 11 = 208 \text{ remainder } 9$$

208
 11 | 2297
 22
 --
 9
 0
 -
 97
 88
 --
 9 ← remainder

$$2297 \div 13 = 176 \text{ remainder } 9$$

176
 13 | 2297
 13
 --
 99
 91
 --
 87
 78

--
9 ← remainder

$$2297 \div 17 = 135 \text{ remainder } 2$$

135
17 | 2297
17
--
59
51
--
87
85
--
2 ← remainder

$$2297 \div 19 = 120 \text{ remainder } 17$$

120
19 | 2297
19
--
39
38
--
17
0
-
17 ← remainder

$$2297 \div 23 = 99 \text{ remainder } 20$$

99
23 | 2297
207

227
207

20 ← remainder

$$2297 \div 29 = 79 \text{ remainder } 6$$

$$\begin{array}{r}
 79 \\
 29 \mid 2297 \\
 203 \\
 --- \\
 267 \\
 261 \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$2297 \div 31 = 74 \text{ remainder } 3$$

$$\begin{array}{r}
 74 \\
 31 \mid 2297 \\
 217 \\
 --- \\
 127 \\
 124 \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2297 \div 37 = 62 \text{ remainder } 3$$

$$\begin{array}{r}
 62 \\
 37 \mid 2297 \\
 222 \\
 --- \\
 77 \\
 74 \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2297 \div 41 = 56 \text{ remainder } 1$$

$$\begin{array}{r}
 56 \\
 41 \mid 2297 \\
 205 \\
 --- \\
 247 \\
 246 \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$2297 \div 43 = 53 \text{ remainder } 18$$

$$\begin{array}{r}
 53 \\
 43 \mid 2297 \\
 \underline{215} \\
 147 \\
 \underline{129} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2297 \div 47 = 48 \text{ remainder } 41$$

$$\begin{array}{r}
 48 \\
 47 \mid 2297 \\
 \underline{188} \\
 417 \\
 \underline{376} \\
 41 \leftarrow \text{remainder}
 \end{array}$$

P₃₄₃ 2309

$$2309 \div 2 = 1154 \text{ remainder } 1$$

$$\begin{array}{r} 1154 \\ 2 \mid 2309 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 3 = 769 \text{ remainder } 2$$

$$\begin{array}{r} 769 \\ 3 \mid 2309 \\ \underline{21} \\ - - \\ 20 \\ \underline{18} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 5 = 461 \text{ remainder } 4$$

$$\begin{array}{r} 461 \\ 5 \mid 2309 \\ \underline{20} \\ - - \\ 30 \\ \underline{30} \\ - - \end{array}$$


```

  9
  5
  -
  4 ← remainder

```

$$2309 \div 7 = 329 \text{ remainder } 6$$

```

    329
7 | 2309
  21
  --
   20
   14
   --
   69
   63
   --
   6 ← remainder

```

$$2309 \div 11 = 209 \text{ remainder } 10$$

```

    209
11 | 2309
   22
   --
   10
   0
   -
  109
   99
   --
  10 ← remainder

```

$$2309 \div 13 = 177 \text{ remainder } 8$$

```

    177
13 | 2309
   13
   --
   100
   91
   --
   99
   91

```

--
8 ← remainder

$$2309 \div 17 = 135 \text{ remainder } 14$$

```
      135
17 | 2309
    17
    --
    60
    51
    --
    99
    85
    --
    14 ← remainder
```

$$2309 \div 19 = 121 \text{ remainder } 10$$

```
      121
19 | 2309
    19
    --
    40
    38
    --
    29
    19
    --
    10 ← remainder
```

$$2309 \div 23 = 100 \text{ remainder } 9$$

```
      100
23 | 2309
    23
    --
    0
    0
    -
    9
    0
    -
    9 ← remainder
```

$$2309 \div 29 = 79 \text{ remainder } 18$$

$$\begin{array}{r} 79 \\ 29 \overline{) 2309} \\ \underline{203} \\ 279 \\ \underline{261} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 31 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 31 \overline{) 2309} \\ \underline{217} \\ 139 \\ \underline{124} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 37 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 37 \overline{) 2309} \\ \underline{222} \\ 89 \\ \underline{74} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 41 = 56 \text{ remainder } 13$$

$$\begin{array}{r} 56 \\ 41 \overline{) 2309} \\ \underline{205} \\ 259 \\ \underline{246} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 43 = 53 \text{ remainder } 30$$

$$\begin{array}{r} 53 \\ 43 \overline{) 2309} \\ \underline{215} \\ 159 \\ \underline{129} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2309 \div 47 = 49 \text{ remainder } 6$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2309} \\ \underline{188} \\ 429 \\ \underline{423} \\ 6 \leftarrow \text{remainder} \end{array}$$

P₃₄₄ 2311

$$2311 \div 2 = 1155 \text{ remainder } 1$$

$$\begin{array}{r} 1155 \\ 2 \mid 2311 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 3 = 770 \text{ remainder } 1$$

$$\begin{array}{r} 770 \\ 3 \mid 2311 \\ \underline{21} \\ - \\ 21 \\ \underline{21} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 5 = 462 \text{ remainder } 1$$

$$\begin{array}{r} 462 \\ 5 \mid 2311 \\ \underline{20} \\ - \\ 31 \\ \underline{30} \\ - \end{array}$$

```

11
10
--
1 ← remainder

```

$$2311 \div 7 = 330 \text{ remainder } 1$$

```

      330
7 | 2311
   21
   --
   21
   21
   --
   1
   0
   -
   1 ← remainder

```

$$2311 \div 11 = 210 \text{ remainder } 1$$

```

      210
11 | 2311
   22
   --
   11
   11
   --
   1
   0
   -
   1 ← remainder

```

$$2311 \div 13 = 177 \text{ remainder } 10$$

```

      177
13 | 2311
   13
   --
   101
   91
   --
   101
   91

```

--
10 ← remainder

$$2311 \div 17 = 135 \text{ remainder } 16$$

135
17 | 2311
17
--
61
51
--
101
85
--
16 ← remainder

$$2311 \div 19 = 121 \text{ remainder } 12$$

121
19 | 2311
19
--
41
38
--
31
19
--
12 ← remainder

$$2311 \div 23 = 100 \text{ remainder } 11$$

100
23 | 2311
23
--
1
0
-
11
0
-
11 ← remainder

$$2311 \div 29 = 79 \text{ remainder } 20$$

$$\begin{array}{r} 79 \\ 29 \overline{) 2311} \\ \underline{203} \\ 281 \\ \underline{261} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 31 = 74 \text{ remainder } 17$$

$$\begin{array}{r} 74 \\ 31 \overline{) 2311} \\ \underline{217} \\ 141 \\ \underline{124} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 37 = 62 \text{ remainder } 17$$

$$\begin{array}{r} 62 \\ 37 \overline{) 2311} \\ \underline{222} \\ 91 \\ \underline{74} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 41 = 56 \text{ remainder } 15$$

$$\begin{array}{r} 56 \\ 41 \overline{) 2311} \\ \underline{205} \\ 261 \\ \underline{246} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 43 = 53 \text{ remainder } 32$$

$$\begin{array}{r} 53 \\ 43 \overline{) 2311} \\ \underline{215} \\ 161 \\ \underline{129} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$2311 \div 47 = 49 \text{ remainder } 8$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2311} \\ \underline{188} \\ 431 \\ \underline{423} \\ 8 \leftarrow \text{remainder} \end{array}$$

P₃₄₅ 2333

$$2333 \div 2 = 1166 \text{ remainder } 1$$

$$\begin{array}{r} 1166 \\ 2 \overline{) 2333} \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2333 \div 3 = 777 \text{ remainder } 2$$

$$\begin{array}{r} 777 \\ 3 \overline{) 2333} \\ \underline{21} \\ - \\ 23 \\ \underline{21} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2333 \div 5 = 466 \text{ remainder } 3$$

$$\begin{array}{r} 466 \\ 5 \overline{) 2333} \\ \underline{20} \\ - \\ 33 \\ \underline{30} \\ - \end{array}$$

```

33
30
--
3 ← remainder

```

$$2333 \div 7 = 333 \text{ remainder } 2$$

```

333
7 | 2333
  21
  --
  23
  21
  --
  23
  21
  --
  2 ← remainder

```

$$2333 \div 11 = 212 \text{ remainder } 1$$

```

212
11 | 2333
   22
   --
   13
   11
   --
   23
   22
   --
   1 ← remainder

```

$$2333 \div 13 = 179 \text{ remainder } 6$$

```

179
13 | 2333
   13
   --
  103
   91
   --
  123
  117

```

6 ← remainder

$$2333 \div 17 = 137 \text{ remainder } 4$$

```
      137
17 | 2333
    17
    --
     63
     51
     --
     123
     119
     ---
      4 ← remainder
```

$$2333 \div 19 = 122 \text{ remainder } 15$$

```
      122
19 | 2333
    19
    --
     43
     38
     --
     53
     38
     --
     15 ← remainder
```

$$2333 \div 23 = 101 \text{ remainder } 10$$

```
      101
23 | 2333
    23
    --
     3
     0
     -
     33
     23
     --
     10 ← remainder
```

$$2333 \div 29 = 80 \text{ remainder } 13$$

$$\begin{array}{r} 80 \\ 29 \mid 2333 \\ \underline{232} \\ --- \\ 13 \\ 0 \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2333 \div 31 = 75 \text{ remainder } 8$$

$$\begin{array}{r} 75 \\ 31 \mid 2333 \\ \underline{217} \\ --- \\ 163 \\ \underline{155} \\ --- \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2333 \div 37 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 37 \mid 2333 \\ \underline{222} \\ --- \\ 113 \\ \underline{111} \\ --- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2333 \div 41 = 56 \text{ remainder } 37$$

$$\begin{array}{r} 56 \\ 41 \mid 2333 \\ \underline{205} \\ --- \\ 283 \\ \underline{246} \\ --- \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2333 \div 43 = 54 \text{ remainder } 11$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2333} \\ \underline{215} \\ 183 \\ \underline{172} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2333 \div 47 = 49 \text{ remainder } 30$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2333} \\ \underline{188} \\ 453 \\ \underline{423} \\ 30 \leftarrow \text{remainder} \end{array}$$

P₃₄₆ 2339

$$2339 \div 2 = 1169 \text{ remainder } 1$$

$$\begin{array}{r} 1169 \\ 2 \mid 2339 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2339 \div 3 = 779 \text{ remainder } 2$$

$$\begin{array}{r} 779 \\ 3 \mid 2339 \\ \underline{21} \\ - \\ 23 \\ \underline{21} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2339 \div 5 = 467 \text{ remainder } 4$$

$$\begin{array}{r} 467 \\ 5 \mid 2339 \\ \underline{20} \\ - \\ 33 \\ \underline{30} \\ - \end{array}$$

```

39
35
--
4 ← remainder

```

$$2339 \div 7 = 334 \text{ remainder } 1$$

```

      334
7 | 2339
  21
  --
   23
  21
  --
   29
  28
  --
   1 ← remainder

```

$$2339 \div 11 = 212 \text{ remainder } 7$$

```

      212
11 | 2339
   22
   --
    13
    11
    --
    29
    22
    --
     7 ← remainder

```

$$2339 \div 13 = 179 \text{ remainder } 12$$

```

      179
13 | 2339
   13
   --
   103
   91
   --
   129
  117

```

12 ← remainder

$$2339 \div 17 = 137 \text{ remainder } 10$$

$$\begin{array}{r} 137 \\ 17 \overline{) 2339} \\ \underline{17} \end{array}$$

--

63

51

--

129

119

10 ← remainder

$$2339 \div 19 = 123 \text{ remainder } 2$$

$$\begin{array}{r} 123 \\ 19 \overline{) 2339} \\ \underline{19} \end{array}$$

--

43

38

--

59

57

--

2 ← remainder

$$2339 \div 23 = 101 \text{ remainder } 16$$

$$\begin{array}{r} 101 \\ 23 \overline{) 2339} \\ \underline{23} \end{array}$$

--

3

0

-

39

23

--

16 ← remainder

$$2339 \div 29 = 80 \text{ remainder } 19$$

$$\begin{array}{r}
 80 \\
 29 \mid 2339 \\
 \underline{232} \\
 19 \\
 0 \\
 - \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$2339 \div 31 = 75 \text{ remainder } 14$$

$$\begin{array}{r}
 75 \\
 31 \mid 2339 \\
 \underline{217} \\
 169 \\
 \underline{155} \\
 14 \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$2339 \div 37 = 63 \text{ remainder } 8$$

$$\begin{array}{r}
 63 \\
 37 \mid 2339 \\
 \underline{222} \\
 119 \\
 \underline{111} \\
 8 \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$2339 \div 41 = 57 \text{ remainder } 2$$

$$\begin{array}{r}
 57 \\
 41 \mid 2339 \\
 \underline{205} \\
 289 \\
 \underline{287} \\
 2 \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2339 \div 43 = 54 \text{ remainder } 17$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2339} \\ \underline{215} \\ 189 \\ \underline{172} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2339 \div 47 = 49 \text{ remainder } 36$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2339} \\ \underline{188} \\ 459 \\ \underline{423} \\ 36 \leftarrow \text{remainder} \end{array}$$

P₃₄₇ 2341

$$2341 \div 2 = 1170 \text{ remainder } 1$$

$$\begin{array}{r} 1170 \\ 2 \mid 2341 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 3 = 780 \text{ remainder } 1$$

$$\begin{array}{r} 780 \\ 3 \mid 2341 \\ \underline{21} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 5 = 468 \text{ remainder } 1$$

$$\begin{array}{r} 468 \\ 5 \mid 2341 \\ \underline{20} \\ - - \\ 34 \\ \underline{30} \\ - - \end{array}$$

```

41
40
--
1 ← remainder

```

$$2341 \div 7 = 334 \text{ remainder } 3$$

```

      334
7 | 2341
  21
  --
   24
  21
  --
   31
  28
  --
   3 ← remainder

```

$$2341 \div 11 = 212 \text{ remainder } 9$$

```

      212
11 | 2341
   22
   --
   14
   11
   --
   31
   22
   --
   9 ← remainder

```

$$2341 \div 13 = 180 \text{ remainder } 1$$

```

      180
13 | 2341
   13
   --
  104
  104
  ---
    1
    0

```

-
1 ← remainder

$$2341 \div 17 = 137 \text{ remainder } 12$$

```
      137
17 | 2341
    17
    --
    64
    51
    --
    131
    119
    ---
    12 ← remainder
```

$$2341 \div 19 = 123 \text{ remainder } 4$$

```
      123
19 | 2341
    19
    --
    44
    38
    --
    61
    57
    --
    4 ← remainder
```

$$2341 \div 23 = 101 \text{ remainder } 18$$

```
      101
23 | 2341
    23
    --
     4
     0
     -
    41
    23
    --
    18 ← remainder
```

$$2341 \div 29 = 80 \text{ remainder } 21$$

$$\begin{array}{r} 80 \\ 29 \overline{) 2341} \\ \underline{232} \\ 21 \\ 0 \\ - \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 31 = 75 \text{ remainder } 16$$

$$\begin{array}{r} 75 \\ 31 \overline{) 2341} \\ \underline{217} \\ 171 \\ \underline{155} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 37 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 37 \overline{) 2341} \\ \underline{222} \\ 121 \\ \underline{111} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 41 = 57 \text{ remainder } 4$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2341} \\ \underline{205} \\ 291 \\ \underline{287} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 43 = 54 \text{ remainder } 19$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2341} \\ \underline{215} \\ 191 \\ \underline{172} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2341 \div 47 = 49 \text{ remainder } 38$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2341} \\ \underline{188} \\ 461 \\ \underline{423} \\ 38 \leftarrow \text{remainder} \end{array}$$

P₃₄₈ 2347

$$2347 \div 2 = 1173 \text{ remainder } 1$$

$$\begin{array}{r} 1173 \\ 2 \mid 2347 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 3 = 782 \text{ remainder } 1$$

$$\begin{array}{r} 782 \\ 3 \mid 2347 \\ \underline{21} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 5 = 469 \text{ remainder } 2$$

$$\begin{array}{r} 469 \\ 5 \mid 2347 \\ \underline{20} \\ - - \\ 34 \\ \underline{30} \\ - - \end{array}$$

```

47
45
--
2 ← remainder

```

$$2347 \div 7 = 335 \text{ remainder } 2$$

```

      335
7 | 2347
  21
  --
   24
  21
  --
   37
  35
  --
   2 ← remainder

```

$$2347 \div 11 = 213 \text{ remainder } 4$$

```

      213
11 | 2347
   22
   --
    14
    11
    --
     37
     33
     --
      4 ← remainder

```

$$2347 \div 13 = 180 \text{ remainder } 7$$

```

      180
13 | 2347
   13
   --
   104
   104
   ---
     7
     0

```

-
7 ← remainder

$$2347 \div 17 = 138 \text{ remainder } 1$$

```
      138
17 | 2347
    17
    --
    64
    51
    --
    137
    136
    ---
    1 ← remainder
```

$$2347 \div 19 = 123 \text{ remainder } 10$$

```
      123
19 | 2347
    19
    --
    44
    38
    --
    67
    57
    --
    10 ← remainder
```

$$2347 \div 23 = 102 \text{ remainder } 1$$

```
      102
23 | 2347
    23
    --
    4
    0
    -
    47
    46
    --
    1 ← remainder
```

$$2347 \div 29 = 80 \text{ remainder } 27$$

$$\begin{array}{r} 80 \\ 29 \mid 2347 \\ \underline{232} \\ 27 \\ 0 \\ - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 31 = 75 \text{ remainder } 22$$

$$\begin{array}{r} 75 \\ 31 \mid 2347 \\ \underline{217} \\ 177 \\ \underline{155} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 37 = 63 \text{ remainder } 16$$

$$\begin{array}{r} 63 \\ 37 \mid 2347 \\ \underline{222} \\ 127 \\ \underline{111} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 41 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 41 \mid 2347 \\ \underline{205} \\ 297 \\ \underline{287} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 43 = 54 \text{ remainder } 25$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2347} \\ \underline{215} \\ 197 \\ \underline{172} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2347 \div 47 = 49 \text{ remainder } 44$$

$$\begin{array}{r} 49 \\ 47 \overline{) 2347} \\ \underline{188} \\ 467 \\ \underline{423} \\ 44 \leftarrow \text{remainder} \end{array}$$

P₃₄₉ 2351

$$2351 \div 2 = 1175 \text{ remainder } 1$$

$$\begin{array}{r} 1175 \\ 2 \mid 2351 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 3 = 783 \text{ remainder } 2$$

$$\begin{array}{r} 783 \\ 3 \mid 2351 \\ \underline{21} \\ - \\ 25 \\ \underline{24} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 5 = 470 \text{ remainder } 1$$

$$\begin{array}{r} 470 \\ 5 \mid 2351 \\ \underline{20} \\ - \\ 35 \\ \underline{35} \\ - \end{array}$$

```

1
0
-
1 ← remainder

```

$$2351 \div 7 = 335 \text{ remainder } 6$$

```

      335
7 | 2351
   21
   --
   25
   21
   --
   41
   35
   --
   6 ← remainder

```

$$2351 \div 11 = 213 \text{ remainder } 8$$

```

      213
11 | 2351
   22
   --
   15
   11
   --
   41
   33
   --
   8 ← remainder

```

$$2351 \div 13 = 180 \text{ remainder } 11$$

```

      180
13 | 2351
   13
   --
   105
   104
   ---
    11
    0

```

-
11 ← remainder

$$2351 \div 17 = 138 \text{ remainder } 5$$

```
      138
17 | 2351
    17
    --
    65
    51
    --
    141
    136
    ---
     5 ← remainder
```

$$2351 \div 19 = 123 \text{ remainder } 14$$

```
      123
19 | 2351
    19
    --
    45
    38
    --
    71
    57
    --
    14 ← remainder
```

$$2351 \div 23 = 102 \text{ remainder } 5$$

```
      102
23 | 2351
    23
    --
     5
     0
     -
    51
    46
    --
     5 ← remainder
```


$$2351 \div 29 = 81 \text{ remainder } 2$$

$$\begin{array}{r} 81 \\ 29 \overline{) 2351} \\ \underline{232} \\ 31 \\ \underline{29} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 31 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 31 \overline{) 2351} \\ \underline{217} \\ 181 \\ \underline{155} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 37 = 63 \text{ remainder } 20$$

$$\begin{array}{r} 63 \\ 37 \overline{) 2351} \\ \underline{222} \\ 131 \\ \underline{111} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 41 = 57 \text{ remainder } 14$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2351} \\ \underline{205} \\ 301 \\ \underline{287} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 43 = 54 \text{ remainder } 29$$

$$\begin{array}{r} 54 \\ 43 \mid 2351 \\ \underline{215} \\ 201 \\ \underline{172} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2351 \div 47 = 50 \text{ remainder } 1$$

$$\begin{array}{r} 50 \\ 47 \mid 2351 \\ \underline{235} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

P₃₅₀ 2357

$$2357 \div 2 = 1178 \text{ remainder } 1$$

$$\begin{array}{r} 1178 \\ 2 \mid 2357 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2357 \div 3 = 785 \text{ remainder } 2$$

$$\begin{array}{r} 785 \\ 3 \mid 2357 \\ \underline{21} \\ - \\ 25 \\ \underline{24} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2357 \div 5 = 471 \text{ remainder } 2$$

$$\begin{array}{r} 471 \\ 5 \mid 2357 \\ \underline{20} \\ - \\ 35 \\ \underline{35} \\ - \end{array}$$

```

7
5
-
2 ← remainder

```

$$2357 \div 7 = 336 \text{ remainder } 5$$

```

      336
7 | 2357
  21
  --
   25
  21
  --
   47
  42
  --
    5 ← remainder

```

$$2357 \div 11 = 214 \text{ remainder } 3$$

```

      214
11 | 2357
   22
   --
    15
    11
    --
     47
     44
     --
      3 ← remainder

```

$$2357 \div 13 = 181 \text{ remainder } 4$$

```

      181
13 | 2357
   13
   --
   105
   104
   ---
    17
    13

```

--
4 ← remainder

$$2357 \div 17 = 138 \text{ remainder } 11$$

```
      138
17 | 2357
    17
    --
    65
    51
    --
    147
    136
    ---
    11 ← remainder
```

$$2357 \div 19 = 124 \text{ remainder } 1$$

```
      124
19 | 2357
    19
    --
    45
    38
    --
    77
    76
    --
    1 ← remainder
```

$$2357 \div 23 = 102 \text{ remainder } 11$$

```
      102
23 | 2357
    23
    --
     5
     0
     -
    57
    46
    --
    11 ← remainder
```

$$2357 \div 29 = 81 \text{ remainder } 8$$

$$\begin{array}{r} 81 \\ 29 \overline{) 2357} \\ \underline{232} \\ 37 \\ \underline{29} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 31 = 76 \text{ remainder } 1$$

$$\begin{array}{r} 76 \\ 31 \overline{) 2357} \\ \underline{217} \\ 187 \\ \underline{186} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 37 = 63 \text{ remainder } 26$$

$$\begin{array}{r} 63 \\ 37 \overline{) 2357} \\ \underline{222} \\ 137 \\ \underline{111} \\ 26 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 41 = 57 \text{ remainder } 20$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2357} \\ \underline{205} \\ 307 \\ \underline{287} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2357 \div 43 = 54 \text{ remainder } 35$$

$$\begin{array}{r} 54 \\ 43 \overline{) 2357} \\ \underline{215} \\ 207 \\ \underline{172} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$2357 \div 47 = 50 \text{ remainder } 7$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2357} \\ \underline{235} \\ 7 \\ \underline{0} \\ 7 \leftarrow \text{remainder} \end{array}$$

P₃₅₁ 2371

$$2371 \div 2 = 1185 \text{ remainder } 1$$

$$\begin{array}{r} 1185 \\ 2 \mid 2371 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2371 \div 3 = 790 \text{ remainder } 1$$

$$\begin{array}{r} 790 \\ 3 \mid 2371 \\ \underline{21} \\ - \\ 27 \\ \underline{27} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2371 \div 5 = 474 \text{ remainder } 1$$

$$\begin{array}{r} 474 \\ 5 \mid 2371 \\ \underline{20} \\ - \\ 37 \\ \underline{35} \\ - \end{array}$$


```

21
20
--
1 ← remainder

```

$$2371 \div 7 = 338 \text{ remainder } 5$$

```

      338
7 | 2371
   21
   --
   27
   21
   --
   61
   56
   --
   5 ← remainder

```

$$2371 \div 11 = 215 \text{ remainder } 6$$

```

      215
11 | 2371
   22
   --
   17
   11
   --
   61
   55
   --
   6 ← remainder

```

$$2371 \div 13 = 182 \text{ remainder } 5$$

```

      182
13 | 2371
   13
   --
   107
   104
   ---
   31
   26

```

--
5 ← remainder

$$2371 \div 17 = 139 \text{ remainder } 8$$

139
17 | 2371
17
--
67
51
--
161
153

8 ← remainder

$$2371 \div 19 = 124 \text{ remainder } 15$$

124
19 | 2371
19
--
47
38
--
91
76
--
15 ← remainder

$$2371 \div 23 = 103 \text{ remainder } 2$$

103
23 | 2371
23
--
7
0
-
71
69
--
2 ← remainder

$$2371 \div 29 = 81 \text{ remainder } 22$$

$$\begin{array}{r} 81 \\ 29 \overline{) 2371} \\ \underline{232} \\ 51 \\ \underline{29} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 31 = 76 \text{ remainder } 15$$

$$\begin{array}{r} 76 \\ 31 \overline{) 2371} \\ \underline{217} \\ 201 \\ \underline{186} \\ 15 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 37 = 64 \text{ remainder } 3$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2371} \\ \underline{222} \\ 151 \\ \underline{148} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 41 = 57 \text{ remainder } 34$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2371} \\ \underline{205} \\ 321 \\ \underline{287} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$2371 \div 43 = 55 \text{ remainder } 6$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2371} \\ \underline{215} \\ 221 \\ \underline{215} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2371 \div 47 = 50 \text{ remainder } 21$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2371} \\ \underline{235} \\ 21 \\ \underline{0} \\ 21 \leftarrow \text{remainder} \end{array}$$

P₃₅₂ 2377

$$2377 \div 2 = 1188 \text{ remainder } 1$$

$$\begin{array}{r} 1188 \\ 2 \mid 2377 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2377 \div 3 = 792 \text{ remainder } 1$$

$$\begin{array}{r} 792 \\ 3 \mid 2377 \\ \underline{21} \\ - \\ 27 \\ \underline{27} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2377 \div 5 = 475 \text{ remainder } 2$$

$$\begin{array}{r} 475 \\ 5 \mid 2377 \\ \underline{20} \\ - \\ 37 \\ \underline{35} \\ - \end{array}$$

```

27
25
--
2 ← remainder

```

$$2377 \div 7 = 339 \text{ remainder } 4$$

```

      339
7 | 2377
  21
  --
   27
  21
  --
   67
  63
  --
   4 ← remainder

```

$$2377 \div 11 = 216 \text{ remainder } 1$$

```

      216
11 | 2377
   22
   --
   17
   11
   --
   67
   66
   --
   1 ← remainder

```

$$2377 \div 13 = 182 \text{ remainder } 11$$

```

      182
13 | 2377
   13
   --
   107
   104
   ---
    37
    26

```

--
11 ← remainder

$$2377 \div 17 = 139 \text{ remainder } 14$$

139
17 | 2377
17
--
67
51
--
167
153

14 ← remainder

$$2377 \div 19 = 125 \text{ remainder } 2$$

125
19 | 2377
19
--
47
38
--
97
95
--
2 ← remainder

$$2377 \div 23 = 103 \text{ remainder } 8$$

103
23 | 2377
23
--
7
0
-
77
69
--
8 ← remainder

$$2377 \div 29 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 29 \overline{) 2377} \\ \underline{232} \\ 57 \\ \underline{29} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 31 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 31 \overline{) 2377} \\ \underline{217} \\ 207 \\ \underline{186} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 37 = 64 \text{ remainder } 9$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2377} \\ \underline{222} \\ 157 \\ \underline{148} \\ 9 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 41 = 57 \text{ remainder } 40$$

$$\begin{array}{r} 57 \\ 41 \overline{) 2377} \\ \underline{205} \\ 327 \\ \underline{287} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$2377 \div 43 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 43 \mid 2377 \\ \underline{215} \\ 227 \\ \underline{215} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2377 \div 47 = 50 \text{ remainder } 27$$

$$\begin{array}{r} 50 \\ 47 \mid 2377 \\ \underline{235} \\ 27 \\ \underline{0} \\ 27 \leftarrow \text{remainder} \end{array}$$

P₃₅₃ 2381

$$2381 \div 2 = 1190 \text{ remainder } 1$$

$$\begin{array}{r} 1190 \\ 2 \mid 2381 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2381 \div 3 = 793 \text{ remainder } 2$$

$$\begin{array}{r} 793 \\ 3 \mid 2381 \\ \underline{21} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2381 \div 5 = 476 \text{ remainder } 1$$

$$\begin{array}{r} 476 \\ 5 \mid 2381 \\ \underline{20} \\ -- \\ 38 \\ \underline{35} \\ -- \end{array}$$

```

31
30
--
1 ← remainder

```

$$2381 \div 7 = 340 \text{ remainder } 1$$

```

      340
7 | 2381
   21
   --
   28
   28
   --
   1
   0
   -
   1 ← remainder

```

$$2381 \div 11 = 216 \text{ remainder } 5$$

```

      216
11 | 2381
   22
   --
   18
   11
   --
   71
   66
   --
   5 ← remainder

```

$$2381 \div 13 = 183 \text{ remainder } 2$$

```

      183
13 | 2381
   13
   --
   108
   104
   ---
    41
    39

```

--
2 ← remainder

$$2381 \div 17 = 140 \text{ remainder } 1$$

140
17 | 2381
17
--
68
68
--
1
0
-
1 ← remainder

$$2381 \div 19 = 125 \text{ remainder } 6$$

125
19 | 2381
19
--
48
38
--
101
95
--
6 ← remainder

$$2381 \div 23 = 103 \text{ remainder } 12$$

103
23 | 2381
23
--
8
0
-
81
69
--
12 ← remainder

$$2381 \div 29 = 82 \text{ remainder } 3$$

$$\begin{array}{r}
 82 \\
 29 \mid 2381 \\
 \underline{232} \\
 61 \\
 \underline{58} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2381 \div 31 = 76 \text{ remainder } 25$$

$$\begin{array}{r}
 76 \\
 31 \mid 2381 \\
 \underline{217} \\
 211 \\
 \underline{186} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$2381 \div 37 = 64 \text{ remainder } 13$$

$$\begin{array}{r}
 64 \\
 37 \mid 2381 \\
 \underline{222} \\
 161 \\
 \underline{148} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2381 \div 41 = 58 \text{ remainder } 3$$

$$\begin{array}{r}
 58 \\
 41 \mid 2381 \\
 \underline{205} \\
 331 \\
 \underline{328} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2381 \div 43 = 55 \text{ remainder } 16$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2381} \\ \underline{215} \\ 231 \\ \underline{215} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2381 \div 47 = 50 \text{ remainder } 31$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2381} \\ \underline{235} \\ 31 \\ \underline{0} \\ 31 \leftarrow \text{remainder} \end{array}$$

P₃₅₄ 2383

$$2383 \div 2 = 1191 \text{ remainder } 1$$

$$\begin{array}{r} 1191 \\ 2 \overline{) 2383} \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2383 \div 3 = 794 \text{ remainder } 1$$

$$\begin{array}{r} 794 \\ 3 \overline{) 2383} \\ \underline{21} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2383 \div 5 = 476 \text{ remainder } 3$$

$$\begin{array}{r} 476 \\ 5 \overline{) 2383} \\ \underline{20} \\ -- \\ 38 \\ \underline{35} \\ -- \end{array}$$

```

33
30
--
3 ← remainder

```

$$2383 \div 7 = 340 \text{ remainder } 3$$

```

      340
7 | 2383
  21
  --
  28
  28
  --
   3
   0
   -
   3 ← remainder

```

$$2383 \div 11 = 216 \text{ remainder } 7$$

```

      216
11 | 2383
   22
   --
   18
   11
   --
   73
   66
   --
   7 ← remainder

```

$$2383 \div 13 = 183 \text{ remainder } 4$$

```

      183
13 | 2383
   13
   --
   108
   104
   ---
    43
    39

```


--
4 ← remainder

$$2383 \div 17 = 140 \text{ remainder } 3$$

140
17 | 2383
17
--
68
68
--
3
0
-
3 ← remainder

$$2383 \div 19 = 125 \text{ remainder } 8$$

125
19 | 2383
19
--
48
38
--
103
95
--
8 ← remainder

$$2383 \div 23 = 103 \text{ remainder } 14$$

103
23 | 2383
23
--
8
0
-
83
69
--
14 ← remainder

$$2383 \div 29 = 82 \text{ remainder } 5$$

$$\begin{array}{r}
 82 \\
 29 \mid 2383 \\
 \underline{232} \\
 63 \\
 \underline{58} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2383 \div 31 = 76 \text{ remainder } 27$$

$$\begin{array}{r}
 76 \\
 31 \mid 2383 \\
 \underline{217} \\
 213 \\
 \underline{186} \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$2383 \div 37 = 64 \text{ remainder } 15$$

$$\begin{array}{r}
 64 \\
 37 \mid 2383 \\
 \underline{222} \\
 163 \\
 \underline{148} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$2383 \div 41 = 58 \text{ remainder } 5$$

$$\begin{array}{r}
 58 \\
 41 \mid 2383 \\
 \underline{205} \\
 333 \\
 \underline{328} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2383 \div 43 = 55 \text{ remainder } 18$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2383} \\ \underline{215} \\ 233 \\ \underline{215} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2383 \div 47 = 50 \text{ remainder } 33$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2383} \\ \underline{235} \\ 33 \\ \underline{0} \\ 33 \leftarrow \text{remainder} \end{array}$$

P₃₅₅ 2389

$$2389 \div 2 = 1194 \text{ remainder } 1$$

$$\begin{array}{r} 1194 \\ 2 \mid 2389 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 3 = 796 \text{ remainder } 1$$

$$\begin{array}{r} 796 \\ 3 \mid 2389 \\ \underline{21} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 5 = 477 \text{ remainder } 4$$

$$\begin{array}{r} 477 \\ 5 \mid 2389 \\ \underline{20} \\ -- \\ 38 \\ \underline{35} \\ -- \end{array}$$

```

39
35
--
4 ← remainder

```

$$2389 \div 7 = 341 \text{ remainder } 2$$

```

      341
7 | 2389
  21
  --
  28
  28
  --
   9
   7
   -
   2 ← remainder

```

$$2389 \div 11 = 217 \text{ remainder } 2$$

```

      217
11 | 2389
   22
   --
   18
   11
   --
   79
   77
   --
    2 ← remainder

```

$$2389 \div 13 = 183 \text{ remainder } 10$$

```

      183
13 | 2389
   13
   --
  108
  104
  ---
   49
   39

```

--
10 ← remainder

$$2389 \div 17 = 140 \text{ remainder } 9$$

140
17 | 2389
17
--
68
68
--
9
0
-
9 ← remainder

$$2389 \div 19 = 125 \text{ remainder } 14$$

125
19 | 2389
19
--
48
38
--
109
95
--
14 ← remainder

$$2389 \div 23 = 103 \text{ remainder } 20$$

103
23 | 2389
23
--
8
0
-
89
69
--
20 ← remainder

$$2389 \div 29 = 82 \text{ remainder } 11$$

$$\begin{array}{r} 82 \\ 29 \overline{) 2389} \\ \underline{232} \\ 69 \\ \underline{58} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 31 = 77 \text{ remainder } 2$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2389} \\ \underline{217} \\ 219 \\ \underline{217} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 37 = 64 \text{ remainder } 21$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2389} \\ \underline{222} \\ 169 \\ \underline{148} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 41 = 58 \text{ remainder } 11$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2389} \\ \underline{205} \\ 339 \\ \underline{328} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 43 = 55 \text{ remainder } 24$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2389} \\ \underline{215} \\ 239 \\ \underline{215} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2389 \div 47 = 50 \text{ remainder } 39$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2389} \\ \underline{235} \\ 39 \\ \underline{0} \\ 39 \leftarrow \text{remainder} \end{array}$$

P₃₅₆ 2393

$$2393 \div 2 = 1196 \text{ remainder } 1$$

$$\begin{array}{r} 1196 \\ 2 \mid 2393 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2393 \div 3 = 797 \text{ remainder } 2$$

$$\begin{array}{r} 797 \\ 3 \mid 2393 \\ \underline{21} \\ - \\ 29 \\ \underline{27} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2393 \div 5 = 478 \text{ remainder } 3$$

$$\begin{array}{r} 478 \\ 5 \mid 2393 \\ \underline{20} \\ - \\ 39 \\ \underline{35} \\ - \end{array}$$

43
 40
 --
 3 ← remainder

$$2393 \div 7 = 341 \text{ remainder } 6$$

341
 7 | 2393
 21
 --
 29
 28
 --
 13
 7
 -
 6 ← remainder

$$2393 \div 11 = 217 \text{ remainder } 6$$

217
 11 | 2393
 22
 --
 19
 11
 --
 83
 77
 --
 6 ← remainder

$$2393 \div 13 = 184 \text{ remainder } 1$$

184
 13 | 2393
 13
 --
 109
 104

 53
 52

--
1 ← remainder

$$2393 \div 17 = 140 \text{ remainder } 13$$

140
17 | 2393
17
--
69
68
--
13
0
-
13 ← remainder

$$2393 \div 19 = 125 \text{ remainder } 18$$

125
19 | 2393
19
--
49
38
--
113
95
--
18 ← remainder

$$2393 \div 23 = 104 \text{ remainder } 1$$

104
23 | 2393
23
--
9
0
-
93
92
--
1 ← remainder

$$2393 \div 29 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 29 \overline{) 2393} \\ \underline{232} \\ 73 \\ \underline{58} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2393 \div 31 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2393} \\ \underline{217} \\ 223 \\ \underline{217} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2393 \div 37 = 64 \text{ remainder } 25$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2393} \\ \underline{222} \\ 173 \\ \underline{148} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2393 \div 41 = 58 \text{ remainder } 15$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2393} \\ \underline{205} \\ 343 \\ \underline{328} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2393 \div 43 = 55 \text{ remainder } 28$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2393} \\ \underline{215} \\ 243 \\ \underline{215} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2393 \div 47 = 50 \text{ remainder } 43$$

$$\begin{array}{r} 50 \\ 47 \overline{) 2393} \\ \underline{235} \\ 43 \\ \underline{0} \\ 43 \end{array} \leftarrow \text{remainder}$$

P₃₅₇ 2399

$$2399 \div 2 = 1199 \text{ remainder } 1$$

$$\begin{array}{r} 1199 \\ 2 \mid 2399 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2399 \div 3 = 799 \text{ remainder } 2$$

$$\begin{array}{r} 799 \\ 3 \mid 2399 \\ \underline{21} \\ - \\ 29 \\ \underline{27} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2399 \div 5 = 479 \text{ remainder } 4$$

$$\begin{array}{r} 479 \\ 5 \mid 2399 \\ \underline{20} \\ - \\ 39 \\ \underline{35} \\ - \end{array}$$

49
 45
 --
 4 ← remainder

$$2399 \div 7 = 342 \text{ remainder } 5$$

342
 7 | 2399
 21
 --
 29
 28
 --
 19
 14
 --
 5 ← remainder

$$2399 \div 11 = 218 \text{ remainder } 1$$

218
 11 | 2399
 22
 --
 19
 11
 --
 89
 88
 --
 1 ← remainder

$$2399 \div 13 = 184 \text{ remainder } 7$$

184
 13 | 2399
 13
 --
 109
 104

 59
 52

--
7 ← remainder

$$2399 \div 17 = 141 \text{ remainder } 2$$

141
17 | 2399
17
--
69
68
--
19
17
--
2 ← remainder

$$2399 \div 19 = 126 \text{ remainder } 5$$

126
19 | 2399
19
--
49
38
--
119
114

5 ← remainder

$$2399 \div 23 = 104 \text{ remainder } 7$$

104
23 | 2399
23
--
9
0
-
99
92
--
7 ← remainder

$$2399 \div 29 = 82 \text{ remainder } 21$$

$$\begin{array}{r} 82 \\ 29 \overline{) 2399} \\ \underline{232} \\ 79 \\ \underline{58} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 31 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2399} \\ \underline{217} \\ 229 \\ \underline{217} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 37 = 64 \text{ remainder } 31$$

$$\begin{array}{r} 64 \\ 37 \overline{) 2399} \\ \underline{222} \\ 179 \\ \underline{148} \\ 31 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 41 = 58 \text{ remainder } 21$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2399} \\ \underline{205} \\ 349 \\ \underline{328} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2399 \div 43 = 55 \text{ remainder } 34$$

$$\begin{array}{r} 55 \\ 43 \overline{) 2399} \\ \underline{215} \\ 249 \\ \underline{215} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2399 \div 47 = 51 \text{ remainder } 2$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2399} \\ \underline{235} \\ 49 \\ \underline{47} \\ 2 \leftarrow \text{remainder} \end{array}$$

P₃₅₈ 2411

$$2411 \div 2 = 1205 \text{ remainder } 1$$

$$\begin{array}{r} 1205 \\ 2 \mid 2411 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2411 \div 3 = 803 \text{ remainder } 2$$

$$\begin{array}{r} 803 \\ 3 \mid 2411 \\ \underline{24} \\ - - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2411 \div 5 = 482 \text{ remainder } 1$$

$$\begin{array}{r} 482 \\ 5 \mid 2411 \\ \underline{20} \\ - - \\ 41 \\ \underline{40} \\ - - \end{array}$$

```

11
10
--
1 ← remainder

```

$$2411 \div 7 = 344 \text{ remainder } 3$$

```

  344
7 | 2411
  21
  --
   31
  28
  --
   31
  28
  --
   3 ← remainder

```

$$2411 \div 11 = 219 \text{ remainder } 2$$

```

  219
11 | 2411
   22
   --
    21
    11
    --
    101
    99
    --
     2 ← remainder

```

$$2411 \div 13 = 185 \text{ remainder } 6$$

```

  185
13 | 2411
   13
   --
   111
   104
   ---
    71
    65

```

--
6 ← remainder

$$2411 \div 17 = 141 \text{ remainder } 14$$

```
      141
17 | 2411
    17
    --
     71
     68
     --
     31
     17
     --
     14 ← remainder
```

$$2411 \div 19 = 126 \text{ remainder } 17$$

```
      126
19 | 2411
    19
    --
     51
     38
     --
     131
     114
     ---
     17 ← remainder
```

$$2411 \div 23 = 104 \text{ remainder } 19$$

```
      104
23 | 2411
    23
    --
     11
     0
     -
     111
     92
     --
     19 ← remainder
```

$$2411 \div 29 = 83 \text{ remainder } 4$$

$$\begin{array}{r} 83 \\ 29 \overline{) 2411} \\ \underline{232} \\ 91 \\ \underline{87} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2411 \div 31 = 77 \text{ remainder } 24$$

$$\begin{array}{r} 77 \\ 31 \overline{) 2411} \\ \underline{217} \\ 241 \\ \underline{217} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2411 \div 37 = 65 \text{ remainder } 6$$

$$\begin{array}{r} 65 \\ 37 \overline{) 2411} \\ \underline{222} \\ 191 \\ \underline{185} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2411 \div 41 = 58 \text{ remainder } 33$$

$$\begin{array}{r} 58 \\ 41 \overline{) 2411} \\ \underline{205} \\ 361 \\ \underline{328} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2411 \div 43 = 56 \text{ remainder } 3$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2411} \\ \underline{215} \\ 261 \\ \underline{258} \\ 3 \end{array} \leftarrow \text{remainder}$$

$$2411 \div 47 = 51 \text{ remainder } 14$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2411} \\ \underline{235} \\ 61 \\ \underline{47} \\ 14 \end{array} \leftarrow \text{remainder}$$

P₃₅₉ 2417

$$2417 \div 2 = 1208 \text{ remainder } 1$$

$$\begin{array}{r} 1208 \\ 2 \mid 2417 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2417 \div 3 = 805 \text{ remainder } 2$$

$$\begin{array}{r} 805 \\ 3 \mid 2417 \\ \underline{24} \\ -- \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2417 \div 5 = 483 \text{ remainder } 2$$

$$\begin{array}{r} 483 \\ 5 \mid 2417 \\ \underline{20} \\ -- \\ 41 \\ \underline{40} \\ -- \end{array}$$

17
 15
 --
 2 ← remainder

$$2417 \div 7 = 345 \text{ remainder } 2$$

345
 7 | 2417
 21
 --
 31
 28
 --
 37
 35
 --
 2 ← remainder

$$2417 \div 11 = 219 \text{ remainder } 8$$

219
 11 | 2417
 22
 --
 21
 11
 --
 107
 99
 --
 8 ← remainder

$$2417 \div 13 = 185 \text{ remainder } 12$$

185
 13 | 2417
 13
 --
 111
 104

 77
 65

--
12 ← remainder

$$2417 \div 17 = 142 \text{ remainder } 3$$

142
17 | 2417
17
--
71
68
--
37
34
--
3 ← remainder

$$2417 \div 19 = 127 \text{ remainder } 4$$

127
19 | 2417
19
--
51
38
--
137
133

4 ← remainder

$$2417 \div 23 = 105 \text{ remainder } 2$$

105
23 | 2417
23
--
11
0
-
117
115

2 ← remainder

$$2417 \div 29 = 83 \text{ remainder } 10$$

$$\begin{array}{r}
 83 \\
 29 \mid 2417 \\
 \underline{232} \\
 97 \\
 \underline{87} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2417 \div 31 = 77 \text{ remainder } 30$$

$$\begin{array}{r}
 77 \\
 31 \mid 2417 \\
 \underline{217} \\
 247 \\
 \underline{217} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$2417 \div 37 = 65 \text{ remainder } 12$$

$$\begin{array}{r}
 65 \\
 37 \mid 2417 \\
 \underline{222} \\
 197 \\
 \underline{185} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2417 \div 41 = 58 \text{ remainder } 39$$

$$\begin{array}{r}
 58 \\
 41 \mid 2417 \\
 \underline{205} \\
 367 \\
 \underline{328} \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$2417 \div 43 = 56 \text{ remainder } 9$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2417} \\ \underline{215} \\ 267 \\ \underline{258} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2417 \div 47 = 51 \text{ remainder } 20$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2417} \\ \underline{235} \\ 67 \\ \underline{47} \\ 20 \leftarrow \text{remainder} \end{array}$$

P₃₆₀ 2423

$$2423 \div 2 = 1211 \text{ remainder } 1$$

$$\begin{array}{r} 1211 \\ 2 \mid 2423 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2423 \div 3 = 807 \text{ remainder } 2$$

$$\begin{array}{r} 807 \\ 3 \mid 2423 \\ \underline{24} \\ - - \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2423 \div 5 = 484 \text{ remainder } 3$$

$$\begin{array}{r} 484 \\ 5 \mid 2423 \\ \underline{20} \\ - - \\ 42 \\ \underline{40} \\ - - \end{array}$$

```

23
20
--
3 ← remainder

```

$$2423 \div 7 = 346 \text{ remainder } 1$$

```

      346
7 | 2423
  21
  --
   32
  28
  --
   43
  42
  --
   1 ← remainder

```

$$2423 \div 11 = 220 \text{ remainder } 3$$

```

      220
11 | 2423
   22
   --
    22
   22
   --
    3
    0
    -
    3 ← remainder

```

$$2423 \div 13 = 186 \text{ remainder } 5$$

```

      186
13 | 2423
   13
   --
   112
   104
   ---
    83
    78

```

--
5 ← remainder

$$2423 \div 17 = 142 \text{ remainder } 9$$

142
17 | 2423
17
--
72
68
--
43
34
--
9 ← remainder

$$2423 \div 19 = 127 \text{ remainder } 10$$

127
19 | 2423
19
--
52
38
--
143
133

10 ← remainder

$$2423 \div 23 = 105 \text{ remainder } 8$$

105
23 | 2423
23
--
12
0
-
123
115

8 ← remainder

$$2423 \div 29 = 83 \text{ remainder } 16$$

$$\begin{array}{r}
 83 \\
 29 \mid 2423 \\
 \underline{232} \\
 103 \\
 \underline{87} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$2423 \div 31 = 78 \text{ remainder } 5$$

$$\begin{array}{r}
 78 \\
 31 \mid 2423 \\
 \underline{217} \\
 253 \\
 \underline{248} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2423 \div 37 = 65 \text{ remainder } 18$$

$$\begin{array}{r}
 65 \\
 37 \mid 2423 \\
 \underline{222} \\
 203 \\
 \underline{185} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2423 \div 41 = 59 \text{ remainder } 4$$

$$\begin{array}{r}
 59 \\
 41 \mid 2423 \\
 \underline{205} \\
 373 \\
 \underline{369} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2423 \div 43 = 56 \text{ remainder } 15$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2423} \\ \underline{215} \\ 273 \\ \underline{258} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2423 \div 47 = 51 \text{ remainder } 26$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2423} \\ \underline{235} \\ 73 \\ \underline{47} \\ 26 \leftarrow \text{remainder} \end{array}$$

P₃₆₁ 2437

$$2437 \div 2 = 1218 \text{ remainder } 1$$

$$\begin{array}{r} 1218 \\ 2 \mid 2437 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2437 \div 3 = 812 \text{ remainder } 1$$

$$\begin{array}{r} 812 \\ 3 \mid 2437 \\ \underline{24} \\ -- \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2437 \div 5 = 487 \text{ remainder } 2$$

$$\begin{array}{r} 487 \\ 5 \mid 2437 \\ \underline{20} \\ -- \\ 43 \\ \underline{40} \\ -- \end{array}$$

```

37
35
--
2 ← remainder

```

$$2437 \div 7 = 348 \text{ remainder } 1$$

```

      348
7 | 2437
  21
  --
   33
  28
  --
   57
  56
  --
   1 ← remainder

```

$$2437 \div 11 = 221 \text{ remainder } 6$$

```

      221
11 | 2437
   22
   --
    23
   22
   --
    17
   11
   --
    6 ← remainder

```

$$2437 \div 13 = 187 \text{ remainder } 6$$

```

      187
13 | 2437
   13
   --
   113
   104
   ---
    97
    91

```

--
6 ← remainder

$$2437 \div 17 = 143 \text{ remainder } 6$$

143
17 | 2437
17
--
73
68
--
57
51
--
6 ← remainder

$$2437 \div 19 = 128 \text{ remainder } 5$$

128
19 | 2437
19
--
53
38
--
157
152

5 ← remainder

$$2437 \div 23 = 105 \text{ remainder } 22$$

105
23 | 2437
23
--
13
0
-
137
115

22 ← remainder

$$2437 \div 29 = 84 \text{ remainder } 1$$

$$\begin{array}{r}
 84 \\
 29 \mid 2437 \\
 \underline{232} \\
 117 \\
 \underline{116} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$2437 \div 31 = 78 \text{ remainder } 19$$

$$\begin{array}{r}
 78 \\
 31 \mid 2437 \\
 \underline{217} \\
 267 \\
 \underline{248} \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$2437 \div 37 = 65 \text{ remainder } 32$$

$$\begin{array}{r}
 65 \\
 37 \mid 2437 \\
 \underline{222} \\
 217 \\
 \underline{185} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$2437 \div 41 = 59 \text{ remainder } 18$$

$$\begin{array}{r}
 59 \\
 41 \mid 2437 \\
 \underline{205} \\
 387 \\
 \underline{369} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2437 \div 43 = 56 \text{ remainder } 29$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2437} \\ \underline{215} \\ 287 \\ \underline{258} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2437 \div 47 = 51 \text{ remainder } 40$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2437} \\ \underline{235} \\ 87 \\ \underline{47} \\ 40 \leftarrow \text{remainder} \end{array}$$

P₃₆₂ 2441

$$2441 \div 2 = 1220 \text{ remainder } 1$$

$$\begin{array}{r} 1220 \\ 2 \mid 2441 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 3 = 813 \text{ remainder } 2$$

$$\begin{array}{r} 813 \\ 3 \mid 2441 \\ \underline{24} \\ - - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 5 = 488 \text{ remainder } 1$$

$$\begin{array}{r} 488 \\ 5 \mid 2441 \\ \underline{20} \\ - - \\ 44 \\ \underline{40} \\ - - \end{array}$$

```

41
40
--
1 ← remainder

```

$$2441 \div 7 = 348 \text{ remainder } 5$$

```

      348
7 | 2441
  21
  --
   34
  28
  --
   61
  56
  --
   5 ← remainder

```

$$2441 \div 11 = 221 \text{ remainder } 10$$

```

      221
11 | 2441
   22
   --
   24
   22
   --
   21
   11
   --
  10 ← remainder

```

$$2441 \div 13 = 187 \text{ remainder } 10$$

```

      187
13 | 2441
   13
   --
   114
   104
   ---
   101
   91

```


--
10 ← remainder

$$2441 \div 17 = 143 \text{ remainder } 10$$

143
17 | 2441
17
--
74
68
--
61
51
--
10 ← remainder

$$2441 \div 19 = 128 \text{ remainder } 9$$

128
19 | 2441
19
--
54
38
--
161
152

9 ← remainder

$$2441 \div 23 = 106 \text{ remainder } 3$$

106
23 | 2441
23
--
14
0
-
141
138

3 ← remainder

$$2441 \div 29 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 29 \overline{) 2441} \\ \underline{232} \\ 121 \\ \underline{116} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 31 = 78 \text{ remainder } 23$$

$$\begin{array}{r} 78 \\ 31 \overline{) 2441} \\ \underline{217} \\ 271 \\ \underline{248} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 37 = 65 \text{ remainder } 36$$

$$\begin{array}{r} 65 \\ 37 \overline{) 2441} \\ \underline{222} \\ 221 \\ \underline{185} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 41 = 59 \text{ remainder } 22$$

$$\begin{array}{r} 59 \\ 41 \overline{) 2441} \\ \underline{205} \\ 391 \\ \underline{369} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 43 = 56 \text{ remainder } 33$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2441} \\ \underline{215} \\ 291 \\ \underline{258} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2441 \div 47 = 51 \text{ remainder } 44$$

$$\begin{array}{r} 51 \\ 47 \overline{) 2441} \\ \underline{235} \\ 91 \\ \underline{47} \\ 44 \leftarrow \text{remainder} \end{array}$$

P₃₆₃ 2447

$$2447 \div 2 = 1223 \text{ remainder } 1$$

$$\begin{array}{r} 1223 \\ 2 \mid 2447 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2447 \div 3 = 815 \text{ remainder } 2$$

$$\begin{array}{r} 815 \\ 3 \mid 2447 \\ \underline{24} \\ - - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2447 \div 5 = 489 \text{ remainder } 2$$

$$\begin{array}{r} 489 \\ 5 \mid 2447 \\ \underline{20} \\ - - \\ 44 \\ \underline{40} \\ - - \end{array}$$

```

47
45
--
2 ← remainder

```

$$2447 \div 7 = 349 \text{ remainder } 4$$

```

      349
7 | 2447
  21
  --
   34
  28
  --
   67
  63
  --
   4 ← remainder

```

$$2447 \div 11 = 222 \text{ remainder } 5$$

```

      222
11 | 2447
   22
   --
   24
   22
   --
   27
   22
   --
   5 ← remainder

```

$$2447 \div 13 = 188 \text{ remainder } 3$$

```

      188
13 | 2447
   13
   --
   114
   104
   ---
   107
   104

```

3 ← remainder

$$2447 \div 17 = 143 \text{ remainder } 16$$

```
      143
17 | 2447
    17
    --
     74
     68
     --
     67
     51
     --
     16 ← remainder
```

$$2447 \div 19 = 128 \text{ remainder } 15$$

```
      128
19 | 2447
    19
    --
     54
     38
     --
     167
     152
     ---
     15 ← remainder
```

$$2447 \div 23 = 106 \text{ remainder } 9$$

```
      106
23 | 2447
    23
    --
     14
     0
     -
     147
     138
     ---
     9 ← remainder
```

$$2447 \div 29 = 84 \text{ remainder } 11$$

$$\begin{array}{r}
 84 \\
 29 \mid 2447 \\
 \underline{232} \\
 127 \\
 \underline{116} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$2447 \div 31 = 78 \text{ remainder } 29$$

$$\begin{array}{r}
 78 \\
 31 \mid 2447 \\
 \underline{217} \\
 277 \\
 \underline{248} \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$2447 \div 37 = 66 \text{ remainder } 5$$

$$\begin{array}{r}
 66 \\
 37 \mid 2447 \\
 \underline{222} \\
 227 \\
 \underline{222} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2447 \div 41 = 59 \text{ remainder } 28$$

$$\begin{array}{r}
 59 \\
 41 \mid 2447 \\
 \underline{205} \\
 397 \\
 \underline{369} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2447 \div 43 = 56 \text{ remainder } 39$$

$$\begin{array}{r} 56 \\ 43 \overline{) 2447} \\ \underline{215} \\ 297 \\ \underline{258} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$2447 \div 47 = 52 \text{ remainder } 3$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2447} \\ \underline{235} \\ 97 \\ \underline{94} \\ 3 \leftarrow \text{remainder} \end{array}$$

P₃₆₄ 2459

$$2459 \div 2 = 1229 \text{ remainder } 1$$

$$\begin{array}{r} 1229 \\ 2 \overline{) 2459} \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2459 \div 3 = 819 \text{ remainder } 2$$

$$\begin{array}{r} 819 \\ 3 \overline{) 2459} \\ \underline{24} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2459 \div 5 = 491 \text{ remainder } 4$$

$$\begin{array}{r} 491 \\ 5 \overline{) 2459} \\ \underline{20} \\ - \\ 45 \\ \underline{45} \\ - \end{array}$$

```

  9
  5
  -
  4 ← remainder

```

$$2459 \div 7 = 351 \text{ remainder } 2$$

```

    351
7 | 2459
   21
   --
   35
   35
   --
    9
    7
    -
    2 ← remainder

```

$$2459 \div 11 = 223 \text{ remainder } 6$$

```

    223
11 | 2459
   22
   --
   25
   22
   --
   39
   33
   --
    6 ← remainder

```

$$2459 \div 13 = 189 \text{ remainder } 2$$

```

    189
13 | 2459
   13
   --
   115
   104
   ---
   119
   117

```

2 ← remainder

$$2459 \div 17 = 144 \text{ remainder } 11$$

```
      144
17 | 2459
    17
    --
     75
     68
     --
      79
      68
      --
      11 ← remainder
```

$$2459 \div 19 = 129 \text{ remainder } 8$$

```
      129
19 | 2459
    19
    --
     55
     38
     --
     179
     171
     ---
      8 ← remainder
```

$$2459 \div 23 = 106 \text{ remainder } 21$$

```
      106
23 | 2459
    23
    --
     15
     0
     -
     159
     138
     ---
      21 ← remainder
```

$$2459 \div 29 = 84 \text{ remainder } 23$$

$$\begin{array}{r} 84 \\ 29 \overline{) 2459} \\ \underline{232} \\ --- \\ 139 \\ \underline{116} \\ --- \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2459 \div 31 = 79 \text{ remainder } 10$$

$$\begin{array}{r} 79 \\ 31 \overline{) 2459} \\ \underline{217} \\ --- \\ 289 \\ \underline{279} \\ --- \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2459 \div 37 = 66 \text{ remainder } 17$$

$$\begin{array}{r} 66 \\ 37 \overline{) 2459} \\ \underline{222} \\ --- \\ 239 \\ \underline{222} \\ --- \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2459 \div 41 = 59 \text{ remainder } 40$$

$$\begin{array}{r} 59 \\ 41 \overline{) 2459} \\ \underline{205} \\ --- \\ 409 \\ \underline{369} \\ --- \\ 40 \leftarrow \text{remainder} \end{array}$$

$$2459 \div 43 = 57 \text{ remainder } 8$$

$$\begin{array}{r} 57 \\ 43 \overline{) 2459} \\ \underline{215} \\ 309 \\ \underline{301} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2459 \div 47 = 52 \text{ remainder } 15$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2459} \\ \underline{235} \\ 109 \\ \underline{94} \\ 15 \leftarrow \text{remainder} \end{array}$$

P₃₆₅ 2467

$$2467 \div 2 = 1233 \text{ remainder } 1$$

$$\begin{array}{r} 1233 \\ 2 \mid 2467 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 3 = 822 \text{ remainder } 1$$

$$\begin{array}{r} 822 \\ 3 \mid 2467 \\ \underline{24} \\ - - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 5 = 493 \text{ remainder } 2$$

$$\begin{array}{r} 493 \\ 5 \mid 2467 \\ \underline{20} \\ - - \\ 46 \\ \underline{45} \\ - - \end{array}$$

17
 15
 --
 2 ← remainder

$$2467 \div 7 = 352 \text{ remainder } 3$$

352
 7 | 2467
 21
 --
 36
 35
 --
 17
 14
 --
 3 ← remainder

$$2467 \div 11 = 224 \text{ remainder } 3$$

224
 11 | 2467
 22
 --
 26
 22
 --
 47
 44
 --
 3 ← remainder

$$2467 \div 13 = 189 \text{ remainder } 10$$

189
 13 | 2467
 13
 --
 116
 104

 127
 117

10 ← remainder

$$2467 \div 17 = 145 \text{ remainder } 2$$

```
      145
17 | 2467
    17
    --
     76
     68
     --
     87
     85
     --
      2 ← remainder
```

$$2467 \div 19 = 129 \text{ remainder } 16$$

```
      129
19 | 2467
    19
    --
     56
     38
     --
     187
     171
     ---
      16 ← remainder
```

$$2467 \div 23 = 107 \text{ remainder } 6$$

```
      107
23 | 2467
    23
    --
     16
     0
     -
     167
     161
     ---
      6 ← remainder
```


$$2467 \div 29 = 85 \text{ remainder } 2$$

$$\begin{array}{r} 85 \\ 29 \overline{) 2467} \\ \underline{232} \\ 147 \\ \underline{145} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 31 = 79 \text{ remainder } 18$$

$$\begin{array}{r} 79 \\ 31 \overline{) 2467} \\ \underline{217} \\ 297 \\ \underline{279} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 37 = 66 \text{ remainder } 25$$

$$\begin{array}{r} 66 \\ 37 \overline{) 2467} \\ \underline{222} \\ 247 \\ \underline{222} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 41 = 60 \text{ remainder } 7$$

$$\begin{array}{r} 60 \\ 41 \overline{) 2467} \\ \underline{246} \\ 7 \\ 0 \\ - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 43 = 57 \text{ remainder } 16$$

$$\begin{array}{r} 57 \\ 43 \overline{) 2467} \\ \underline{215} \\ 317 \\ \underline{301} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2467 \div 47 = 52 \text{ remainder } 23$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2467} \\ \underline{235} \\ 117 \\ \underline{94} \\ 23 \leftarrow \text{remainder} \end{array}$$

P₃₆₆ 2473

$$2473 \div 2 = 1236 \text{ remainder } 1$$

$$\begin{array}{r} 1236 \\ 2 \mid 2473 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2473 \div 3 = 824 \text{ remainder } 1$$

$$\begin{array}{r} 824 \\ 3 \mid 2473 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2473 \div 5 = 494 \text{ remainder } 3$$

$$\begin{array}{r} 494 \\ 5 \mid 2473 \\ \underline{20} \\ - - \\ 47 \\ \underline{45} \\ - - \end{array}$$

23
 20
 --
 3 ← remainder

$$2473 \div 7 = 353 \text{ remainder } 2$$

353
 7 | 2473
 21
 --
 37
 35
 --
 23
 21
 --
 2 ← remainder

$$2473 \div 11 = 224 \text{ remainder } 9$$

224
 11 | 2473
 22
 --
 27
 22
 --
 53
 44
 --
 9 ← remainder

$$2473 \div 13 = 190 \text{ remainder } 3$$

190
 13 | 2473
 13
 --
 117
 117

 3
 0

-
3 ← remainder

$$2473 \div 17 = 145 \text{ remainder } 8$$

145
17 | 2473
17
--
77
68
--
93
85
--
8 ← remainder

$$2473 \div 19 = 130 \text{ remainder } 3$$

130
19 | 2473
19
--
57
57
--
3
0
-
3 ← remainder

$$2473 \div 23 = 107 \text{ remainder } 12$$

107
23 | 2473
23
--
17
0
-
173
161
--
12 ← remainder

$$2473 \div 29 = 85 \text{ remainder } 8$$

$$\begin{array}{r} 85 \\ 29 \overline{) 2473} \\ \underline{232} \\ 153 \\ \underline{145} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2473 \div 31 = 79 \text{ remainder } 24$$

$$\begin{array}{r} 79 \\ 31 \overline{) 2473} \\ \underline{217} \\ 303 \\ \underline{279} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2473 \div 37 = 66 \text{ remainder } 31$$

$$\begin{array}{r} 66 \\ 37 \overline{) 2473} \\ \underline{222} \\ 253 \\ \underline{222} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2473 \div 41 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 41 \overline{) 2473} \\ \underline{246} \\ 13 \\ 0 \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2473 \div 43 = 57 \text{ remainder } 22$$

$$\begin{array}{r} 57 \\ 43 \overline{) 2473} \\ \underline{215} \\ 323 \\ \underline{301} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2473 \div 47 = 52 \text{ remainder } 29$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2473} \\ \underline{235} \\ 123 \\ \underline{94} \\ 29 \leftarrow \text{remainder} \end{array}$$

P₃₆₇ 2477

$$2477 \div 2 = 1238 \text{ remainder } 1$$

$$\begin{array}{r} 1238 \\ 2 \mid 2477 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2477 \div 3 = 825 \text{ remainder } 2$$

$$\begin{array}{r} 825 \\ 3 \mid 2477 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2477 \div 5 = 495 \text{ remainder } 2$$

$$\begin{array}{r} 495 \\ 5 \mid 2477 \\ \underline{20} \\ - - \\ 47 \\ \underline{45} \\ - - \end{array}$$

27
 25
 --
 2 ← remainder

$$2477 \div 7 = 353 \text{ remainder } 6$$

353
 7 | 2477
 21
 --
 37
 35
 --
 27
 21
 --
 6 ← remainder

$$2477 \div 11 = 225 \text{ remainder } 2$$

225
 11 | 2477
 22
 --
 27
 22
 --
 57
 55
 --
 2 ← remainder

$$2477 \div 13 = 190 \text{ remainder } 7$$

190
 13 | 2477
 13
 --
 117
 117

 7
 0

-
7 ← remainder

$$2477 \div 17 = 145 \text{ remainder } 12$$

```
      145
17 | 2477
    17
    --
    77
    68
    --
    97
    85
    --
    12 ← remainder
```

$$2477 \div 19 = 130 \text{ remainder } 7$$

```
      130
19 | 2477
    19
    --
    57
    57
    --
    7
    0
    -
    7 ← remainder
```

$$2477 \div 23 = 107 \text{ remainder } 16$$

```
      107
23 | 2477
    23
    --
    17
    0
    -
    177
    161
    ---
    16 ← remainder
```

$$2477 \div 29 = 85 \text{ remainder } 12$$

$$\begin{array}{r}
 85 \\
 29 \mid 2477 \\
 \underline{232} \\
 157 \\
 \underline{145} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2477 \div 31 = 79 \text{ remainder } 28$$

$$\begin{array}{r}
 79 \\
 31 \mid 2477 \\
 \underline{217} \\
 307 \\
 \underline{279} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2477 \div 37 = 66 \text{ remainder } 35$$

$$\begin{array}{r}
 66 \\
 37 \mid 2477 \\
 \underline{222} \\
 257 \\
 \underline{222} \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$2477 \div 41 = 60 \text{ remainder } 17$$

$$\begin{array}{r}
 60 \\
 41 \mid 2477 \\
 \underline{246} \\
 17 \\
 0 \\
 - \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$2477 \div 43 = 57 \text{ remainder } 26$$

$$\begin{array}{r} 57 \\ 43 \overline{) 2477} \\ \underline{215} \\ 327 \\ \underline{301} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2477 \div 47 = 52 \text{ remainder } 33$$

$$\begin{array}{r} 52 \\ 47 \overline{) 2477} \\ \underline{235} \\ 127 \\ \underline{94} \\ 33 \leftarrow \text{remainder} \end{array}$$

P₃₆₈ 2503

$$2503 \div 2 = 1251 \text{ remainder } 1$$

$$\begin{array}{r} 1251 \\ 2 \mid 2503 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 10 \\ \underline{10} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 3 = 834 \text{ remainder } 1$$

$$\begin{array}{r} 834 \\ 3 \mid 2503 \\ \underline{24} \\ - - \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 5 = 500 \text{ remainder } 3$$

$$\begin{array}{r} 500 \\ 5 \mid 2503 \\ \underline{25} \\ - - \\ 0 \\ \underline{0} \\ - \end{array}$$

```

3
0
-
3 ← remainder

```

$$2503 \div 7 = 357 \text{ remainder } 4$$

```

      357
7 | 2503
  21
  --
   40
   35
   --
   53
   49
   --
   4 ← remainder

```

$$2503 \div 11 = 227 \text{ remainder } 6$$

```

      227
11 | 2503
   22
   --
   30
   22
   --
   83
   77
   --
   6 ← remainder

```

$$2503 \div 13 = 192 \text{ remainder } 7$$

```

      192
13 | 2503
   13
   --
   120
   117
   ---
    33
    26

```

--
7 ← remainder

$$2503 \div 17 = 147 \text{ remainder } 4$$

147
17 | 2503
17
--
80
68
--
123
119

4 ← remainder

$$2503 \div 19 = 131 \text{ remainder } 14$$

131
19 | 2503
19
--
60
57
--
33
19
--
14 ← remainder

$$2503 \div 23 = 108 \text{ remainder } 19$$

108
23 | 2503
23
--
20
0
-
203
184

19 ← remainder

$$2503 \div 29 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 29 \overline{) 2503} \\ \underline{232} \\ 183 \\ \underline{174} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 31 = 80 \text{ remainder } 23$$

$$\begin{array}{r} 80 \\ 31 \overline{) 2503} \\ \underline{248} \\ 23 \\ \underline{0} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 37 = 67 \text{ remainder } 24$$

$$\begin{array}{r} 67 \\ 37 \overline{) 2503} \\ \underline{222} \\ 283 \\ \underline{259} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 41 = 61 \text{ remainder } 2$$

$$\begin{array}{r} 61 \\ 41 \overline{) 2503} \\ \underline{246} \\ 43 \\ \underline{41} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 43 = 58 \text{ remainder } 9$$

$$\begin{array}{r} 58 \\ 43 \overline{) 2503} \\ \underline{215} \\ 353 \\ \underline{344} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2503 \div 47 = 53 \text{ remainder } 12$$

$$\begin{array}{r} 53 \\ 47 \overline{) 2503} \\ \underline{235} \\ 153 \\ \underline{141} \\ 12 \leftarrow \text{remainder} \end{array}$$

P₃₆₉ 2521

$$2521 \div 2 = 1260 \text{ remainder } 1$$

$$\begin{array}{r} 1260 \\ 2 \mid 2521 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 3 = 840 \text{ remainder } 1$$

$$\begin{array}{r} 840 \\ 3 \mid 2521 \\ \underline{24} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 5 = 504 \text{ remainder } 1$$

$$\begin{array}{r} 504 \\ 5 \mid 2521 \\ \underline{25} \\ - - \\ 2 \\ \underline{0} \\ - \end{array}$$

```

21
20
--
1 ← remainder

```

$$2521 \div 7 = 360 \text{ remainder } 1$$

```

      360
7 | 2521
   21
   --
   42
   42
   --
   1
   0
   -
   1 ← remainder

```

$$2521 \div 11 = 229 \text{ remainder } 2$$

```

      229
11 | 2521
   22
   --
   32
   22
   --
  101
   99
   --
   2 ← remainder

```

$$2521 \div 13 = 193 \text{ remainder } 12$$

```

      193
13 | 2521
   13
   --
  122
  117
  ---
   51
   39

```

--
12 ← remainder

$$2521 \div 17 = 148 \text{ remainder } 5$$

148
17 | 2521
17
--
82
68
--
141
136

5 ← remainder

$$2521 \div 19 = 132 \text{ remainder } 13$$

132
19 | 2521
19
--
62
57
--
51
38
--
13 ← remainder

$$2521 \div 23 = 109 \text{ remainder } 14$$

109
23 | 2521
23
--
22
0
-
221
207

14 ← remainder

$$2521 \div 29 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 29 \overline{) 2521} \\ \underline{232} \\ 201 \\ \underline{174} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 31 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 31 \overline{) 2521} \\ \underline{248} \\ 41 \\ \underline{31} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 37 = 68 \text{ remainder } 5$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2521} \\ \underline{222} \\ 301 \\ \underline{296} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 41 = 61 \text{ remainder } 20$$

$$\begin{array}{r} 61 \\ 41 \overline{) 2521} \\ \underline{246} \\ 61 \\ \underline{41} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 43 = 58 \text{ remainder } 27$$

$$\begin{array}{r} 58 \\ 43 \overline{) 2521} \\ \underline{215} \\ 371 \\ \underline{344} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2521 \div 47 = 53 \text{ remainder } 30$$

$$\begin{array}{r} 53 \\ 47 \overline{) 2521} \\ \underline{235} \\ 171 \\ \underline{141} \\ 30 \leftarrow \text{remainder} \end{array}$$

P₃₇₀ 2531

$$2531 \div 2 = 1265 \text{ remainder } 1$$

$$\begin{array}{r} 1265 \\ 2 \mid 2531 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 3 = 843 \text{ remainder } 2$$

$$\begin{array}{r} 843 \\ 3 \mid 2531 \\ \underline{24} \\ - \\ 13 \\ \underline{12} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 5 = 506 \text{ remainder } 1$$

$$\begin{array}{r} 506 \\ 5 \mid 2531 \\ \underline{25} \\ - \\ 3 \\ \underline{0} \\ - \end{array}$$

```

31
30
--
1 ← remainder

```

$$2531 \div 7 = 361 \text{ remainder } 4$$

```

      361
7 | 2531
   21
   --
   43
   42
   --
   11
   7
   -
   4 ← remainder

```

$$2531 \div 11 = 230 \text{ remainder } 1$$

```

      230
11 | 2531
   22
   --
   33
   33
   --
   1
   0
   -
   1 ← remainder

```

$$2531 \div 13 = 194 \text{ remainder } 9$$

```

      194
13 | 2531
   13
   --
   123
   117
   ---
    61
    52

```


--
9 ← remainder

$$2531 \div 17 = 148 \text{ remainder } 15$$

148
17 | 2531
17
--
83
68
--
151
136

15 ← remainder

$$2531 \div 19 = 133 \text{ remainder } 4$$

133
19 | 2531
19
--
63
57
--
61
57
--
4 ← remainder

$$2531 \div 23 = 110 \text{ remainder } 1$$

110
23 | 2531
23
--
23
23
--
1
0
-
1 ← remainder

$$2531 \div 29 = 87 \text{ remainder } 8$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2531} \\ \underline{232} \\ 211 \\ \underline{203} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 31 = 81 \text{ remainder } 20$$

$$\begin{array}{r} 81 \\ 31 \overline{) 2531} \\ \underline{248} \\ 51 \\ \underline{31} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 37 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2531} \\ \underline{222} \\ 311 \\ \underline{296} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 41 = 61 \text{ remainder } 30$$

$$\begin{array}{r} 61 \\ 41 \overline{) 2531} \\ \underline{246} \\ 71 \\ \underline{41} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 43 = 58 \text{ remainder } 37$$

$$\begin{array}{r} 58 \\ 43 \overline{) 2531} \\ \underline{215} \\ 381 \\ \underline{344} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2531 \div 47 = 53 \text{ remainder } 40$$

$$\begin{array}{r} 53 \\ 47 \overline{) 2531} \\ \underline{235} \\ 181 \\ \underline{141} \\ 40 \leftarrow \text{remainder} \end{array}$$

P₃₇₁ 2539

$$2539 \div 2 = 1269 \text{ remainder } 1$$

$$\begin{array}{r} 1269 \\ 2 \mid 2539 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 3 = 846 \text{ remainder } 1$$

$$\begin{array}{r} 846 \\ 3 \mid 2539 \\ \underline{24} \\ - \\ 13 \\ \underline{12} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 5 = 507 \text{ remainder } 4$$

$$\begin{array}{r} 507 \\ 5 \mid 2539 \\ \underline{25} \\ - \\ 3 \\ \underline{0} \\ - \end{array}$$

```

39
35
--
4 ← remainder

```

$$2539 \div 7 = 362 \text{ remainder } 5$$

```

      362
7 | 2539
  21
  --
   43
   42
   --
   19
   14
   --
   5 ← remainder

```

$$2539 \div 11 = 230 \text{ remainder } 9$$

```

      230
11 | 2539
   22
   --
   33
   33
   --
    9
    0
    -
    9 ← remainder

```

$$2539 \div 13 = 195 \text{ remainder } 4$$

```

      195
13 | 2539
   13
   --
   123
   117
   ---
    69
    65

```

--
4 ← remainder

$$2539 \div 17 = 149 \text{ remainder } 6$$

149
17 | 2539
17
--
83
68
--
159
153

6 ← remainder

$$2539 \div 19 = 133 \text{ remainder } 12$$

133
19 | 2539
19
--
63
57
--
69
57
--
12 ← remainder

$$2539 \div 23 = 110 \text{ remainder } 9$$

110
23 | 2539
23
--
23
23
--
9
0
-
9 ← remainder

$$2539 \div 29 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2539} \\ \underline{232} \\ 219 \\ \underline{203} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 31 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 31 \overline{) 2539} \\ \underline{248} \\ 59 \\ \underline{31} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 37 = 68 \text{ remainder } 23$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2539} \\ \underline{222} \\ 319 \\ \underline{296} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 41 = 61 \text{ remainder } 38$$

$$\begin{array}{r} 61 \\ 41 \overline{) 2539} \\ \underline{246} \\ 79 \\ \underline{41} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 43 = 59 \text{ remainder } 2$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2539} \\ \underline{215} \\ 389 \\ \underline{387} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2539 \div 47 = 54 \text{ remainder } 1$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2539} \\ \underline{235} \\ 189 \\ \underline{188} \\ 1 \leftarrow \text{remainder} \end{array}$$

P₃₇₂ 2543

$$2543 \div 2 = 1271 \text{ remainder } 1$$

$$\begin{array}{r} 1271 \\ 2 \mid 2543 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2543 \div 3 = 847 \text{ remainder } 2$$

$$\begin{array}{r} 847 \\ 3 \mid 2543 \\ \underline{24} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2543 \div 5 = 508 \text{ remainder } 3$$

$$\begin{array}{r} 508 \\ 5 \mid 2543 \\ \underline{25} \\ - - \\ 4 \\ \underline{0} \\ - \end{array}$$

```

43
40
--
3 ← remainder

```

$$2543 \div 7 = 363 \text{ remainder } 2$$

```

      363
7 | 2543
  21
  --
   44
   42
   --
   23
   21
   --
   2 ← remainder

```

$$2543 \div 11 = 231 \text{ remainder } 2$$

```

      231
11 | 2543
   22
   --
   34
   33
   --
   13
   11
   --
   2 ← remainder

```

$$2543 \div 13 = 195 \text{ remainder } 8$$

```

      195
13 | 2543
   13
   --
   124
   117
   ---
    73
    65

```

--
8 ← remainder

$$2543 \div 17 = 149 \text{ remainder } 10$$

149
17 | 2543
17
--
84
68
--
163
153

10 ← remainder

$$2543 \div 19 = 133 \text{ remainder } 16$$

133
19 | 2543
19
--
64
57
--
73
57
--
16 ← remainder

$$2543 \div 23 = 110 \text{ remainder } 13$$

110
23 | 2543
23
--
24
23
--
13
0
-
13 ← remainder

$$2543 \div 29 = 87 \text{ remainder } 20$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2543} \\ \underline{232} \\ 223 \\ \underline{203} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2543 \div 31 = 82 \text{ remainder } 1$$

$$\begin{array}{r} 82 \\ 31 \overline{) 2543} \\ \underline{248} \\ 63 \\ \underline{62} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2543 \div 37 = 68 \text{ remainder } 27$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2543} \\ \underline{222} \\ 323 \\ \underline{296} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2543 \div 41 = 62 \text{ remainder } 1$$

$$\begin{array}{r} 62 \\ 41 \overline{) 2543} \\ \underline{246} \\ 83 \\ \underline{82} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2543 \div 43 = 59 \text{ remainder } 6$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2543} \\ \underline{215} \\ 393 \\ \underline{387} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2543 \div 47 = 54 \text{ remainder } 5$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2543} \\ \underline{235} \\ 193 \\ \underline{188} \\ 5 \leftarrow \text{remainder} \end{array}$$

P₃₇₃ 2549

$$2549 \div 2 = 1274 \text{ remainder } 1$$

$$\begin{array}{r} 1274 \\ 2 \mid 2549 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2549 \div 3 = 849 \text{ remainder } 2$$

$$\begin{array}{r} 849 \\ 3 \mid 2549 \\ \underline{24} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2549 \div 5 = 509 \text{ remainder } 4$$

$$\begin{array}{r} 509 \\ 5 \mid 2549 \\ \underline{25} \\ - - \\ 4 \\ \underline{0} \\ - \end{array}$$

49
 45
 --
 4 ← remainder

$$2549 \div 7 = 364 \text{ remainder } 1$$

364
 7 | 2549
 21
 --
 44
 42
 --
 29
 28
 --
 1 ← remainder

$$2549 \div 11 = 231 \text{ remainder } 8$$

231
 11 | 2549
 22
 --
 34
 33
 --
 19
 11
 --
 8 ← remainder

$$2549 \div 13 = 196 \text{ remainder } 1$$

196
 13 | 2549
 13
 --
 124
 117

 79
 78

--
1 ← remainder

$$2549 \div 17 = 149 \text{ remainder } 16$$

149
17 | 2549
17
--
84
68
--
169
153

16 ← remainder

$$2549 \div 19 = 134 \text{ remainder } 3$$

134
19 | 2549
19
--
64
57
--
79
76
--
3 ← remainder

$$2549 \div 23 = 110 \text{ remainder } 19$$

110
23 | 2549
23
--
24
23
--
19
0
-
19 ← remainder

$$2549 \div 29 = 87 \text{ remainder } 26$$

$$\begin{array}{r}
 87 \\
 29 \mid 2549 \\
 \underline{232} \\
 229 \\
 \underline{203} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$2549 \div 31 = 82 \text{ remainder } 7$$

$$\begin{array}{r}
 82 \\
 31 \mid 2549 \\
 \underline{248} \\
 69 \\
 \underline{62} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2549 \div 37 = 68 \text{ remainder } 33$$

$$\begin{array}{r}
 68 \\
 37 \mid 2549 \\
 \underline{222} \\
 329 \\
 \underline{296} \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$2549 \div 41 = 62 \text{ remainder } 7$$

$$\begin{array}{r}
 62 \\
 41 \mid 2549 \\
 \underline{246} \\
 89 \\
 \underline{82} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2549 \div 43 = 59 \text{ remainder } 12$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2549} \\ \underline{215} \\ 399 \\ \underline{387} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2549 \div 47 = 54 \text{ remainder } 11$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2549} \\ \underline{235} \\ 199 \\ \underline{188} \\ 11 \leftarrow \text{remainder} \end{array}$$

P₃₇₄ 2551

$$2551 \div 2 = 1275 \text{ remainder } 1$$

$$\begin{array}{r} 1275 \\ 2 \mid 2551 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 3 = 850 \text{ remainder } 1$$

$$\begin{array}{r} 850 \\ 3 \mid 2551 \\ \underline{24} \\ - \\ 15 \\ \underline{15} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 5 = 510 \text{ remainder } 1$$

$$\begin{array}{r} 510 \\ 5 \mid 2551 \\ \underline{25} \\ - \\ 5 \\ \underline{5} \\ - \end{array}$$

```

1
0
-
1 ← remainder

```

$$2551 \div 7 = 364 \text{ remainder } 3$$

```

      364
7 | 2551
  21
  --
   45
   42
   --
   31
   28
   --
   3 ← remainder

```

$$2551 \div 11 = 231 \text{ remainder } 10$$

```

      231
11 | 2551
   22
   --
   35
   33
   --
   21
   11
   --
  10 ← remainder

```

$$2551 \div 13 = 196 \text{ remainder } 3$$

```

      196
13 | 2551
   13
   --
  125
  117
  ---
   81
   78

```

--
3 ← remainder

$$2551 \div 17 = 150 \text{ remainder } 1$$

150
17 | 2551
17
--
85
85
--
1
0
-
1 ← remainder

$$2551 \div 19 = 134 \text{ remainder } 5$$

134
19 | 2551
19
--
65
57
--
81
76
--
5 ← remainder

$$2551 \div 23 = 110 \text{ remainder } 21$$

110
23 | 2551
23
--
25
23
--
21
0
-
21 ← remainder

$$2551 \div 29 = 87 \text{ remainder } 28$$

$$\begin{array}{r} 87 \\ 29 \overline{) 2551} \\ \underline{232} \\ 231 \\ \underline{203} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 31 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 31 \overline{) 2551} \\ \underline{248} \\ 71 \\ \underline{62} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 37 = 68 \text{ remainder } 35$$

$$\begin{array}{r} 68 \\ 37 \overline{) 2551} \\ \underline{222} \\ 331 \\ \underline{296} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 41 = 62 \text{ remainder } 9$$

$$\begin{array}{r} 62 \\ 41 \overline{) 2551} \\ \underline{246} \\ 91 \\ \underline{82} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 43 = 59 \text{ remainder } 14$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2551} \\ \underline{215} \\ 401 \\ \underline{387} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2551 \div 47 = 54 \text{ remainder } 13$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2551} \\ \underline{235} \\ 201 \\ \underline{188} \\ 13 \leftarrow \text{remainder} \end{array}$$

P₃₇₅ 2557

$$2557 \div 2 = 1278 \text{ remainder } 1$$

$$\begin{array}{r} 1278 \\ 2 \mid 2557 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 3 = 852 \text{ remainder } 1$$

$$\begin{array}{r} 852 \\ 3 \mid 2557 \\ \underline{24} \\ - \\ 15 \\ \underline{15} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 5 = 511 \text{ remainder } 2$$

$$\begin{array}{r} 511 \\ 5 \mid 2557 \\ \underline{25} \\ - \\ 5 \\ \underline{5} \\ - \end{array}$$


```

7
5
-
2 ← remainder

```

$$2557 \div 7 = 365 \text{ remainder } 2$$

```

      365
7 | 2557
  21
  --
   45
   42
   --
   37
   35
   --
   2 ← remainder

```

$$2557 \div 11 = 232 \text{ remainder } 5$$

```

      232
11 | 2557
   22
   --
   35
   33
   --
   27
   22
   --
   5 ← remainder

```

$$2557 \div 13 = 196 \text{ remainder } 9$$

```

      196
13 | 2557
   13
   --
   125
   117
   ---
    87
    78

```

--
9 ← remainder

$$2557 \div 17 = 150 \text{ remainder } 7$$

150
17 | 2557
17
--
85
85
--
7
0
-
7 ← remainder

$$2557 \div 19 = 134 \text{ remainder } 11$$

134
19 | 2557
19
--
65
57
--
87
76
--
11 ← remainder

$$2557 \div 23 = 111 \text{ remainder } 4$$

111
23 | 2557
23
--
25
23
--
27
23
--
4 ← remainder

$$2557 \div 29 = 88 \text{ remainder } 5$$

$$\begin{array}{r} 88 \\ 29 \overline{) 2557} \\ \underline{232} \\ 237 \\ \underline{232} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 31 = 82 \text{ remainder } 15$$

$$\begin{array}{r} 82 \\ 31 \overline{) 2557} \\ \underline{248} \\ 77 \\ \underline{62} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 37 = 69 \text{ remainder } 4$$

$$\begin{array}{r} 69 \\ 37 \overline{) 2557} \\ \underline{222} \\ 337 \\ \underline{333} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 41 = 62 \text{ remainder } 15$$

$$\begin{array}{r} 62 \\ 41 \overline{) 2557} \\ \underline{246} \\ 97 \\ \underline{82} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 43 = 59 \text{ remainder } 20$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2557} \\ \underline{215} \\ 407 \\ \underline{387} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2557 \div 47 = 54 \text{ remainder } 19$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2557} \\ \underline{235} \\ 207 \\ \underline{188} \\ 19 \leftarrow \text{remainder} \end{array}$$

P₃₇₆ 2579

$$2579 \div 2 = 1289 \text{ remainder } 1$$

$$\begin{array}{r} 1289 \\ 2 \mid 2579 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2579 \div 3 = 859 \text{ remainder } 2$$

$$\begin{array}{r} 859 \\ 3 \mid 2579 \\ \underline{24} \\ - \\ 17 \\ \underline{15} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2579 \div 5 = 515 \text{ remainder } 4$$

$$\begin{array}{r} 515 \\ 5 \mid 2579 \\ \underline{25} \\ - \\ 7 \\ \underline{5} \\ - \end{array}$$

```

29
25
--
4 ← remainder

```

$$2579 \div 7 = 368 \text{ remainder } 3$$

```

      368
7 | 2579
  21
  --
   47
   42
   --
   59
   56
   --
   3 ← remainder

```

$$2579 \div 11 = 234 \text{ remainder } 5$$

```

      234
11 | 2579
   22
   --
   37
   33
   --
   49
   44
   --
   5 ← remainder

```

$$2579 \div 13 = 198 \text{ remainder } 5$$

```

      198
13 | 2579
   13
   --
   127
   117
   ---
   109
   104

```

5 ← remainder

$$2579 \div 17 = 151 \text{ remainder } 12$$

```
      151
17 | 2579
    17
    --
     87
     85
     --
     29
     17
     --
     12 ← remainder
```

$$2579 \div 19 = 135 \text{ remainder } 14$$

```
      135
19 | 2579
    19
    --
     67
     57
     --
     109
     95
     --
     14 ← remainder
```

$$2579 \div 23 = 112 \text{ remainder } 3$$

```
      112
23 | 2579
    23
    --
     27
     23
     --
     49
     46
     --
     3 ← remainder
```

$$2579 \div 29 = 88 \text{ remainder } 27$$

$$\begin{array}{r} 88 \\ 29 \overline{) 2579} \\ \underline{232} \\ 259 \\ \underline{232} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2579 \div 31 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 31 \overline{) 2579} \\ \underline{248} \\ 99 \\ \underline{93} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2579 \div 37 = 69 \text{ remainder } 26$$

$$\begin{array}{r} 69 \\ 37 \overline{) 2579} \\ \underline{222} \\ 359 \\ \underline{333} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2579 \div 41 = 62 \text{ remainder } 37$$

$$\begin{array}{r} 62 \\ 41 \overline{) 2579} \\ \underline{246} \\ 119 \\ \underline{82} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2579 \div 43 = 59 \text{ remainder } 42$$

$$\begin{array}{r} 59 \\ 43 \overline{) 2579} \\ \underline{215} \\ 429 \\ \underline{387} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$2579 \div 47 = 54 \text{ remainder } 41$$

$$\begin{array}{r} 54 \\ 47 \overline{) 2579} \\ \underline{235} \\ 229 \\ \underline{188} \\ 41 \leftarrow \text{remainder} \end{array}$$

P₃₇₇ 2591

$$2591 \div 2 = 1295 \text{ remainder } 1$$

$$\begin{array}{r} 1295 \\ 2 \mid 2591 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 3 = 863 \text{ remainder } 2$$

$$\begin{array}{r} 863 \\ 3 \mid 2591 \\ \underline{24} \\ - \\ 19 \\ \underline{18} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 5 = 518 \text{ remainder } 1$$

$$\begin{array}{r} 518 \\ 5 \mid 2591 \\ \underline{25} \\ - \\ 9 \\ \underline{5} \\ - \end{array}$$

```

41
40
--
1 ← remainder

```

$$2591 \div 7 = 370 \text{ remainder } 1$$

```

      370
7 | 2591
  21
  --
   49
   49
   --
    1
    0
    -
    1 ← remainder

```

$$2591 \div 11 = 235 \text{ remainder } 6$$

```

      235
11 | 2591
   22
   --
   39
   33
   --
   61
   55
   --
    6 ← remainder

```

$$2591 \div 13 = 199 \text{ remainder } 4$$

```

      199
13 | 2591
   13
   --
   129
   117
   ---
    121
    117

```

4 ← remainder

$$2591 \div 17 = 152 \text{ remainder } 7$$

152
17 | 2591
17
--
89
85
--
41
34
--
7 ← remainder

$$2591 \div 19 = 136 \text{ remainder } 7$$

136
19 | 2591
19
--
69
57
--
121
114

7 ← remainder

$$2591 \div 23 = 112 \text{ remainder } 15$$

112
23 | 2591
23
--
29
23
--
61
46
--
15 ← remainder

$$2591 \div 29 = 89 \text{ remainder } 10$$

$$\begin{array}{r} 89 \\ 29 \overline{) 2591} \\ \underline{232} \\ 271 \\ \underline{261} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 31 = 83 \text{ remainder } 18$$

$$\begin{array}{r} 83 \\ 31 \overline{) 2591} \\ \underline{248} \\ 111 \\ \underline{93} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 37 = 70 \text{ remainder } 1$$

$$\begin{array}{r} 70 \\ 37 \overline{) 2591} \\ \underline{259} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 41 = 63 \text{ remainder } 8$$

$$\begin{array}{r} 63 \\ 41 \overline{) 2591} \\ \underline{246} \\ 131 \\ \underline{123} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 43 = 60 \text{ remainder } 11$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2591} \\ \underline{258} \\ 11 \\ 0 \\ - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2591 \div 47 = 55 \text{ remainder } 6$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2591} \\ \underline{235} \\ 241 \\ \underline{235} \\ 6 \leftarrow \text{remainder} \end{array}$$

P₃₇₈ 2593

$$2593 \div 2 = 1296 \text{ remainder } 1$$

$$\begin{array}{r} 1296 \\ 2 \mid 2593 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 3 = 864 \text{ remainder } 1$$

$$\begin{array}{r} 864 \\ 3 \mid 2593 \\ \underline{24} \\ - \\ 19 \\ \underline{18} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 5 = 518 \text{ remainder } 3$$

$$\begin{array}{r} 518 \\ 5 \mid 2593 \\ \underline{25} \\ - \\ 9 \\ \underline{5} \\ - \end{array}$$

```

43
40
--
3 ← remainder

```

$$2593 \div 7 = 370 \text{ remainder } 3$$

```

      370
7 | 2593
  21
  --
   49
   49
   --
    3
    0
    -
    3 ← remainder

```

$$2593 \div 11 = 235 \text{ remainder } 8$$

```

      235
11 | 2593
   22
   --
   39
   33
   --
   63
   55
   --
   8 ← remainder

```

$$2593 \div 13 = 199 \text{ remainder } 6$$

```

      199
13 | 2593
   13
   --
   129
   117
   ---
   123
   117

```

6 ← remainder

$$2593 \div 17 = 152 \text{ remainder } 9$$

$$\begin{array}{r} 152 \\ 17 \overline{) 2593} \\ \underline{17} \end{array}$$

--

89

85

--

43

34

--

9 ← remainder

$$2593 \div 19 = 136 \text{ remainder } 9$$

$$\begin{array}{r} 136 \\ 19 \overline{) 2593} \\ \underline{19} \end{array}$$

--

69

57

--

123

114

9 ← remainder

$$2593 \div 23 = 112 \text{ remainder } 17$$

$$\begin{array}{r} 112 \\ 23 \overline{) 2593} \\ \underline{23} \end{array}$$

--

29

23

--

63

46

--

17 ← remainder

$$2593 \div 29 = 89 \text{ remainder } 12$$

$$\begin{array}{r} 89 \\ 29 \overline{) 2593} \\ \underline{232} \\ 273 \\ \underline{261} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 31 = 83 \text{ remainder } 20$$

$$\begin{array}{r} 83 \\ 31 \overline{) 2593} \\ \underline{248} \\ 113 \\ \underline{93} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 37 = 70 \text{ remainder } 3$$

$$\begin{array}{r} 70 \\ 37 \overline{) 2593} \\ \underline{259} \\ 3 \\ \underline{0} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 41 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 41 \overline{) 2593} \\ \underline{246} \\ 133 \\ \underline{123} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 43 = 60 \text{ remainder } 13$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2593} \\ \underline{258} \\ 13 \\ 0 \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2593 \div 47 = 55 \text{ remainder } 8$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2593} \\ \underline{235} \\ 243 \\ \underline{235} \\ 8 \leftarrow \text{remainder} \end{array}$$

P₃₇₉ 2609

$$2609 \div 2 = 1304 \text{ remainder } 1$$

$$\begin{array}{r} 1304 \\ 2 \mid 2609 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2609 \div 3 = 869 \text{ remainder } 2$$

$$\begin{array}{r} 869 \\ 3 \mid 2609 \\ \underline{24} \\ - - \\ 20 \\ \underline{18} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2609 \div 5 = 521 \text{ remainder } 4$$

$$\begin{array}{r} 521 \\ 5 \mid 2609 \\ \underline{25} \\ - - \\ 10 \\ \underline{10} \\ - - \end{array}$$

```

  9
  5
  -
  4 ← remainder

```

$$2609 \div 7 = 372 \text{ remainder } 5$$

```

    372
7 | 2609
   21
   --
   50
   49
   --
   19
   14
   --
    5 ← remainder

```

$$2609 \div 11 = 237 \text{ remainder } 2$$

```

    237
11 | 2609
   22
   --
   40
   33
   --
   79
   77
   --
    2 ← remainder

```

$$2609 \div 13 = 200 \text{ remainder } 9$$

```

    200
13 | 2609
   26
   --
    0
    0
    -
    9
    0

```

-
9 ← remainder

$$2609 \div 17 = 153 \text{ remainder } 8$$

```
      153
17 | 2609
    17
    --
    90
    85
    --
    59
    51
    --
    8 ← remainder
```

$$2609 \div 19 = 137 \text{ remainder } 6$$

```
      137
19 | 2609
    19
    --
    70
    57
    --
    139
    133
    ---
    6 ← remainder
```

$$2609 \div 23 = 113 \text{ remainder } 10$$

```
      113
23 | 2609
    23
    --
    30
    23
    --
    79
    69
    --
    10 ← remainder
```

$$2609 \div 29 = 89 \text{ remainder } 28$$

$$\begin{array}{r} 89 \\ 29 \overline{) 2609} \\ \underline{232} \\ 289 \\ \underline{261} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2609 \div 31 = 84 \text{ remainder } 5$$

$$\begin{array}{r} 84 \\ 31 \overline{) 2609} \\ \underline{248} \\ 129 \\ \underline{124} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2609 \div 37 = 70 \text{ remainder } 19$$

$$\begin{array}{r} 70 \\ 37 \overline{) 2609} \\ \underline{259} \\ 19 \\ \underline{0} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2609 \div 41 = 63 \text{ remainder } 26$$

$$\begin{array}{r} 63 \\ 41 \overline{) 2609} \\ \underline{246} \\ 149 \\ \underline{123} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2609 \div 43 = 60 \text{ remainder } 29$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2609} \\ \underline{258} \\ 29 \\ 0 \\ - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2609 \div 47 = 55 \text{ remainder } 24$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2609} \\ \underline{235} \\ 259 \\ \underline{235} \\ 24 \leftarrow \text{remainder} \end{array}$$

P₃₈₀ 2617

$$2617 \div 2 = 1308 \text{ remainder } 1$$

$$\begin{array}{r} 1308 \\ 2 \overline{) 2617} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 10 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 3 = 872 \text{ remainder } 1$$

$$\begin{array}{r} 872 \\ 3 \overline{) 2617} \\ \underline{24} \\ -- \\ 21 \\ \underline{21} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 5 = 523 \text{ remainder } 2$$

$$\begin{array}{r} 523 \\ 5 \overline{) 2617} \\ \underline{25} \\ -- \\ 11 \\ \underline{10} \\ -- \end{array}$$

```

17
15
--
2 ← remainder

```

$$2617 \div 7 = 373 \text{ remainder } 6$$

```

      373
7 | 2617
   21
   --
   51
   49
   --
   27
   21
   --
   6 ← remainder

```

$$2617 \div 11 = 237 \text{ remainder } 10$$

```

      237
11 | 2617
   22
   --
   41
   33
   --
   87
   77
   --
   10 ← remainder

```

$$2617 \div 13 = 201 \text{ remainder } 4$$

```

      201
13 | 2617
   26
   --
    1
    0
    -
    17
    13

```

--
4 ← remainder

$$2617 \div 17 = 153 \text{ remainder } 16$$

153
17 | 2617
17
--
91
85
--
67
51
--
16 ← remainder

$$2617 \div 19 = 137 \text{ remainder } 14$$

137
19 | 2617
19
--
71
57
--
147
133

14 ← remainder

$$2617 \div 23 = 113 \text{ remainder } 18$$

113
23 | 2617
23
--
31
23
--
87
69
--
18 ← remainder

$$2617 \div 29 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 29 \mid 2617 \\ \underline{261} \\ 7 \\ 0 \\ - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 31 = 84 \text{ remainder } 13$$

$$\begin{array}{r} 84 \\ 31 \mid 2617 \\ \underline{248} \\ 137 \\ \underline{124} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 37 = 70 \text{ remainder } 27$$

$$\begin{array}{r} 70 \\ 37 \mid 2617 \\ \underline{259} \\ 27 \\ 0 \\ - \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 41 = 63 \text{ remainder } 34$$

$$\begin{array}{r} 63 \\ 41 \mid 2617 \\ \underline{246} \\ 157 \\ \underline{123} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 43 = 60 \text{ remainder } 37$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2617} \\ \underline{258} \\ 37 \\ 0 \\ - \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2617 \div 47 = 55 \text{ remainder } 32$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2617} \\ \underline{235} \\ 267 \\ \underline{235} \\ 32 \leftarrow \text{remainder} \end{array}$$

P₃₈₁ 2621

$$2621 \div 2 = 1310 \text{ remainder } 1$$

$$\begin{array}{r} 1310 \\ 2 \overline{) 2621} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 3 = 873 \text{ remainder } 2$$

$$\begin{array}{r} 873 \\ 3 \overline{) 2621} \\ \underline{24} \\ - - \\ 22 \\ \underline{21} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 5 = 524 \text{ remainder } 1$$

$$\begin{array}{r} 524 \\ 5 \overline{) 2621} \\ \underline{25} \\ - - \\ 12 \\ \underline{10} \\ - - \end{array}$$

21
 20
 --
 1 ← remainder

$$2621 \div 7 = 374 \text{ remainder } 3$$

374
 7 | 2621
 21
 --
 52
 49
 --
 31
 28
 --
 3 ← remainder

$$2621 \div 11 = 238 \text{ remainder } 3$$

238
 11 | 2621
 22
 --
 42
 33
 --
 91
 88
 --
 3 ← remainder

$$2621 \div 13 = 201 \text{ remainder } 8$$

201
 13 | 2621
 26
 --
 2
 0
 -
 21
 13

--
8 ← remainder

$$2621 \div 17 = 154 \text{ remainder } 3$$

154
17 | 2621
17
--
92
85
--
71
68
--
3 ← remainder

$$2621 \div 19 = 137 \text{ remainder } 18$$

137
19 | 2621
19
--
72
57
--
151
133

18 ← remainder

$$2621 \div 23 = 113 \text{ remainder } 22$$

113
23 | 2621
23
--
32
23
--
91
69
--
22 ← remainder

$$2621 \div 29 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 29 \overline{) 2621} \\ \underline{261} \\ 11 \\ 0 \\ - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 31 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 31 \overline{) 2621} \\ \underline{248} \\ 141 \\ \underline{124} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 37 = 70 \text{ remainder } 31$$

$$\begin{array}{r} 70 \\ 37 \overline{) 2621} \\ \underline{259} \\ 31 \\ 0 \\ - \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 41 = 63 \text{ remainder } 38$$

$$\begin{array}{r} 63 \\ 41 \overline{) 2621} \\ \underline{246} \\ 161 \\ \underline{123} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 43 = 60 \text{ remainder } 41$$

$$\begin{array}{r} 60 \\ 43 \overline{) 2621} \\ \underline{258} \\ 41 \\ 0 \\ - \\ 41 \leftarrow \text{remainder} \end{array}$$

$$2621 \div 47 = 55 \text{ remainder } 36$$

$$\begin{array}{r} 55 \\ 47 \overline{) 2621} \\ \underline{235} \\ 271 \\ \underline{235} \\ 36 \\ - \\ 36 \leftarrow \text{remainder} \end{array}$$

P₃₈₂ 2633

$$2633 \div 2 = 1316 \text{ remainder } 1$$

$$\begin{array}{r} 1316 \\ 2 \overline{) 2633} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 3 = 877 \text{ remainder } 2$$

$$\begin{array}{r} 877 \\ 3 \overline{) 2633} \\ \underline{24} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 5 = 526 \text{ remainder } 3$$

$$\begin{array}{r} 526 \\ 5 \overline{) 2633} \\ \underline{25} \\ - - \\ 13 \\ \underline{10} \\ - - \end{array}$$

```

33
30
--
3 ← remainder

```

$$2633 \div 7 = 376 \text{ remainder } 1$$

```

376
7 | 2633
  21
  --
  53
  49
  --
  43
  42
  --
  1 ← remainder

```

$$2633 \div 11 = 239 \text{ remainder } 4$$

```

239
11 | 2633
   22
   --
   43
   33
   --
  103
   99
   --
   4 ← remainder

```

$$2633 \div 13 = 202 \text{ remainder } 7$$

```

202
13 | 2633
   26
   --
    3
    0
    -
    33
    26

```

--
7 ← remainder

$$2633 \div 17 = 154 \text{ remainder } 15$$

154
17 | 2633
17
--
93
85
--
83
68
--
15 ← remainder

$$2633 \div 19 = 138 \text{ remainder } 11$$

138
19 | 2633
19
--
73
57
--
163
152

11 ← remainder

$$2633 \div 23 = 114 \text{ remainder } 11$$

114
23 | 2633
23
--
33
23
--
103
92
--
11 ← remainder

$$2633 \div 29 = 90 \text{ remainder } 23$$

$$\begin{array}{r} 90 \\ 29 \overline{) 2633} \\ \underline{261} \\ 23 \\ 0 \\ - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 31 = 84 \text{ remainder } 29$$

$$\begin{array}{r} 84 \\ 31 \overline{) 2633} \\ \underline{248} \\ 153 \\ \underline{124} \\ 29 \\ - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 37 = 71 \text{ remainder } 6$$

$$\begin{array}{r} 71 \\ 37 \overline{) 2633} \\ \underline{259} \\ 43 \\ \underline{37} \\ 6 \\ - \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 41 = 64 \text{ remainder } 9$$

$$\begin{array}{r} 64 \\ 41 \overline{) 2633} \\ \underline{246} \\ 173 \\ \underline{164} \\ 9 \\ - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2633 \div 43 = 61 \text{ remainder } 10$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2633} \\ \underline{258} \\ 53 \\ \underline{43} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2633 \div 47 = 56 \text{ remainder } 1$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2633} \\ \underline{235} \\ 283 \\ \underline{282} \\ 1 \end{array} \leftarrow \text{remainder}$$

P₃₈₃ 2647

$$2647 \div 2 = 1323 \text{ remainder } 1$$

$$\begin{array}{r} 1323 \\ 2 \mid 2647 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2647 \div 3 = 882 \text{ remainder } 1$$

$$\begin{array}{r} 882 \\ 3 \mid 2647 \\ \underline{24} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2647 \div 5 = 529 \text{ remainder } 2$$

$$\begin{array}{r} 529 \\ 5 \mid 2647 \\ \underline{25} \\ - - \\ 14 \\ \underline{10} \\ - - \end{array}$$


```

47
45
--
2 ← remainder

```

$$2647 \div 7 = 378 \text{ remainder } 1$$

```

      378
7 | 2647
  21
  --
   54
   49
   --
   57
   56
   --
   1 ← remainder

```

$$2647 \div 11 = 240 \text{ remainder } 7$$

```

      240
11 | 2647
   22
   --
   44
   44
   --
    7
    0
    -
    7 ← remainder

```

$$2647 \div 13 = 203 \text{ remainder } 8$$

```

      203
13 | 2647
   26
   --
    4
    0
    -
    47
    39

```

--
8 ← remainder

$$2647 \div 17 = 155 \text{ remainder } 12$$

155
17 | 2647
17
--
94
85
--
97
85
--
12 ← remainder

$$2647 \div 19 = 139 \text{ remainder } 6$$

139
19 | 2647
19
--
74
57
--
177
171

6 ← remainder

$$2647 \div 23 = 115 \text{ remainder } 2$$

115
23 | 2647
23
--
34
23
--
117
115

2 ← remainder

$$2647 \div 29 = 91 \text{ remainder } 8$$

$$\begin{array}{r}
 91 \\
 29 \mid 2647 \\
 \underline{261} \\
 37 \\
 \underline{29} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$2647 \div 31 = 85 \text{ remainder } 12$$

$$\begin{array}{r}
 85 \\
 31 \mid 2647 \\
 \underline{248} \\
 167 \\
 \underline{155} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2647 \div 37 = 71 \text{ remainder } 20$$

$$\begin{array}{r}
 71 \\
 37 \mid 2647 \\
 \underline{259} \\
 57 \\
 \underline{37} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2647 \div 41 = 64 \text{ remainder } 23$$

$$\begin{array}{r}
 64 \\
 41 \mid 2647 \\
 \underline{246} \\
 187 \\
 \underline{164} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2647 \div 43 = 61 \text{ remainder } 24$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2647} \\ \underline{258} \\ 67 \\ \underline{43} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$2647 \div 47 = 56 \text{ remainder } 15$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2647} \\ \underline{235} \\ 297 \\ \underline{282} \\ 15 \end{array} \leftarrow \text{remainder}$$

P₃₈₄ 2657

$$2657 \div 2 = 1328 \text{ remainder } 1$$

$$\begin{array}{r} 1328 \\ 2 \mid 2657 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2657 \div 3 = 885 \text{ remainder } 2$$

$$\begin{array}{r} 885 \\ 3 \mid 2657 \\ \underline{24} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2657 \div 5 = 531 \text{ remainder } 2$$

$$\begin{array}{r} 531 \\ 5 \mid 2657 \\ \underline{25} \\ -- \\ 15 \\ \underline{15} \\ -- \end{array}$$

```

7
5
-
2 ← remainder

```

$$2657 \div 7 = 379 \text{ remainder } 4$$

```

      379
7 | 2657
  21
  --
   55
   49
   --
   67
   63
   --
   4 ← remainder

```

$$2657 \div 11 = 241 \text{ remainder } 6$$

```

      241
11 | 2657
   22
   --
   45
   44
   --
   17
   11
   --
   6 ← remainder

```

$$2657 \div 13 = 204 \text{ remainder } 5$$

```

      204
13 | 2657
   26
   --
    5
    0
    -
   57
   52

```

--
5 ← remainder

$$2657 \div 17 = 156 \text{ remainder } 5$$

156
17 | 2657
17
--
95
85
--
107
102

5 ← remainder

$$2657 \div 19 = 139 \text{ remainder } 16$$

139
19 | 2657
19
--
75
57
--
187
171

16 ← remainder

$$2657 \div 23 = 115 \text{ remainder } 12$$

115
23 | 2657
23
--
35
23
--
127
115

12 ← remainder

$$2657 \div 29 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 29 \overline{) 2657} \\ \underline{261} \\ 47 \\ \underline{29} \\ 18 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 31 = 85 \text{ remainder } 22$$

$$\begin{array}{r} 85 \\ 31 \overline{) 2657} \\ \underline{248} \\ 177 \\ \underline{155} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 37 = 71 \text{ remainder } 30$$

$$\begin{array}{r} 71 \\ 37 \overline{) 2657} \\ \underline{259} \\ 67 \\ \underline{37} \\ 30 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 41 = 64 \text{ remainder } 33$$

$$\begin{array}{r} 64 \\ 41 \overline{) 2657} \\ \underline{246} \\ 197 \\ \underline{164} \\ 33 \end{array} \leftarrow \text{remainder}$$

$$2657 \div 43 = 61 \text{ remainder } 34$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2657} \\ \underline{258} \\ 77 \\ \underline{43} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2657 \div 47 = 56 \text{ remainder } 25$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2657} \\ \underline{235} \\ 307 \\ \underline{282} \\ 25 \leftarrow \text{remainder} \end{array}$$

P₃₈₅ 2659

$$2659 \div 2 = 1329 \text{ remainder } 1$$

$$\begin{array}{r} 1329 \\ 2 \overline{) 2659} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2659 \div 3 = 886 \text{ remainder } 1$$

$$\begin{array}{r} 886 \\ 3 \overline{) 2659} \\ \underline{24} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2659 \div 5 = 531 \text{ remainder } 4$$

$$\begin{array}{r} 531 \\ 5 \overline{) 2659} \\ \underline{25} \\ -- \\ 15 \\ \underline{15} \\ -- \end{array}$$

```

  9
  5
  -
  4 ← remainder

```

$$2659 \div 7 = 379 \text{ remainder } 6$$

```

    379
7 | 2659
   21
   --
   55
   49
   --
   69
   63
   --
   6 ← remainder

```

$$2659 \div 11 = 241 \text{ remainder } 8$$

```

    241
11 | 2659
   22
   --
   45
   44
   --
   19
   11
   --
   8 ← remainder

```

$$2659 \div 13 = 204 \text{ remainder } 7$$

```

    204
13 | 2659
   26
   --
    5
    0
    -
    59
    52

```

--
7 ← remainder

$$2659 \div 17 = 156 \text{ remainder } 7$$

156
17 | 2659
17
--
95
85
--
109
102

7 ← remainder

$$2659 \div 19 = 139 \text{ remainder } 18$$

139
19 | 2659
19
--
75
57
--
189
171

18 ← remainder

$$2659 \div 23 = 115 \text{ remainder } 14$$

115
23 | 2659
23
--
35
23
--
129
115

14 ← remainder

$$2659 \div 29 = 91 \text{ remainder } 20$$

$$\begin{array}{r} 91 \\ 29 \overline{) 2659} \\ \underline{261} \\ 49 \\ \underline{29} \\ 20 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 31 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 31 \overline{) 2659} \\ \underline{248} \\ 179 \\ \underline{155} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 37 = 71 \text{ remainder } 32$$

$$\begin{array}{r} 71 \\ 37 \overline{) 2659} \\ \underline{259} \\ 69 \\ \underline{37} \\ 32 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 41 = 64 \text{ remainder } 35$$

$$\begin{array}{r} 64 \\ 41 \overline{) 2659} \\ \underline{246} \\ 199 \\ \underline{164} \\ 35 \end{array} \leftarrow \text{remainder}$$

$$2659 \div 43 = 61 \text{ remainder } 36$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2659} \\ \underline{258} \\ 79 \\ \underline{43} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$2659 \div 47 = 56 \text{ remainder } 27$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2659} \\ \underline{235} \\ 309 \\ \underline{282} \\ 27 \leftarrow \text{remainder} \end{array}$$

P₃₈₆ 2663

$$2663 \div 2 = 1331 \text{ remainder } 1$$

$$\begin{array}{r} 1331 \\ 2 \overline{) 2663} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2663 \div 3 = 887 \text{ remainder } 2$$

$$\begin{array}{r} 887 \\ 3 \overline{) 2663} \\ \underline{24} \\ -- \\ 26 \\ \underline{24} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2663 \div 5 = 532 \text{ remainder } 3$$

$$\begin{array}{r} 532 \\ 5 \overline{) 2663} \\ \underline{25} \\ -- \\ 16 \\ \underline{15} \\ -- \end{array}$$

```

13
10
--
3 ← remainder

```

$$2663 \div 7 = 380 \text{ remainder } 3$$

```

      380
7 | 2663
  21
  --
   56
   56
   --
    3
    0
    -
    3 ← remainder

```

$$2663 \div 11 = 242 \text{ remainder } 1$$

```

      242
11 | 2663
   22
   --
   46
   44
   --
   23
   22
   --
    1 ← remainder

```

$$2663 \div 13 = 204 \text{ remainder } 11$$

```

      204
13 | 2663
   26
   --
    6
    0
    -
    63
    52

```


--
11 ← remainder

$$2663 \div 17 = 156 \text{ remainder } 11$$

156
17 | 2663
17
--
96
85
--
113
102

11 ← remainder

$$2663 \div 19 = 140 \text{ remainder } 3$$

140
19 | 2663
19
--
76
76
--
3
0
-
3 ← remainder

$$2663 \div 23 = 115 \text{ remainder } 18$$

115
23 | 2663
23
--
36
23
--
133
115

18 ← remainder

$$2663 \div 29 = 91 \text{ remainder } 24$$

$$\begin{array}{r} 91 \\ 29 \overline{) 2663} \\ \underline{261} \\ 53 \\ \underline{29} \\ 24 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 31 = 85 \text{ remainder } 28$$

$$\begin{array}{r} 85 \\ 31 \overline{) 2663} \\ \underline{248} \\ 183 \\ \underline{155} \\ 28 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 37 = 71 \text{ remainder } 36$$

$$\begin{array}{r} 71 \\ 37 \overline{) 2663} \\ \underline{259} \\ 73 \\ \underline{37} \\ 36 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 41 = 64 \text{ remainder } 39$$

$$\begin{array}{r} 64 \\ 41 \overline{) 2663} \\ \underline{246} \\ 203 \\ \underline{164} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 43 = 61 \text{ remainder } 40$$

$$\begin{array}{r} 61 \\ 43 \overline{) 2663} \\ \underline{258} \\ 83 \\ \underline{43} \\ 40 \end{array} \leftarrow \text{remainder}$$

$$2663 \div 47 = 56 \text{ remainder } 31$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2663} \\ \underline{235} \\ 313 \\ \underline{282} \\ 31 \end{array} \leftarrow \text{remainder}$$

P₃₈₇ 2671

$$2671 \div 2 = 1335 \text{ remainder } 1$$

$$\begin{array}{r} 1335 \\ 2 \overline{) 2671} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 3 = 890 \text{ remainder } 1$$

$$\begin{array}{r} 890 \\ 3 \overline{) 2671} \\ \underline{24} \\ - - \\ 27 \\ \underline{27} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 5 = 534 \text{ remainder } 1$$

$$\begin{array}{r} 534 \\ 5 \overline{) 2671} \\ \underline{25} \\ - - \\ 17 \\ \underline{15} \\ - - \end{array}$$

21
 20
 --
 1 ← remainder

$$2671 \div 7 = 381 \text{ remainder } 4$$

381
 7 | 2671
 21
 --
 57
 56
 --
 11
 7
 -
 4 ← remainder

$$2671 \div 11 = 242 \text{ remainder } 9$$

242
 11 | 2671
 22
 --
 47
 44
 --
 31
 22
 --
 9 ← remainder

$$2671 \div 13 = 205 \text{ remainder } 6$$

205
 13 | 2671
 26
 --
 7
 0
 -
 71
 65

--
6 ← remainder

$$2671 \div 17 = 157 \text{ remainder } 2$$

157
17 | 2671
17
--
97
85
--
121
119
--
2 ← remainder

$$2671 \div 19 = 140 \text{ remainder } 11$$

140
19 | 2671
19
--
77
76
--
11
0
-
11 ← remainder

$$2671 \div 23 = 116 \text{ remainder } 3$$

116
23 | 2671
23
--
37
23
--
141
138
--
3 ← remainder

$$2671 \div 29 = 92 \text{ remainder } 3$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2671} \\ \underline{261} \\ 61 \\ \underline{58} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 31 = 86 \text{ remainder } 5$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2671} \\ \underline{248} \\ 191 \\ \underline{186} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 37 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2671} \\ \underline{259} \\ 81 \\ \underline{74} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 41 = 65 \text{ remainder } 6$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2671} \\ \underline{246} \\ 211 \\ \underline{205} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 43 = 62 \text{ remainder } 5$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2671} \\ \underline{258} \\ 91 \\ \underline{86} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2671 \div 47 = 56 \text{ remainder } 39$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2671} \\ \underline{235} \\ 321 \\ \underline{282} \\ 39 \leftarrow \text{remainder} \end{array}$$

P₃₈₈ 2677

$$2677 \div 2 = 1338 \text{ remainder } 1$$

$$\begin{array}{r} 1338 \\ 2 \overline{) 2677} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 3 = 892 \text{ remainder } 1$$

$$\begin{array}{r} 892 \\ 3 \overline{) 2677} \\ \underline{24} \\ -- \\ 27 \\ \underline{27} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 5 = 535 \text{ remainder } 2$$

$$\begin{array}{r} 535 \\ 5 \overline{) 2677} \\ \underline{25} \\ -- \\ 17 \\ \underline{15} \\ -- \end{array}$$

```

27
25
--
2 ← remainder

```

$$2677 \div 7 = 382 \text{ remainder } 3$$

```

      382
7 | 2677
  21
  --
   57
   56
   --
   17
   14
   --
   3 ← remainder

```

$$2677 \div 11 = 243 \text{ remainder } 4$$

```

      243
11 | 2677
   22
   --
   47
   44
   --
   37
   33
   --
   4 ← remainder

```

$$2677 \div 13 = 205 \text{ remainder } 12$$

```

      205
13 | 2677
   26
   --
    7
    0
    -
   77
   65

```

--
12 ← remainder

$$2677 \div 17 = 157 \text{ remainder } 8$$

157
17 | 2677
17
--
97
85
--
127
119

8 ← remainder

$$2677 \div 19 = 140 \text{ remainder } 17$$

140
19 | 2677
19
--
77
76
--
17
0
-
17 ← remainder

$$2677 \div 23 = 116 \text{ remainder } 9$$

116
23 | 2677
23
--
37
23
--
147
138

9 ← remainder

$$2677 \div 29 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2677} \\ \underline{261} \\ 67 \\ \underline{58} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 31 = 86 \text{ remainder } 11$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2677} \\ \underline{248} \\ 197 \\ \underline{186} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 37 = 72 \text{ remainder } 13$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2677} \\ \underline{259} \\ 87 \\ \underline{74} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 41 = 65 \text{ remainder } 12$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2677} \\ \underline{246} \\ 217 \\ \underline{205} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 43 = 62 \text{ remainder } 11$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2677} \\ \underline{258} \\ 97 \\ \underline{86} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2677 \div 47 = 56 \text{ remainder } 45$$

$$\begin{array}{r} 56 \\ 47 \overline{) 2677} \\ \underline{235} \\ 327 \\ \underline{282} \\ 45 \leftarrow \text{remainder} \end{array}$$

P₃₈₉ 2683

$$2683 \div 2 = 1341 \text{ remainder } 1$$

$$\begin{array}{r} 1341 \\ 2 \overline{) 2683} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 3 = 894 \text{ remainder } 1$$

$$\begin{array}{r} 894 \\ 3 \overline{) 2683} \\ \underline{24} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 5 = 536 \text{ remainder } 3$$

$$\begin{array}{r} 536 \\ 5 \overline{) 2683} \\ \underline{25} \\ -- \\ 18 \\ \underline{15} \\ -- \end{array}$$

```

33
30
--
3 ← remainder

```

$$2683 \div 7 = 383 \text{ remainder } 2$$

```

      383
7 | 2683
  21
  --
   58
  56
  --
   23
  21
  --
   2 ← remainder

```

$$2683 \div 11 = 243 \text{ remainder } 10$$

```

      243
11 | 2683
   22
   --
   48
   44
   --
   43
   33
   --
  10 ← remainder

```

$$2683 \div 13 = 206 \text{ remainder } 5$$

```

      206
13 | 2683
   26
   --
    8
    0
    -
   83
   78

```

--
5 ← remainder

$$2683 \div 17 = 157 \text{ remainder } 14$$

```
      157
17 | 2683
    17
    --
    98
    85
    --
    133
    119
    ---
    14 ← remainder
```

$$2683 \div 19 = 141 \text{ remainder } 4$$

```
      141
19 | 2683
    19
    --
    78
    76
    --
    23
    19
    --
    4 ← remainder
```

$$2683 \div 23 = 116 \text{ remainder } 15$$

```
      116
23 | 2683
    23
    --
    38
    23
    --
    153
    138
    ---
    15 ← remainder
```


$$2683 \div 29 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2683} \\ \underline{261} \\ 73 \\ \underline{58} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 31 = 86 \text{ remainder } 17$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2683} \\ \underline{248} \\ 203 \\ \underline{186} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 37 = 72 \text{ remainder } 19$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2683} \\ \underline{259} \\ 93 \\ \underline{74} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 41 = 65 \text{ remainder } 18$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2683} \\ \underline{246} \\ 223 \\ \underline{205} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2683 \div 43 = 62 \text{ remainder } 17$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2683} \\ \underline{258} \\ 103 \\ \underline{86} \\ 17 \end{array} \leftarrow \text{remainder}$$

$$2683 \div 47 = 57 \text{ remainder } 4$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2683} \\ \underline{235} \\ 333 \\ \underline{329} \\ 4 \end{array} \leftarrow \text{remainder}$$

P₃₉₀ 2687

$$2687 \div 2 = 1343 \text{ remainder } 1$$

$$\begin{array}{r} 1343 \\ 2 \overline{) 2687} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2687 \div 3 = 895 \text{ remainder } 2$$

$$\begin{array}{r} 895 \\ 3 \overline{) 2687} \\ \underline{24} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2687 \div 5 = 537 \text{ remainder } 2$$

$$\begin{array}{r} 537 \\ 5 \overline{) 2687} \\ \underline{25} \\ -- \\ 18 \\ \underline{15} \\ -- \end{array}$$

```

37
35
--
2 ← remainder

```

$$2687 \div 7 = 383 \text{ remainder } 6$$

```

      383
7 | 2687
  21
  --
   58
  56
  --
   27
  21
  --
    6 ← remainder

```

$$2687 \div 11 = 244 \text{ remainder } 3$$

```

      244
11 | 2687
   22
   --
    48
   44
   --
    47
   44
   --
    3 ← remainder

```

$$2687 \div 13 = 206 \text{ remainder } 9$$

```

      206
13 | 2687
   26
   --
    8
    0
    -
    87
   78

```

--
9 ← remainder

$$2687 \div 17 = 158 \text{ remainder } 1$$

158
17 | 2687
17
--
98
85
--
137
136

1 ← remainder

$$2687 \div 19 = 141 \text{ remainder } 8$$

141
19 | 2687
19
--
78
76
--
27
19
--
8 ← remainder

$$2687 \div 23 = 116 \text{ remainder } 19$$

116
23 | 2687
23
--
38
23
--
157
138

19 ← remainder

$$2687 \div 29 = 92 \text{ remainder } 19$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2687} \\ \underline{261} \\ 77 \\ \underline{58} \\ 19 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 31 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2687} \\ \underline{248} \\ 207 \\ \underline{186} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 37 = 72 \text{ remainder } 23$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2687} \\ \underline{259} \\ 97 \\ \underline{74} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 41 = 65 \text{ remainder } 22$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2687} \\ \underline{246} \\ 227 \\ \underline{205} \\ 22 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 43 = 62 \text{ remainder } 21$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2687} \\ \underline{258} \\ 107 \\ \underline{86} \\ 21 \end{array} \leftarrow \text{remainder}$$

$$2687 \div 47 = 57 \text{ remainder } 8$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2687} \\ \underline{235} \\ 337 \\ \underline{329} \\ 8 \end{array} \leftarrow \text{remainder}$$

P₃₉₁ 2689

$$2689 \div 2 = 1344 \text{ remainder } 1$$

$$\begin{array}{r} 1344 \\ 2 \overline{) 2689} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 3 = 896 \text{ remainder } 1$$

$$\begin{array}{r} 896 \\ 3 \overline{) 2689} \\ \underline{24} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 5 = 537 \text{ remainder } 4$$

$$\begin{array}{r} 537 \\ 5 \overline{) 2689} \\ \underline{25} \\ -- \\ 18 \\ \underline{15} \\ -- \end{array}$$


```

39
35
--
4 ← remainder

```

$$2689 \div 7 = 384 \text{ remainder } 1$$

```

      384
7 | 2689
  21
  --
   58
   56
   --
   29
   28
   --
   1 ← remainder

```

$$2689 \div 11 = 244 \text{ remainder } 5$$

```

      244
11 | 2689
   22
   --
   48
   44
   --
   49
   44
   --
   5 ← remainder

```

$$2689 \div 13 = 206 \text{ remainder } 11$$

```

      206
13 | 2689
   26
   --
    8
    0
    -
   89
   78

```

--
11 ← remainder

$$2689 \div 17 = 158 \text{ remainder } 3$$

158
17 | 2689
17
--
98
85
--
139
136

3 ← remainder

$$2689 \div 19 = 141 \text{ remainder } 10$$

141
19 | 2689
19
--
78
76
--
29
19
--
10 ← remainder

$$2689 \div 23 = 116 \text{ remainder } 21$$

116
23 | 2689
23
--
38
23
--
159
138

21 ← remainder

$$2689 \div 29 = 92 \text{ remainder } 21$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2689} \\ \underline{261} \\ 79 \\ \underline{58} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 31 = 86 \text{ remainder } 23$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2689} \\ \underline{248} \\ 209 \\ \underline{186} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 37 = 72 \text{ remainder } 25$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2689} \\ \underline{259} \\ 99 \\ \underline{74} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 41 = 65 \text{ remainder } 24$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2689} \\ \underline{246} \\ 229 \\ \underline{205} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 43 = 62 \text{ remainder } 23$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2689} \\ \underline{258} \\ 109 \\ \underline{86} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2689 \div 47 = 57 \text{ remainder } 10$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2689} \\ \underline{235} \\ 339 \\ \underline{329} \\ 10 \leftarrow \text{remainder} \end{array}$$

P₃₉₂ 2693

$$2693 \div 2 = 1346 \text{ remainder } 1$$

$$\begin{array}{r} 1346 \\ 2 \mid 2693 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 3 = 897 \text{ remainder } 2$$

$$\begin{array}{r} 897 \\ 3 \mid 2693 \\ \underline{24} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 5 = 538 \text{ remainder } 3$$

$$\begin{array}{r} 538 \\ 5 \mid 2693 \\ \underline{25} \\ - - \\ 19 \\ \underline{15} \\ - - \end{array}$$

```

43
40
--
3 ← remainder

```

$$2693 \div 7 = 384 \text{ remainder } 5$$

```

      384
7 | 2693
  21
  --
   59
   56
   --
   33
   28
   --
   5 ← remainder

```

$$2693 \div 11 = 244 \text{ remainder } 9$$

```

      244
11 | 2693
   22
   --
   49
   44
   --
   53
   44
   --
   9 ← remainder

```

$$2693 \div 13 = 207 \text{ remainder } 2$$

```

      207
13 | 2693
   26
   --
    9
    0
    -
   93
   91

```

--
2 ← remainder

$$2693 \div 17 = 158 \text{ remainder } 7$$

158
17 | 2693
17
--
99
85
--
143
136

7 ← remainder

$$2693 \div 19 = 141 \text{ remainder } 14$$

141
19 | 2693
19
--
79
76
--
33
19
--
14 ← remainder

$$2693 \div 23 = 117 \text{ remainder } 2$$

117
23 | 2693
23
--
39
23
--
163
161

2 ← remainder

$$2693 \div 29 = 92 \text{ remainder } 25$$

$$\begin{array}{r} 92 \\ 29 \overline{) 2693} \\ \underline{261} \\ 83 \\ \underline{58} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 31 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 31 \overline{) 2693} \\ \underline{248} \\ 213 \\ \underline{186} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 37 = 72 \text{ remainder } 29$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2693} \\ \underline{259} \\ 103 \\ \underline{74} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 41 = 65 \text{ remainder } 28$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2693} \\ \underline{246} \\ 233 \\ \underline{205} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2693 \div 43 = 62 \text{ remainder } 27$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2693} \\ \underline{258} \\ 113 \\ \underline{86} \\ 27 \end{array} \leftarrow \text{remainder}$$

$$2693 \div 47 = 57 \text{ remainder } 14$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2693} \\ \underline{235} \\ 343 \\ \underline{329} \\ 14 \end{array} \leftarrow \text{remainder}$$

P₃₉₃ 2699

$$2699 \div 2 = 1349 \text{ remainder } 1$$

$$\begin{array}{r} 1349 \\ 2 \overline{) 2699} \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 3 = 899 \text{ remainder } 2$$

$$\begin{array}{r} 899 \\ 3 \overline{) 2699} \\ \underline{24} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 5 = 539 \text{ remainder } 4$$

$$\begin{array}{r} 539 \\ 5 \overline{) 2699} \\ \underline{25} \\ -- \\ 19 \\ \underline{15} \\ -- \end{array}$$

```

49
45
--
4 ← remainder

```

$$2699 \div 7 = 385 \text{ remainder } 4$$

```

      385
7 | 2699
  21
  --
   59
  56
  --
   39
  35
  --
   4 ← remainder

```

$$2699 \div 11 = 245 \text{ remainder } 4$$

```

      245
11 | 2699
   22
   --
   49
   44
   --
   59
   55
   --
   4 ← remainder

```

$$2699 \div 13 = 207 \text{ remainder } 8$$

```

      207
13 | 2699
   26
   --
    9
    0
    -
   99
   91

```

--
8 ← remainder

$$2699 \div 17 = 158 \text{ remainder } 13$$

158
17 | 2699
17
--
99
85
--
149
136

13 ← remainder

$$2699 \div 19 = 142 \text{ remainder } 1$$

142
19 | 2699
19
--
79
76
--
39
38
--
1 ← remainder

$$2699 \div 23 = 117 \text{ remainder } 8$$

117
23 | 2699
23
--
39
23
--
169
161

8 ← remainder

$$2699 \div 29 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 29 \overline{) 2699} \\ \underline{261} \\ 89 \\ \underline{87} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 31 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 31 \overline{) 2699} \\ \underline{248} \\ 219 \\ \underline{217} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 37 = 72 \text{ remainder } 35$$

$$\begin{array}{r} 72 \\ 37 \overline{) 2699} \\ \underline{259} \\ 109 \\ \underline{74} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 41 = 65 \text{ remainder } 34$$

$$\begin{array}{r} 65 \\ 41 \overline{) 2699} \\ \underline{246} \\ 239 \\ \underline{205} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 43 = 62 \text{ remainder } 33$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2699} \\ \underline{258} \\ 119 \\ \underline{86} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$2699 \div 47 = 57 \text{ remainder } 20$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2699} \\ \underline{235} \\ 349 \\ \underline{329} \\ 20 \leftarrow \text{remainder} \end{array}$$

P₃₉₄ 2707

$$2707 \div 2 = 1353 \text{ remainder } 1$$

$$\begin{array}{r} 1353 \\ 2 \mid 2707 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2707 \div 3 = 902 \text{ remainder } 1$$

$$\begin{array}{r} 902 \\ 3 \mid 2707 \\ \underline{27} \\ - - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2707 \div 5 = 541 \text{ remainder } 2$$

$$\begin{array}{r} 541 \\ 5 \mid 2707 \\ \underline{25} \\ - - \\ 20 \\ \underline{20} \\ - - \end{array}$$

```

7
5
-
2 ← remainder

```

$$2707 \div 7 = 386 \text{ remainder } 5$$

```

      386
7 | 2707
  21
  --
   60
   56
   --
   47
   42
   --
    5 ← remainder

```

$$2707 \div 11 = 246 \text{ remainder } 1$$

```

      246
11 | 2707
   22
   --
   50
   44
   --
   67
   66
   --
    1 ← remainder

```

$$2707 \div 13 = 208 \text{ remainder } 3$$

```

      208
13 | 2707
   26
   --
   10
   0
   -
   107
   104

```

3 ← remainder

$$2707 \div 17 = 159 \text{ remainder } 4$$

159
17 | 2707
17
--
100
85
--
157
153

4 ← remainder

$$2707 \div 19 = 142 \text{ remainder } 9$$

142
19 | 2707
19
--
80
76
--
47
38
--
9 ← remainder

$$2707 \div 23 = 117 \text{ remainder } 16$$

117
23 | 2707
23
--
40
23
--
177
161

16 ← remainder

$$2707 \div 29 = 93 \text{ remainder } 10$$

$$\begin{array}{r} 93 \\ 29 \overline{) 2707} \\ \underline{261} \\ 97 \\ \underline{87} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 31 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 31 \overline{) 2707} \\ \underline{248} \\ 227 \\ \underline{217} \\ 10 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 37 = 73 \text{ remainder } 6$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2707} \\ \underline{259} \\ 117 \\ \underline{111} \\ 6 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 41 = 66 \text{ remainder } 1$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2707} \\ \underline{246} \\ 247 \\ \underline{246} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$2707 \div 43 = 62 \text{ remainder } 41$$

$$\begin{array}{r} 62 \\ 43 \overline{) 2707} \\ \underline{258} \\ 127 \\ \underline{86} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$2707 \div 47 = 57 \text{ remainder } 28$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2707} \\ \underline{235} \\ 357 \\ \underline{329} \\ 28 \leftarrow \text{remainder} \end{array}$$

P₃₉₅ 2711

$$2711 \div 2 = 1355 \text{ remainder } 1$$

$$\begin{array}{r} 1355 \\ 2 \mid 2711 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2711 \div 3 = 903 \text{ remainder } 2$$

$$\begin{array}{r} 903 \\ 3 \mid 2711 \\ \underline{27} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2711 \div 5 = 542 \text{ remainder } 1$$

$$\begin{array}{r} 542 \\ 5 \mid 2711 \\ \underline{25} \\ - \\ 21 \\ \underline{20} \\ - \end{array}$$

```

11
10
--
1 ← remainder

```

$$2711 \div 7 = 387 \text{ remainder } 2$$

```

      387
7 | 2711
  21
  --
   61
   56
   --
   51
   49
   --
   2 ← remainder

```

$$2711 \div 11 = 246 \text{ remainder } 5$$

```

      246
11 | 2711
   22
   --
   51
   44
   --
   71
   66
   --
   5 ← remainder

```

$$2711 \div 13 = 208 \text{ remainder } 7$$

```

      208
13 | 2711
   26
   --
   11
   0
   -
   111
   104

```

7 ← remainder

$$2711 \div 17 = 159 \text{ remainder } 8$$

159
17 | 2711
17
--
101
85
--
161
153

8 ← remainder

$$2711 \div 19 = 142 \text{ remainder } 13$$

142
19 | 2711
19
--
81
76
--
51
38
--
13 ← remainder

$$2711 \div 23 = 117 \text{ remainder } 20$$

117
23 | 2711
23
--
41
23
--
181
161

20 ← remainder

$$2711 \div 29 = 93 \text{ remainder } 14$$

$$\begin{array}{r}
 93 \\
 29 \mid 2711 \\
 \underline{261} \\
 101 \\
 \underline{87} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$2711 \div 31 = 87 \text{ remainder } 14$$

$$\begin{array}{r}
 87 \\
 31 \mid 2711 \\
 \underline{248} \\
 231 \\
 \underline{217} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$2711 \div 37 = 73 \text{ remainder } 10$$

$$\begin{array}{r}
 73 \\
 37 \mid 2711 \\
 \underline{259} \\
 121 \\
 \underline{111} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2711 \div 41 = 66 \text{ remainder } 5$$

$$\begin{array}{r}
 66 \\
 41 \mid 2711 \\
 \underline{246} \\
 251 \\
 \underline{246} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2711 \div 43 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2711} \\ \underline{258} \\ 131 \\ \underline{129} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2711 \div 47 = 57 \text{ remainder } 32$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2711} \\ \underline{235} \\ 361 \\ \underline{329} \\ 32 \leftarrow \text{remainder} \end{array}$$

P₃₉₆ 2713

$$2713 \div 2 = 1356 \text{ remainder } 1$$

$$\begin{array}{r} 1356 \\ 2 \mid 2713 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2713 \div 3 = 904 \text{ remainder } 1$$

$$\begin{array}{r} 904 \\ 3 \mid 2713 \\ \underline{27} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2713 \div 5 = 542 \text{ remainder } 3$$

$$\begin{array}{r} 542 \\ 5 \mid 2713 \\ \underline{25} \\ - \\ 21 \\ \underline{20} \\ - \end{array}$$

```

13
10
--
3 ← remainder

```

$$2713 \div 7 = 387 \text{ remainder } 4$$

```

      387
7 | 2713
  21
  --
   61
   56
   --
   53
   49
   --
   4 ← remainder

```

$$2713 \div 11 = 246 \text{ remainder } 7$$

```

      246
11 | 2713
   22
   --
   51
   44
   --
   73
   66
   --
   7 ← remainder

```

$$2713 \div 13 = 208 \text{ remainder } 9$$

```

      208
13 | 2713
   26
   --
   11
   0
   -
   113
   104

```

9 ← remainder

$$2713 \div 17 = 159 \text{ remainder } 10$$

```
      159
17 | 2713
    17
    --
    101
    85
    --
    163
    153
    ---
    10 ← remainder
```

$$2713 \div 19 = 142 \text{ remainder } 15$$

```
      142
19 | 2713
    19
    --
    81
    76
    --
    53
    38
    --
    15 ← remainder
```

$$2713 \div 23 = 117 \text{ remainder } 22$$

```
      117
23 | 2713
    23
    --
    41
    23
    --
    183
    161
    ---
    22 ← remainder
```

$$2713 \div 29 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 29 \overline{) 2713} \\ \underline{261} \\ 103 \\ \underline{87} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 31 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 31 \overline{) 2713} \\ \underline{248} \\ 233 \\ \underline{217} \\ 16 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 37 = 73 \text{ remainder } 12$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2713} \\ \underline{259} \\ 123 \\ \underline{111} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 41 = 66 \text{ remainder } 7$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2713} \\ \underline{246} \\ 253 \\ \underline{246} \\ 7 \end{array} \leftarrow \text{remainder}$$

$$2713 \div 43 = 63 \text{ remainder } 4$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2713} \\ \underline{258} \\ 133 \\ \underline{129} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2713 \div 47 = 57 \text{ remainder } 34$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2713} \\ \underline{235} \\ 363 \\ \underline{329} \\ 34 \leftarrow \text{remainder} \end{array}$$

P₃₉₇ 2719

$$2719 \div 2 = 1359 \text{ remainder } 1$$

$$\begin{array}{r} 1359 \\ 2 \overline{) 2719} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2719 \div 3 = 906 \text{ remainder } 1$$

$$\begin{array}{r} 906 \\ 3 \overline{) 2719} \\ \underline{27} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2719 \div 5 = 543 \text{ remainder } 4$$

$$\begin{array}{r} 543 \\ 5 \overline{) 2719} \\ \underline{25} \\ - \\ 21 \\ \underline{20} \\ - \end{array}$$

19
15
--
4 ← remainder

$$2719 \div 7 = 388 \text{ remainder } 3$$

388
7 | 2719
21
--
61
56
--
59
56
--
3 ← remainder

$$2719 \div 11 = 247 \text{ remainder } 2$$

247
11 | 2719
22
--
51
44
--
79
77
--
2 ← remainder

$$2719 \div 13 = 209 \text{ remainder } 2$$

209
13 | 2719
26
--
11
0
-
119
117

2 ← remainder

$$2719 \div 17 = 159 \text{ remainder } 16$$

```
      159
17 | 2719
    17
    --
    101
    85
    --
    169
    153
    ---
    16 ← remainder
```

$$2719 \div 19 = 143 \text{ remainder } 2$$

```
      143
19 | 2719
    19
    --
    81
    76
    --
    59
    57
    --
    2 ← remainder
```

$$2719 \div 23 = 118 \text{ remainder } 5$$

```
      118
23 | 2719
    23
    --
    41
    23
    --
    189
    184
    ---
    5 ← remainder
```


$$2719 \div 29 = 93 \text{ remainder } 22$$

$$\begin{array}{r}
 93 \\
 29 \mid 2719 \\
 \underline{261} \\
 109 \\
 \underline{87} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2719 \div 31 = 87 \text{ remainder } 22$$

$$\begin{array}{r}
 87 \\
 31 \mid 2719 \\
 \underline{248} \\
 239 \\
 \underline{217} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2719 \div 37 = 73 \text{ remainder } 18$$

$$\begin{array}{r}
 73 \\
 37 \mid 2719 \\
 \underline{259} \\
 129 \\
 \underline{111} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2719 \div 41 = 66 \text{ remainder } 13$$

$$\begin{array}{r}
 66 \\
 41 \mid 2719 \\
 \underline{246} \\
 259 \\
 \underline{246} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2719 \div 43 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2719} \\ \underline{258} \\ 139 \\ \underline{129} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$2719 \div 47 = 57 \text{ remainder } 40$$

$$\begin{array}{r} 57 \\ 47 \overline{) 2719} \\ \underline{235} \\ 369 \\ \underline{329} \\ 40 \leftarrow \text{remainder} \end{array}$$

P₃₉₈ 2729

$$2729 \div 2 = 1364 \text{ remainder } 1$$

$$\begin{array}{r} 1364 \\ 2 \overline{) 2729} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2729 \div 3 = 909 \text{ remainder } 2$$

$$\begin{array}{r} 909 \\ 3 \overline{) 2729} \\ \underline{27} \\ - - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2729 \div 5 = 545 \text{ remainder } 4$$

$$\begin{array}{r} 545 \\ 5 \overline{) 2729} \\ \underline{25} \\ - - \\ 22 \\ \underline{20} \\ - - \end{array}$$

```

29
25
--
4 ← remainder

```

$$2729 \div 7 = 389 \text{ remainder } 6$$

```

      389
7 | 2729
  21
  --
   62
   56
   --
   69
   63
   --
   6 ← remainder

```

$$2729 \div 11 = 248 \text{ remainder } 1$$

```

      248
11 | 2729
   22
   --
   52
   44
   --
   89
   88
   --
   1 ← remainder

```

$$2729 \div 13 = 209 \text{ remainder } 12$$

```

      209
13 | 2729
   26
   --
   12
   0
   -
   129
   117

```

12 ← remainder

$$2729 \div 17 = 160 \text{ remainder } 9$$

```
      160
17 | 2729
    17
    --
    102
    102
    ---
     9
     0
     -
     9 ← remainder
```

$$2729 \div 19 = 143 \text{ remainder } 12$$

```
      143
19 | 2729
    19
    --
    82
    76
    --
    69
    57
    --
    12 ← remainder
```

$$2729 \div 23 = 118 \text{ remainder } 15$$

```
      118
23 | 2729
    23
    --
    42
    23
    --
    199
    184
    ---
    15 ← remainder
```

$$2729 \div 29 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2729} \\ \underline{261} \\ 119 \\ \underline{116} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2729 \div 31 = 88 \text{ remainder } 1$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2729} \\ \underline{248} \\ 249 \\ \underline{248} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2729 \div 37 = 73 \text{ remainder } 28$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2729} \\ \underline{259} \\ 139 \\ \underline{111} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2729 \div 41 = 66 \text{ remainder } 23$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2729} \\ \underline{246} \\ 269 \\ \underline{246} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2729 \div 43 = 63 \text{ remainder } 20$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2729} \\ \underline{258} \\ 149 \\ \underline{129} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2729 \div 47 = 58 \text{ remainder } 3$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2729} \\ \underline{235} \\ 379 \\ \underline{376} \\ 3 \leftarrow \text{remainder} \end{array}$$

P₃₉₉ 2731

$$2731 \div 2 = 1365 \text{ remainder } 1$$

$$\begin{array}{r} 1365 \\ 2 \mid 2731 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2731 \div 3 = 910 \text{ remainder } 1$$

$$\begin{array}{r} 910 \\ 3 \mid 2731 \\ \underline{27} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2731 \div 5 = 546 \text{ remainder } 1$$

$$\begin{array}{r} 546 \\ 5 \mid 2731 \\ \underline{25} \\ - \\ 23 \\ \underline{20} \\ - \end{array}$$


```

31
30
--
1 ← remainder

```

$$2731 \div 7 = 390 \text{ remainder } 1$$

```

    390
7 | 2731
  21
  --
   63
   63
   --
    1
    0
    -
    1 ← remainder

```

$$2731 \div 11 = 248 \text{ remainder } 3$$

```

    248
11 | 2731
   22
   --
   53
   44
   --
   91
   88
   --
    3 ← remainder

```

$$2731 \div 13 = 210 \text{ remainder } 1$$

```

    210
13 | 2731
   26
   --
   13
   13
   --
    1
    0

```

-
1 ← remainder

$$2731 \div 17 = 160 \text{ remainder } 11$$

```
      160
17 | 2731
    17
    --
    103
    102
    ---
     11
     0
     -
     11 ← remainder
```

$$2731 \div 19 = 143 \text{ remainder } 14$$

```
      143
19 | 2731
    19
    --
     83
     76
     --
      71
      57
      --
      14 ← remainder
```

$$2731 \div 23 = 118 \text{ remainder } 17$$

```
      118
23 | 2731
    23
    --
     43
     23
     --
     201
     184
     ---
      17 ← remainder
```

$$2731 \div 29 = 94 \text{ remainder } 5$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2731} \\ \underline{261} \\ 121 \\ \underline{116} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2731 \div 31 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2731} \\ \underline{248} \\ 251 \\ \underline{248} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2731 \div 37 = 73 \text{ remainder } 30$$

$$\begin{array}{r} 73 \\ 37 \overline{) 2731} \\ \underline{259} \\ 141 \\ \underline{111} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2731 \div 41 = 66 \text{ remainder } 25$$

$$\begin{array}{r} 66 \\ 41 \overline{) 2731} \\ \underline{246} \\ 271 \\ \underline{246} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2731 \div 43 = 63 \text{ remainder } 22$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2731} \\ \underline{258} \\ 151 \\ \underline{129} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2731 \div 47 = 58 \text{ remainder } 5$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2731} \\ \underline{235} \\ 381 \\ \underline{376} \\ 5 \leftarrow \text{remainder} \end{array}$$

P₄₀₀ 2741

$$2741 \div 2 = 1370 \text{ remainder } 1$$

$$\begin{array}{r} 1370 \\ 2 \mid 2741 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2741 \div 3 = 913 \text{ remainder } 2$$

$$\begin{array}{r} 913 \\ 3 \mid 2741 \\ \underline{27} \\ - - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2741 \div 5 = 548 \text{ remainder } 1$$

$$\begin{array}{r} 548 \\ 5 \mid 2741 \\ \underline{25} \\ - - \\ 24 \\ \underline{20} \\ - - \end{array}$$

41
 40
 --
 1 \leftarrow remainder

$$2741 \div 7 = 391 \text{ remainder } 4$$

391
 7 | 2741
 21
 --
 64
 63
 --
 11
 7
 -
 4 \leftarrow remainder

$$2741 \div 11 = 249 \text{ remainder } 2$$

249
 11 | 2741
 22
 --
 54
 44
 --
 101
 99
 --
 2 \leftarrow remainder

$$2741 \div 13 = 210 \text{ remainder } 11$$

210
 13 | 2741
 26
 --
 14
 13
 --
 11
 0

-
11 ← remainder

$$2741 \div 17 = 161 \text{ remainder } 4$$

```
      161
17 | 2741
    17
    --
    104
    102
    ---
     21
     17
     --
      4 ← remainder
```

$$2741 \div 19 = 144 \text{ remainder } 5$$

```
      144
19 | 2741
    19
    --
    84
    76
    --
    81
    76
    --
     5 ← remainder
```

$$2741 \div 23 = 119 \text{ remainder } 4$$

```
      119
23 | 2741
    23
    --
    44
    23
    --
    211
    207
    ---
     4 ← remainder
```

$$2741 \div 29 = 94 \text{ remainder } 15$$

$$\begin{array}{r}
 94 \\
 29 \mid 2741 \\
 \underline{261} \\
 131 \\
 \underline{116} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$2741 \div 31 = 88 \text{ remainder } 13$$

$$\begin{array}{r}
 88 \\
 31 \mid 2741 \\
 \underline{248} \\
 261 \\
 \underline{248} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2741 \div 37 = 74 \text{ remainder } 3$$

$$\begin{array}{r}
 74 \\
 37 \mid 2741 \\
 \underline{259} \\
 151 \\
 \underline{148} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2741 \div 41 = 66 \text{ remainder } 35$$

$$\begin{array}{r}
 66 \\
 41 \mid 2741 \\
 \underline{246} \\
 281 \\
 \underline{246} \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$2741 \div 43 = 63 \text{ remainder } 32$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2741} \\ \underline{258} \\ 161 \\ \underline{129} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$2741 \div 47 = 58 \text{ remainder } 15$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2741} \\ \underline{235} \\ 391 \\ \underline{376} \\ 15 \leftarrow \text{remainder} \end{array}$$

P₄₀₁ 2749

$$2749 \div 2 = 1374 \text{ remainder } 1$$

$$\begin{array}{r} 1374 \\ 2 \overline{) 2749} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 3 = 916 \text{ remainder } 1$$

$$\begin{array}{r} 916 \\ 3 \overline{) 2749} \\ \underline{27} \\ - - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 5 = 549 \text{ remainder } 4$$

$$\begin{array}{r} 549 \\ 5 \overline{) 2749} \\ \underline{25} \\ - - \\ 24 \\ \underline{20} \\ - - \end{array}$$

49
 45
 --
 4 ← remainder

$$2749 \div 7 = 392 \text{ remainder } 5$$

392
 7 | 2749
 21
 --
 64
 63
 --
 19
 14
 --
 5 ← remainder

$$2749 \div 11 = 249 \text{ remainder } 10$$

249
 11 | 2749
 22
 --
 54
 44
 --
 109
 99
 --
 10 ← remainder

$$2749 \div 13 = 211 \text{ remainder } 6$$

211
 13 | 2749
 26
 --
 14
 13
 --
 19
 13

--
6 ← remainder

$$2749 \div 17 = 161 \text{ remainder } 12$$

161
17 | 2749
17
--
104
102

29
17
--
12 ← remainder

$$2749 \div 19 = 144 \text{ remainder } 13$$

144
19 | 2749
19
--
84
76
--
89
76
--
13 ← remainder

$$2749 \div 23 = 119 \text{ remainder } 12$$

119
23 | 2749
23
--
44
23
--
219
207

12 ← remainder

$$2749 \div 29 = 94 \text{ remainder } 23$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2749} \\ \underline{261} \\ 139 \\ \underline{116} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 31 = 88 \text{ remainder } 21$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2749} \\ \underline{248} \\ 269 \\ \underline{248} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 37 = 74 \text{ remainder } 11$$

$$\begin{array}{r} 74 \\ 37 \overline{) 2749} \\ \underline{259} \\ 159 \\ \underline{148} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 41 = 67 \text{ remainder } 2$$

$$\begin{array}{r} 67 \\ 41 \overline{) 2749} \\ \underline{246} \\ 289 \\ \underline{287} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 43 = 63 \text{ remainder } 40$$

$$\begin{array}{r} 63 \\ 43 \overline{) 2749} \\ \underline{258} \\ 169 \\ \underline{129} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$2749 \div 47 = 58 \text{ remainder } 23$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2749} \\ \underline{235} \\ 399 \\ \underline{376} \\ 23 \leftarrow \text{remainder} \end{array}$$

P₄₀₂ 2753

$$2753 \div 2 = 1376 \text{ remainder } 1$$

$$\begin{array}{r} 1376 \\ 2 \overline{) 2753} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2753 \div 3 = 917 \text{ remainder } 2$$

$$\begin{array}{r} 917 \\ 3 \overline{) 2753} \\ \underline{27} \\ - \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2753 \div 5 = 550 \text{ remainder } 3$$

$$\begin{array}{r} 550 \\ 5 \overline{) 2753} \\ \underline{25} \\ - \\ 25 \\ \underline{25} \\ - \end{array}$$

```

  3
  0
  -
  3 ← remainder

```

$$2753 \div 7 = 393 \text{ remainder } 2$$

```

    393
7 | 2753
   21
   --
   65
   63
   --
   23
   21
   --
   2 ← remainder

```

$$2753 \div 11 = 250 \text{ remainder } 3$$

```

    250
11 | 2753
   22
   --
   55
   55
   --
   3
   0
   -
   3 ← remainder

```

$$2753 \div 13 = 211 \text{ remainder } 10$$

```

    211
13 | 2753
   26
   --
   15
   13
   --
   23
   13

```


--
10 ← remainder

$$2753 \div 17 = 161 \text{ remainder } 16$$

161
17 | 2753
17
--
105
102

33
17
--
16 ← remainder

$$2753 \div 19 = 144 \text{ remainder } 17$$

144
19 | 2753
19
--
85
76
--
93
76
--
17 ← remainder

$$2753 \div 23 = 119 \text{ remainder } 16$$

119
23 | 2753
23
--
45
23
--
223
207

16 ← remainder

$$2753 \div 29 = 94 \text{ remainder } 27$$

$$\begin{array}{r} 94 \\ 29 \overline{) 2753} \\ \underline{261} \\ 143 \\ \underline{116} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2753 \div 31 = 88 \text{ remainder } 25$$

$$\begin{array}{r} 88 \\ 31 \overline{) 2753} \\ \underline{248} \\ 273 \\ \underline{248} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2753 \div 37 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 37 \overline{) 2753} \\ \underline{259} \\ 163 \\ \underline{148} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2753 \div 41 = 67 \text{ remainder } 6$$

$$\begin{array}{r} 67 \\ 41 \overline{) 2753} \\ \underline{246} \\ 293 \\ \underline{287} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2753 \div 43 = 64 \text{ remainder } 1$$

$$\begin{array}{r} 64 \\ 43 \overline{) 2753} \\ \underline{258} \\ 173 \\ \underline{172} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2753 \div 47 = 58 \text{ remainder } 27$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2753} \\ \underline{235} \\ 403 \\ \underline{376} \\ 27 \leftarrow \text{remainder} \end{array}$$

P₄₀₃ 2767

$$2767 \div 2 = 1383 \text{ remainder } 1$$

$$\begin{array}{r} 1383 \\ 2 \overline{) 2767} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2767 \div 3 = 922 \text{ remainder } 1$$

$$\begin{array}{r} 922 \\ 3 \overline{) 2767} \\ \underline{27} \\ - - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2767 \div 5 = 553 \text{ remainder } 2$$

$$\begin{array}{r} 553 \\ 5 \overline{) 2767} \\ \underline{25} \\ - - \\ 26 \\ \underline{25} \\ - - \end{array}$$

17
 15
 --
 2 ← remainder

$$2767 \div 7 = 395 \text{ remainder } 2$$

395
 7 | 2767
 21
 --
 66
 63
 --
 37
 35
 --
 2 ← remainder

$$2767 \div 11 = 251 \text{ remainder } 6$$

251
 11 | 2767
 22
 --
 56
 55
 --
 17
 11
 --
 6 ← remainder

$$2767 \div 13 = 212 \text{ remainder } 11$$

212
 13 | 2767
 26
 --
 16
 13
 --
 37
 26

--
11 ← remainder

$$2767 \div 17 = 162 \text{ remainder } 13$$

162
17 | 2767
17
--
106
102

47
34
--
13 ← remainder

$$2767 \div 19 = 145 \text{ remainder } 12$$

145
19 | 2767
19
--
86
76
--
107
95
--
12 ← remainder

$$2767 \div 23 = 120 \text{ remainder } 7$$

120
23 | 2767
23
--
46
46
--
7
0
-
7 ← remainder

$$2767 \div 29 = 95 \text{ remainder } 12$$

$$\begin{array}{r} 95 \\ 29 \overline{) 2767} \\ \underline{261} \\ 157 \\ \underline{145} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2767 \div 31 = 89 \text{ remainder } 8$$

$$\begin{array}{r} 89 \\ 31 \overline{) 2767} \\ \underline{248} \\ 287 \\ \underline{279} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2767 \div 37 = 74 \text{ remainder } 29$$

$$\begin{array}{r} 74 \\ 37 \overline{) 2767} \\ \underline{259} \\ 177 \\ \underline{148} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$2767 \div 41 = 67 \text{ remainder } 20$$

$$\begin{array}{r} 67 \\ 41 \overline{) 2767} \\ \underline{246} \\ 307 \\ \underline{287} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2767 \div 43 = 64 \text{ remainder } 15$$

$$\begin{array}{r} 64 \\ 43 \overline{) 2767} \\ \underline{258} \\ 187 \\ \underline{172} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2767 \div 47 = 58 \text{ remainder } 41$$

$$\begin{array}{r} 58 \\ 47 \overline{) 2767} \\ \underline{235} \\ 417 \\ \underline{376} \\ 41 \leftarrow \text{remainder} \end{array}$$

P₄₀₄ 2777

$$2777 \div 2 = 1388 \text{ remainder } 1$$

$$\begin{array}{r} 1388 \\ 2 \overline{) 2777} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 3 = 925 \text{ remainder } 2$$

$$\begin{array}{r} 925 \\ 3 \overline{) 2777} \\ \underline{27} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 5 = 555 \text{ remainder } 2$$

$$\begin{array}{r} 555 \\ 5 \overline{) 2777} \\ \underline{25} \\ -- \\ 27 \\ \underline{25} \\ -- \end{array}$$

```

27
25
--
2 ← remainder

```

$$2777 \div 7 = 396 \text{ remainder } 5$$

```

      396
7 | 2777
  21
  --
   67
   63
   --
   47
   42
   --
    5 ← remainder

```

$$2777 \div 11 = 252 \text{ remainder } 5$$

```

      252
11 | 2777
   22
   --
   57
   55
   --
   27
   22
   --
    5 ← remainder

```

$$2777 \div 13 = 213 \text{ remainder } 8$$

```

      213
13 | 2777
   26
   --
   17
   13
   --
   47
   39

```

--
8 ← remainder

$$2777 \div 17 = 163 \text{ remainder } 6$$

163
17 | 2777
17
--
107
102

57
51
--
6 ← remainder

$$2777 \div 19 = 146 \text{ remainder } 3$$

146
19 | 2777
19
--
87
76
--
117
114

3 ← remainder

$$2777 \div 23 = 120 \text{ remainder } 17$$

120
23 | 2777
23
--
47
46
--
17
0
-
17 ← remainder

$$2777 \div 29 = 95 \text{ remainder } 22$$

$$\begin{array}{r} 95 \\ 29 \overline{) 2777} \\ \underline{261} \\ --- \\ 167 \\ \underline{145} \\ --- \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 31 = 89 \text{ remainder } 18$$

$$\begin{array}{r} 89 \\ 31 \overline{) 2777} \\ \underline{248} \\ --- \\ 297 \\ \underline{279} \\ --- \\ 18 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 37 = 75 \text{ remainder } 2$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2777} \\ \underline{259} \\ --- \\ 187 \\ \underline{185} \\ --- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 41 = 67 \text{ remainder } 30$$

$$\begin{array}{r} 67 \\ 41 \overline{) 2777} \\ \underline{246} \\ --- \\ 317 \\ \underline{287} \\ --- \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 43 = 64 \text{ remainder } 25$$

$$\begin{array}{r} 64 \\ 43 \overline{) 2777} \\ \underline{258} \\ 197 \\ \underline{172} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2777 \div 47 = 59 \text{ remainder } 4$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2777} \\ \underline{235} \\ 427 \\ \underline{423} \\ 4 \leftarrow \text{remainder} \end{array}$$

P₄₀₅ 2789

$$2789 \div 2 = 1394 \text{ remainder } 1$$

$$\begin{array}{r} 1394 \\ 2 \overline{) 2789} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2789 \div 3 = 929 \text{ remainder } 2$$

$$\begin{array}{r} 929 \\ 3 \overline{) 2789} \\ \underline{27} \\ - - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2789 \div 5 = 557 \text{ remainder } 4$$

$$\begin{array}{r} 557 \\ 5 \overline{) 2789} \\ \underline{25} \\ - - \\ 28 \\ \underline{25} \\ - - \end{array}$$

```

39
35
--
4 ← remainder

```

$$2789 \div 7 = 398 \text{ remainder } 3$$

```

      398
7 | 2789
  21
  --
   68
   63
   --
   59
   56
   --
   3 ← remainder

```

$$2789 \div 11 = 253 \text{ remainder } 6$$

```

      253
11 | 2789
   22
   --
   58
   55
   --
   39
   33
   --
   6 ← remainder

```

$$2789 \div 13 = 214 \text{ remainder } 7$$

```

      214
13 | 2789
   26
   --
   18
   13
   --
   59
   52

```

--
7 ← remainder

$$2789 \div 17 = 164 \text{ remainder } 1$$

164
17 | 2789
17
--
108
102

69
68
--
1 ← remainder

$$2789 \div 19 = 146 \text{ remainder } 15$$

146
19 | 2789
19
--
88
76
--
129
114

15 ← remainder

$$2789 \div 23 = 121 \text{ remainder } 6$$

121
23 | 2789
23
--
48
46
--
29
23
--
6 ← remainder

$$2789 \div 29 = 96 \text{ remainder } 5$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2789} \\ \underline{261} \\ 179 \\ \underline{174} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2789 \div 31 = 89 \text{ remainder } 30$$

$$\begin{array}{r} 89 \\ 31 \overline{) 2789} \\ \underline{248} \\ 309 \\ \underline{279} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2789 \div 37 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2789} \\ \underline{259} \\ 199 \\ \underline{185} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2789 \div 41 = 68 \text{ remainder } 1$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2789} \\ \underline{246} \\ 329 \\ \underline{328} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2789 \div 43 = 64 \text{ remainder } 37$$

$$\begin{array}{r} 64 \\ 43 \overline{) 2789} \\ \underline{258} \\ 209 \\ \underline{172} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2789 \div 47 = 59 \text{ remainder } 16$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2789} \\ \underline{235} \\ 439 \\ \underline{423} \\ 16 \leftarrow \text{remainder} \end{array}$$

P₄₀₆ 2791

$$2791 \div 2 = 1395 \text{ remainder } 1$$

$$\begin{array}{r} 1395 \\ 2 \overline{) 2791} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2791 \div 3 = 930 \text{ remainder } 1$$

$$\begin{array}{r} 930 \\ 3 \overline{) 2791} \\ \underline{27} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2791 \div 5 = 558 \text{ remainder } 1$$

$$\begin{array}{r} 558 \\ 5 \overline{) 2791} \\ \underline{25} \\ - \\ 29 \\ \underline{25} \\ - \end{array}$$

41
 40
 --
 1 ← remainder

$$2791 \div 7 = 398 \text{ remainder } 5$$

398
 7 | 2791
 21
 --
 69
 63
 --
 61
 56
 --
 5 ← remainder

$$2791 \div 11 = 253 \text{ remainder } 8$$

253
 11 | 2791
 22
 --
 59
 55
 --
 41
 33
 --
 8 ← remainder

$$2791 \div 13 = 214 \text{ remainder } 9$$

214
 13 | 2791
 26
 --
 19
 13
 --
 61
 52

--
9 ← remainder

$$2791 \div 17 = 164 \text{ remainder } 3$$

164
17 | 2791
17
--
109
102

71
68
--
3 ← remainder

$$2791 \div 19 = 146 \text{ remainder } 17$$

146
19 | 2791
19
--
89
76
--
131
114

17 ← remainder

$$2791 \div 23 = 121 \text{ remainder } 8$$

121
23 | 2791
23
--
49
46
--
31
23
--
8 ← remainder

$$2791 \div 29 = 96 \text{ remainder } 7$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2791} \\ \underline{261} \\ 181 \\ \underline{174} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$2791 \div 31 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 31 \overline{) 2791} \\ \underline{279} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2791 \div 37 = 75 \text{ remainder } 16$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2791} \\ \underline{259} \\ 201 \\ \underline{185} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2791 \div 41 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2791} \\ \underline{246} \\ 331 \\ \underline{328} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2791 \div 43 = 64 \text{ remainder } 39$$

$$\begin{array}{r} 64 \\ 43 \overline{) 2791} \\ \underline{258} \\ 211 \\ \underline{172} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$2791 \div 47 = 59 \text{ remainder } 18$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2791} \\ \underline{235} \\ 441 \\ \underline{423} \\ 18 \leftarrow \text{remainder} \end{array}$$

P₄₀₇ 2797

$$2797 \div 2 = 1398 \text{ remainder } 1$$

$$\begin{array}{r} 1398 \\ 2 \overline{) 2797} \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2797 \div 3 = 932 \text{ remainder } 1$$

$$\begin{array}{r} 932 \\ 3 \overline{) 2797} \\ \underline{27} \\ - \\ 9 \\ \underline{9} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2797 \div 5 = 559 \text{ remainder } 2$$

$$\begin{array}{r} 559 \\ 5 \overline{) 2797} \\ \underline{25} \\ - \\ 29 \\ \underline{25} \\ - \end{array}$$

47
 45
 --
 2 ← remainder

$$2797 \div 7 = 399 \text{ remainder } 4$$

399
 7 | 2797
 21
 --
 69
 63
 --
 67
 63
 --
 4 ← remainder

$$2797 \div 11 = 254 \text{ remainder } 3$$

254
 11 | 2797
 22
 --
 59
 55
 --
 47
 44
 --
 3 ← remainder

$$2797 \div 13 = 215 \text{ remainder } 2$$

215
 13 | 2797
 26
 --
 19
 13
 --
 67
 65

--
2 ← remainder

$$2797 \div 17 = 164 \text{ remainder } 9$$

164
17 | 2797
17
--
109
102

77
68
--
9 ← remainder

$$2797 \div 19 = 147 \text{ remainder } 4$$

147
19 | 2797
19
--
89
76
--
137
133

4 ← remainder

$$2797 \div 23 = 121 \text{ remainder } 14$$

121
23 | 2797
23
--
49
46
--
37
23
--
14 ← remainder

$$2797 \div 29 = 96 \text{ remainder } 13$$

$$\begin{array}{r}
 96 \\
 29 \mid 2797 \\
 \underline{261} \\
 187 \\
 \underline{174} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2797 \div 31 = 90 \text{ remainder } 7$$

$$\begin{array}{r}
 90 \\
 31 \mid 2797 \\
 \underline{279} \\
 7 \\
 \underline{0} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2797 \div 37 = 75 \text{ remainder } 22$$

$$\begin{array}{r}
 75 \\
 37 \mid 2797 \\
 \underline{259} \\
 207 \\
 \underline{185} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$2797 \div 41 = 68 \text{ remainder } 9$$

$$\begin{array}{r}
 68 \\
 41 \mid 2797 \\
 \underline{246} \\
 337 \\
 \underline{328} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$2797 \div 43 = 65 \text{ remainder } 2$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2797} \\ \underline{258} \\ 217 \\ \underline{215} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2797 \div 47 = 59 \text{ remainder } 24$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2797} \\ \underline{235} \\ 447 \\ \underline{423} \\ 24 \leftarrow \text{remainder} \end{array}$$

P₄₀₈ 2801

$$2801 \div 2 = 1400 \text{ remainder } 1$$

$$\begin{array}{r} 1400 \\ 2 \mid 2801 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2801 \div 3 = 933 \text{ remainder } 2$$

$$\begin{array}{r} 933 \\ 3 \mid 2801 \\ \underline{27} \\ - - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2801 \div 5 = 560 \text{ remainder } 1$$

$$\begin{array}{r} 560 \\ 5 \mid 2801 \\ \underline{25} \\ - - \\ 30 \\ \underline{30} \\ - - \end{array}$$

```

1
0
-
1 ← remainder

```

$$2801 \div 7 = 400 \text{ remainder } 1$$

```

    400
7 | 2801
   28
   --
    0
    0
    -
    1
    0
    -
    1 ← remainder

```

$$2801 \div 11 = 254 \text{ remainder } 7$$

```

    254
11 | 2801
   22
   --
    60
    55
    --
    51
    44
    --
    7 ← remainder

```

$$2801 \div 13 = 215 \text{ remainder } 6$$

```

    215
13 | 2801
   26
   --
    20
    13
    --
    71
    65

```

--
6 ← remainder

$$2801 \div 17 = 164 \text{ remainder } 13$$

164
17 | 2801
17
--
110
102

81
68
--
13 ← remainder

$$2801 \div 19 = 147 \text{ remainder } 8$$

147
19 | 2801
19
--
90
76
--
141
133

8 ← remainder

$$2801 \div 23 = 121 \text{ remainder } 18$$

121
23 | 2801
23
--
50
46
--
41
23
--
18 ← remainder

$$2801 \div 29 = 96 \text{ remainder } 17$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2801} \\ \underline{261} \\ --- \\ 191 \\ \underline{174} \\ --- \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2801 \div 31 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 31 \overline{) 2801} \\ \underline{279} \\ --- \\ 11 \\ \underline{0} \\ - \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2801 \div 37 = 75 \text{ remainder } 26$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2801} \\ \underline{259} \\ --- \\ 211 \\ \underline{185} \\ --- \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2801 \div 41 = 68 \text{ remainder } 13$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2801} \\ \underline{246} \\ --- \\ 341 \\ \underline{328} \\ --- \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2801 \div 43 = 65 \text{ remainder } 6$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2801} \\ \underline{258} \\ 221 \\ \underline{215} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$2801 \div 47 = 59 \text{ remainder } 28$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2801} \\ \underline{235} \\ 451 \\ \underline{423} \\ 28 \leftarrow \text{remainder} \end{array}$$

P₄₀₉ 2803

$$2803 \div 2 = 1401 \text{ remainder } 1$$

$$\begin{array}{r} 1401 \\ 2 \overline{) 2803} \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2803 \div 3 = 934 \text{ remainder } 1$$

$$\begin{array}{r} 934 \\ 3 \overline{) 2803} \\ \underline{27} \\ - - \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2803 \div 5 = 560 \text{ remainder } 3$$

$$\begin{array}{r} 560 \\ 5 \overline{) 2803} \\ \underline{25} \\ - - \\ 30 \\ \underline{30} \\ - - \end{array}$$

```

3
0
-
3 ← remainder

```

$$2803 \div 7 = 400 \text{ remainder } 3$$

```

400
7 | 2803
28
--
0
0
-
3
0
-
3 ← remainder

```

$$2803 \div 11 = 254 \text{ remainder } 9$$

```

254
11 | 2803
22
--
60
55
--
53
44
--
9 ← remainder

```

$$2803 \div 13 = 215 \text{ remainder } 8$$

```

215
13 | 2803
26
--
20
13
--
73
65

```

--
8 ← remainder

$$2803 \div 17 = 164 \text{ remainder } 15$$

164
17 | 2803
17
--
110
102

83
68
--
15 ← remainder

$$2803 \div 19 = 147 \text{ remainder } 10$$

147
19 | 2803
19
--
90
76
--
143
133

10 ← remainder

$$2803 \div 23 = 121 \text{ remainder } 20$$

121
23 | 2803
23
--
50
46
--
43
23
--
20 ← remainder

$$2803 \div 29 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 29 \overline{) 2803} \\ \underline{261} \\ 193 \\ \underline{174} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2803 \div 31 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 31 \overline{) 2803} \\ \underline{279} \\ 13 \\ \underline{0} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2803 \div 37 = 75 \text{ remainder } 28$$

$$\begin{array}{r} 75 \\ 37 \overline{) 2803} \\ \underline{259} \\ 213 \\ \underline{185} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$2803 \div 41 = 68 \text{ remainder } 15$$

$$\begin{array}{r} 68 \\ 41 \overline{) 2803} \\ \underline{246} \\ 343 \\ \underline{328} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$2803 \div 43 = 65 \text{ remainder } 8$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2803} \\ \underline{258} \\ 223 \\ \underline{215} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2803 \div 47 = 59 \text{ remainder } 30$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2803} \\ \underline{235} \\ 453 \\ \underline{423} \\ 30 \leftarrow \text{remainder} \end{array}$$

P₄₁₀ 2819

$$2819 \div 2 = 1409 \text{ remainder } 1$$

$$\begin{array}{r} 1409 \\ 2 \overline{) 2819} \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 3 = 939 \text{ remainder } 2$$

$$\begin{array}{r} 939 \\ 3 \overline{) 2819} \\ \underline{27} \\ -- \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 5 = 563 \text{ remainder } 4$$

$$\begin{array}{r} 563 \\ 5 \overline{) 2819} \\ \underline{25} \\ -- \\ 31 \\ \underline{30} \\ -- \end{array}$$

19
15
--
4 ← remainder

$$2819 \div 7 = 402 \text{ remainder } 5$$

402
7 | 2819
28
--
1
0
-
19
14
--
5 ← remainder

$$2819 \div 11 = 256 \text{ remainder } 3$$

256
11 | 2819
22
--
61
55
--
69
66
--
3 ← remainder

$$2819 \div 13 = 216 \text{ remainder } 11$$

216
13 | 2819
26
--
21
13
--
89
78

--
11 ← remainder

$$2819 \div 17 = 165 \text{ remainder } 14$$

165
17 | 2819
17
--
111
102

99
85
--
14 ← remainder

$$2819 \div 19 = 148 \text{ remainder } 7$$

148
19 | 2819
19
--
91
76
--
159
152

7 ← remainder

$$2819 \div 23 = 122 \text{ remainder } 13$$

122
23 | 2819
23
--
51
46
--
59
46
--
13 ← remainder

$$2819 \div 29 = 97 \text{ remainder } 6$$

$$\begin{array}{r}
 97 \\
 29 \mid 2819 \\
 \underline{261} \\
 209 \\
 \underline{203} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$2819 \div 31 = 90 \text{ remainder } 29$$

$$\begin{array}{r}
 90 \\
 31 \mid 2819 \\
 \underline{279} \\
 29 \\
 \underline{0} \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$2819 \div 37 = 76 \text{ remainder } 7$$

$$\begin{array}{r}
 76 \\
 37 \mid 2819 \\
 \underline{259} \\
 229 \\
 \underline{222} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$2819 \div 41 = 68 \text{ remainder } 31$$

$$\begin{array}{r}
 68 \\
 41 \mid 2819 \\
 \underline{246} \\
 359 \\
 \underline{328} \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$2819 \div 43 = 65 \text{ remainder } 24$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2819} \\ \underline{258} \\ 239 \\ \underline{215} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 47 = 59 \text{ remainder } 46$$

$$\begin{array}{r} 59 \\ 47 \overline{) 2819} \\ \underline{235} \\ 469 \\ \underline{423} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$2819 \div 53 = 53 \text{ remainder } 10$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2819} \\ \underline{265} \\ 169 \\ \underline{159} \\ 10 \leftarrow \text{remainder} \end{array}$$

P₄₁₁ 2833

$$2833 \div 2 = 1416 \text{ remainder } 1$$

$$\begin{array}{r} 1416 \\ 2 \mid 2833 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2833 \div 3 = 944 \text{ remainder } 1$$

$$\begin{array}{r} 944 \\ 3 \mid 2833 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2833 \div 5 = 566 \text{ remainder } 3$$

$$\begin{array}{r} 566 \\ 5 \mid 2833 \\ \underline{25} \\ -- \\ 33 \\ \underline{30} \\ -- \end{array}$$

```

33
30
--
3 ← remainder

```

$$2833 \div 7 = 404 \text{ remainder } 5$$

```

    404
7 | 2833
  28
  --
   3
   0
   -
  33
  28
  --
   5 ← remainder

```

$$2833 \div 11 = 257 \text{ remainder } 6$$

```

    257
11 | 2833
   22
   --
   63
   55
   --
   83
   77
   --
    6 ← remainder

```

$$2833 \div 13 = 217 \text{ remainder } 12$$

```

    217
13 | 2833
   26
   --
   23
   13
   --
  103
   91

```

--
12 ← remainder

$$2833 \div 17 = 166 \text{ remainder } 11$$

166
17 | 2833
17
--
113
102

113
102

11 ← remainder

$$2833 \div 19 = 149 \text{ remainder } 2$$

149
19 | 2833
19
--
93
76
--
173
171

2 ← remainder

$$2833 \div 23 = 123 \text{ remainder } 4$$

123
23 | 2833
23
--
53
46
--
73
69
--
4 ← remainder

$$2833 \div 29 = 97 \text{ remainder } 20$$

$$\begin{array}{r}
 97 \\
 29 \overline{) 2833} \\
 \underline{261} \\
 223 \\
 \underline{203} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2833 \div 31 = 91 \text{ remainder } 12$$

$$\begin{array}{r}
 91 \\
 31 \overline{) 2833} \\
 \underline{279} \\
 43 \\
 \underline{31} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2833 \div 37 = 76 \text{ remainder } 21$$

$$\begin{array}{r}
 76 \\
 37 \overline{) 2833} \\
 \underline{259} \\
 243 \\
 \underline{222} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$2833 \div 41 = 69 \text{ remainder } 4$$

$$\begin{array}{r}
 69 \\
 41 \overline{) 2833} \\
 \underline{246} \\
 373 \\
 \underline{369} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2833 \div 43 = 65 \text{ remainder } 38$$

$$\begin{array}{r}
 65 \\
 43 \mid 2833 \\
 \underline{258} \\
 --- \\
 253 \\
 \underline{215} \\
 --- \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$2833 \div 47 = 60 \text{ remainder } 13$$

$$\begin{array}{r}
 60 \\
 47 \mid 2833 \\
 \underline{282} \\
 --- \\
 13 \\
 \underline{0} \\
 - \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2833 \div 53 = 53 \text{ remainder } 24$$

$$\begin{array}{r}
 53 \\
 53 \mid 2833 \\
 \underline{265} \\
 --- \\
 183 \\
 \underline{159} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

P₄₁₂ 2837

$$2837 \div 2 = 1418 \text{ remainder } 1$$

$$\begin{array}{r} 1418 \\ 2 \mid 2837 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 3 = 945 \text{ remainder } 2$$

$$\begin{array}{r} 945 \\ 3 \mid 2837 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 5 = 567 \text{ remainder } 2$$

$$\begin{array}{r} 567 \\ 5 \mid 2837 \\ \underline{25} \\ -- \\ 33 \\ \underline{30} \\ -- \end{array}$$

```

37
35
--
2 ← remainder

```

$$2837 \div 7 = 405 \text{ remainder } 2$$

```

    405
7 | 2837
  28
  --
   3
   0
   -
  37
  35
  --
   2 ← remainder

```

$$2837 \div 11 = 257 \text{ remainder } 10$$

```

    257
11 | 2837
   22
   --
   63
   55
   --
   87
   77
   --
   10 ← remainder

```

$$2837 \div 13 = 218 \text{ remainder } 3$$

```

    218
13 | 2837
   26
   --
   23
   13
   --
   107
   104

```

3 ← remainder

$$2837 \div 17 = 166 \text{ remainder } 15$$

$$\begin{array}{r} 166 \\ 17 \overline{) 2837} \\ \underline{17} \end{array}$$

--

113

102

117

102

15 ← remainder

$$2837 \div 19 = 149 \text{ remainder } 6$$

$$\begin{array}{r} 149 \\ 19 \overline{) 2837} \\ \underline{19} \end{array}$$

--

93

76

--

177

171

6 ← remainder

$$2837 \div 23 = 123 \text{ remainder } 8$$

$$\begin{array}{r} 123 \\ 23 \overline{) 2837} \\ \underline{23} \end{array}$$

--

53

46

--

77

69

--

8 ← remainder

$$2837 \div 29 = 97 \text{ remainder } 24$$

$$\begin{array}{r} 97 \\ 29 \overline{) 2837} \\ \underline{261} \\ 227 \\ \underline{203} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 31 = 91 \text{ remainder } 16$$

$$\begin{array}{r} 91 \\ 31 \overline{) 2837} \\ \underline{279} \\ 47 \\ \underline{31} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 37 = 76 \text{ remainder } 25$$

$$\begin{array}{r} 76 \\ 37 \overline{) 2837} \\ \underline{259} \\ 247 \\ \underline{222} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 41 = 69 \text{ remainder } 8$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2837} \\ \underline{246} \\ 377 \\ \underline{369} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 43 = 65 \text{ remainder } 42$$

$$\begin{array}{r} 65 \\ 43 \overline{) 2837} \\ \underline{258} \\ 257 \\ \underline{215} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 47 = 60 \text{ remainder } 17$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2837} \\ \underline{282} \\ 17 \\ \underline{0} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2837 \div 53 = 53 \text{ remainder } 28$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2837} \\ \underline{265} \\ 187 \\ \underline{159} \\ 28 \leftarrow \text{remainder} \end{array}$$

P₄₁₃ 2843

$$2843 \div 2 = 1421 \text{ remainder } 1$$

$$\begin{array}{r} 1421 \\ 2 \mid 2843 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 3 = 947 \text{ remainder } 2$$

$$\begin{array}{r} 947 \\ 3 \mid 2843 \\ \underline{27} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 5 = 568 \text{ remainder } 3$$

$$\begin{array}{r} 568 \\ 5 \mid 2843 \\ \underline{25} \\ - - \\ 34 \\ \underline{30} \\ - - \end{array}$$

43
 40
 --
 3 ← remainder

$$2843 \div 7 = 406 \text{ remainder } 1$$

406
 7 | 2843
 28
 --
 4
 0
 -
 43
 42
 --
 1 ← remainder

$$2843 \div 11 = 258 \text{ remainder } 5$$

258
 11 | 2843
 22
 --
 64
 55
 --
 93
 88
 --
 5 ← remainder

$$2843 \div 13 = 218 \text{ remainder } 9$$

218
 13 | 2843
 26
 --
 24
 13
 --
 113
 104

9 ← remainder

$$2843 \div 17 = 167 \text{ remainder } 4$$

```
      167
17 | 2843
    17
    --
    114
    102
    ---
    123
    119
    ---
    4 ← remainder
```

$$2843 \div 19 = 149 \text{ remainder } 12$$

```
      149
19 | 2843
    19
    --
    94
    76
    --
    183
    171
    ---
    12 ← remainder
```

$$2843 \div 23 = 123 \text{ remainder } 14$$

```
      123
23 | 2843
    23
    --
    54
    46
    --
    83
    69
    --
    14 ← remainder
```


$$2843 \div 29 = 98 \text{ remainder } 1$$

$$\begin{array}{r} 98 \\ 29 \overline{) 2843} \\ \underline{261} \\ 233 \\ \underline{232} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 31 = 91 \text{ remainder } 22$$

$$\begin{array}{r} 91 \\ 31 \overline{) 2843} \\ \underline{279} \\ 53 \\ \underline{31} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 37 = 76 \text{ remainder } 31$$

$$\begin{array}{r} 76 \\ 37 \overline{) 2843} \\ \underline{259} \\ 253 \\ \underline{222} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 41 = 69 \text{ remainder } 14$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2843} \\ \underline{246} \\ 383 \\ \underline{369} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 43 = 66 \text{ remainder } 5$$

$$\begin{array}{r} 66 \\ 43 \overline{) 2843} \\ \underline{258} \\ 263 \\ \underline{258} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 47 = 60 \text{ remainder } 23$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2843} \\ \underline{282} \\ 23 \\ \underline{0} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2843 \div 53 = 53 \text{ remainder } 34$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2843} \\ \underline{265} \\ 193 \\ \underline{159} \\ 34 \leftarrow \text{remainder} \end{array}$$

P₄₁₄ 2851

$$2851 \div 2 = 1425 \text{ remainder } 1$$

$$\begin{array}{r} 1425 \\ 2 \mid 2851 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 3 = 950 \text{ remainder } 1$$

$$\begin{array}{r} 950 \\ 3 \mid 2851 \\ \underline{27} \\ - - \\ 15 \\ \underline{15} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 5 = 570 \text{ remainder } 1$$

$$\begin{array}{r} 570 \\ 5 \mid 2851 \\ \underline{25} \\ - - \\ 35 \\ \underline{35} \\ - - \end{array}$$

```

1
0
-
1 ← remainder

```

$$2851 \div 7 = 407 \text{ remainder } 2$$

```

    407
7 | 2851
  28
  --
   5
   0
   -
  51
  49
  --
   2 ← remainder

```

$$2851 \div 11 = 259 \text{ remainder } 2$$

```

    259
11 | 2851
   22
   --
   65
   55
   --
  101
   99
   --
    2 ← remainder

```

$$2851 \div 13 = 219 \text{ remainder } 4$$

```

    219
13 | 2851
   26
   --
   25
   13
   --
  121
  117

```

4 ← remainder

$$2851 \div 17 = 167 \text{ remainder } 12$$

```
      167
17 | 2851
    17
    --
    115
    102
    ---
    131
    119
    ---
    12 ← remainder
```

$$2851 \div 19 = 150 \text{ remainder } 1$$

```
      150
19 | 2851
    19
    --
    95
    95
    --
    1
    0
    -
    1 ← remainder
```

$$2851 \div 23 = 123 \text{ remainder } 22$$

```
      123
23 | 2851
    23
    --
    55
    46
    --
    91
    69
    --
    22 ← remainder
```

$$2851 \div 29 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 29 \overline{) 2851} \\ \underline{261} \\ 241 \\ \underline{232} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 31 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 31 \overline{) 2851} \\ \underline{279} \\ 61 \\ \underline{31} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 37 = 77 \text{ remainder } 2$$

$$\begin{array}{r} 77 \\ 37 \overline{) 2851} \\ \underline{259} \\ 261 \\ \underline{259} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 41 = 69 \text{ remainder } 22$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2851} \\ \underline{246} \\ 391 \\ \underline{369} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 43 = 66 \text{ remainder } 13$$

$$\begin{array}{r} 66 \\ 43 \overline{) 2851} \\ \underline{258} \\ 271 \\ \underline{258} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 47 = 60 \text{ remainder } 31$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2851} \\ \underline{282} \\ 31 \\ \underline{0} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$2851 \div 53 = 53 \text{ remainder } 42$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2851} \\ \underline{265} \\ 201 \\ \underline{159} \\ 42 \leftarrow \text{remainder} \end{array}$$

P₄₁₅ 2857

$$2857 \div 2 = 1428 \text{ remainder } 1$$

$$\begin{array}{r} 1428 \\ 2 \mid 2857 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 3 = 952 \text{ remainder } 1$$

$$\begin{array}{r} 952 \\ 3 \mid 2857 \\ \underline{27} \\ -- \\ 15 \\ \underline{15} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 5 = 571 \text{ remainder } 2$$

$$\begin{array}{r} 571 \\ 5 \mid 2857 \\ \underline{25} \\ -- \\ 35 \\ \underline{35} \\ -- \end{array}$$


```

7
5
-
2 ← remainder

```

$$2857 \div 7 = 408 \text{ remainder } 1$$

```

      408
7 | 2857
  28
  --
   5
   0
   -
  57
  56
  --
   1 ← remainder

```

$$2857 \div 11 = 259 \text{ remainder } 8$$

```

      259
11 | 2857
   22
   --
   65
   55
   --
  107
   99
   --
    8 ← remainder

```

$$2857 \div 13 = 219 \text{ remainder } 10$$

```

      219
13 | 2857
   26
   --
   25
   13
   --
  127
  117

```

10 ← remainder

$$2857 \div 17 = 168 \text{ remainder } 1$$

168
17 | 2857
17

--

115

102

137

136

1 ← remainder

$$2857 \div 19 = 150 \text{ remainder } 7$$

150
19 | 2857
19

--

95

95

--

7

0

-

7 ← remainder

$$2857 \div 23 = 124 \text{ remainder } 5$$

124
23 | 2857
23

--

55

46

--

97

92

--

5 ← remainder

$$2857 \div 29 = 98 \text{ remainder } 15$$

$$\begin{array}{r}
 98 \\
 29 \mid 2857 \\
 \underline{261} \\
 247 \\
 \underline{232} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$2857 \div 31 = 92 \text{ remainder } 5$$

$$\begin{array}{r}
 92 \\
 31 \mid 2857 \\
 \underline{279} \\
 67 \\
 \underline{62} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2857 \div 37 = 77 \text{ remainder } 8$$

$$\begin{array}{r}
 77 \\
 37 \mid 2857 \\
 \underline{259} \\
 267 \\
 \underline{259} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$2857 \div 41 = 69 \text{ remainder } 28$$

$$\begin{array}{r}
 69 \\
 41 \mid 2857 \\
 \underline{246} \\
 397 \\
 \underline{369} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2857 \div 43 = 66 \text{ remainder } 19$$

$$\begin{array}{r} 66 \\ 43 \overline{) 2857} \\ \underline{258} \\ 277 \\ \underline{258} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 47 = 60 \text{ remainder } 37$$

$$\begin{array}{r} 60 \\ 47 \overline{) 2857} \\ \underline{282} \\ 37 \\ \underline{0} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$2857 \div 53 = 53 \text{ remainder } 48$$

$$\begin{array}{r} 53 \\ 53 \overline{) 2857} \\ \underline{265} \\ 207 \\ \underline{159} \\ 48 \leftarrow \text{remainder} \end{array}$$

P₄₁₆ 2861

$$2861 \div 2 = 1430 \text{ remainder } 1$$

$$\begin{array}{r} 1430 \\ 2 \mid 2861 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2861 \div 3 = 953 \text{ remainder } 2$$

$$\begin{array}{r} 953 \\ 3 \mid 2861 \\ \underline{27} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2861 \div 5 = 572 \text{ remainder } 1$$

$$\begin{array}{r} 572 \\ 5 \mid 2861 \\ \underline{25} \\ -- \\ 36 \\ \underline{35} \\ -- \end{array}$$

```

11
10
--
1 ← remainder

```

$$2861 \div 7 = 408 \text{ remainder } 5$$

```

    408
7 | 2861
   28
   --
    6
    0
    -
    61
    56
    --
    5 ← remainder

```

$$2861 \div 11 = 260 \text{ remainder } 1$$

```

    260
11 | 2861
   22
   --
    66
    66
    --
    1
    0
    -
    1 ← remainder

```

$$2861 \div 13 = 220 \text{ remainder } 1$$

```

    220
13 | 2861
   26
   --
    26
    26
    --
    1
    0

```

-
1 ← remainder

$$2861 \div 17 = 168 \text{ remainder } 5$$

```
      168
17 | 2861
    17
    --
    116
    102
    ---
    141
    136
    ---
    5 ← remainder
```

$$2861 \div 19 = 150 \text{ remainder } 11$$

```
      150
19 | 2861
    19
    --
    96
    95
    --
    11
    0
    -
    11 ← remainder
```

$$2861 \div 23 = 124 \text{ remainder } 9$$

```
      124
23 | 2861
    23
    --
    56
    46
    --
    101
    92
    --
    9 ← remainder
```

$$2861 \div 29 = 98 \text{ remainder } 19$$

$$\begin{array}{r} 98 \\ 29 \overline{) 2861} \\ \underline{261} \\ 251 \\ \underline{232} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$2861 \div 31 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 31 \overline{) 2861} \\ \underline{279} \\ 71 \\ \underline{62} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2861 \div 37 = 77 \text{ remainder } 12$$

$$\begin{array}{r} 77 \\ 37 \overline{) 2861} \\ \underline{259} \\ 271 \\ \underline{259} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2861 \div 41 = 69 \text{ remainder } 32$$

$$\begin{array}{r} 69 \\ 41 \overline{) 2861} \\ \underline{246} \\ 401 \\ \underline{369} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$2861 \div 43 = 66 \text{ remainder } 23$$

$$\begin{array}{r}
 66 \\
 43 \mid 2861 \\
 \underline{258} \\
 281 \\
 \underline{258} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2861 \div 47 = 60 \text{ remainder } 41$$

$$\begin{array}{r}
 60 \\
 47 \mid 2861 \\
 \underline{282} \\
 41 \\
 0 \\
 - \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$2861 \div 53 = 53 \text{ remainder } 52$$

$$\begin{array}{r}
 53 \\
 53 \mid 2861 \\
 \underline{265} \\
 211 \\
 \underline{159} \\
 52 \leftarrow \text{remainder}
 \end{array}$$

P₄₁₇ 2879

$$2879 \div 2 = 1439 \text{ remainder } 1$$

$$\begin{array}{r} 1439 \\ 2 \overline{) 2879} \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 3 = 959 \text{ remainder } 2$$

$$\begin{array}{r} 959 \\ 3 \overline{) 2879} \\ \underline{27} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 5 = 575 \text{ remainder } 4$$

$$\begin{array}{r} 575 \\ 5 \overline{) 2879} \\ \underline{25} \\ -- \\ 37 \\ \underline{35} \\ -- \end{array}$$

29
 25
 --
 4 ← remainder

$$2879 \div 7 = 411 \text{ remainder } 2$$

411
 7 | 2879
 28
 --
 7
 7
 -
 9
 7
 -
 2 ← remainder

$$2879 \div 11 = 261 \text{ remainder } 8$$

261
 11 | 2879
 22
 --
 67
 66
 --
 19
 11
 --
 8 ← remainder

$$2879 \div 13 = 221 \text{ remainder } 6$$

221
 13 | 2879
 26
 --
 27
 26
 --
 19
 13

--
6 ← remainder

$$2879 \div 17 = 169 \text{ remainder } 6$$

169
17 | 2879
17
--
117
102

159
153

6 ← remainder

$$2879 \div 19 = 151 \text{ remainder } 10$$

151
19 | 2879
19
--
97
95
--
29
19
--
10 ← remainder

$$2879 \div 23 = 125 \text{ remainder } 4$$

125
23 | 2879
23
--
57
46
--
119
115

4 ← remainder

$$2879 \div 29 = 99 \text{ remainder } 8$$

$$\begin{array}{r} 99 \\ 29 \overline{) 2879} \\ \underline{261} \\ 269 \\ \underline{261} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 31 = 92 \text{ remainder } 27$$

$$\begin{array}{r} 92 \\ 31 \overline{) 2879} \\ \underline{279} \\ 89 \\ \underline{62} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 37 = 77 \text{ remainder } 30$$

$$\begin{array}{r} 77 \\ 37 \overline{) 2879} \\ \underline{259} \\ 289 \\ \underline{259} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 41 = 70 \text{ remainder } 9$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2879} \\ \underline{287} \\ 9 \\ \underline{0} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 43 = 66 \text{ remainder } 41$$

$$\begin{array}{r} 66 \\ 43 \overline{) 2879} \\ \underline{258} \\ 299 \\ \underline{258} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 47 = 61 \text{ remainder } 12$$

$$\begin{array}{r} 61 \\ 47 \overline{) 2879} \\ \underline{282} \\ 59 \\ \underline{47} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$2879 \div 53 = 54 \text{ remainder } 17$$

$$\begin{array}{r} 54 \\ 53 \overline{) 2879} \\ \underline{265} \\ 229 \\ \underline{212} \\ 17 \leftarrow \text{remainder} \end{array}$$

P₄₁₈ 2887

$$2887 \div 2 = 1443 \text{ remainder } 1$$

$$\begin{array}{r} 1443 \\ 2 \overline{) 2887} \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2887 \div 3 = 962 \text{ remainder } 1$$

$$\begin{array}{r} 962 \\ 3 \overline{) 2887} \\ \underline{27} \\ -- \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2887 \div 5 = 577 \text{ remainder } 2$$

$$\begin{array}{r} 577 \\ 5 \overline{) 2887} \\ \underline{25} \\ -- \\ 38 \\ \underline{35} \\ -- \end{array}$$

37
 35
 --
 2 ← remainder

$$2887 \div 7 = 412 \text{ remainder } 3$$

412
 7 | 2887
 28
 --
 8
 7
 -
 17
 14
 --
 3 ← remainder

$$2887 \div 11 = 262 \text{ remainder } 5$$

262
 11 | 2887
 22
 --
 68
 66
 --
 27
 22
 --
 5 ← remainder

$$2887 \div 13 = 222 \text{ remainder } 1$$

222
 13 | 2887
 26
 --
 28
 26
 --
 27
 26

--
1 ← remainder

$$2887 \div 17 = 169 \text{ remainder } 14$$

```
      169
17 | 2887
    17
    --
    118
    102
    ---
    167
    153
    ---
    14 ← remainder
```

$$2887 \div 19 = 151 \text{ remainder } 18$$

```
      151
19 | 2887
    19
    --
    98
    95
    --
    37
    19
    --
    18 ← remainder
```

$$2887 \div 23 = 125 \text{ remainder } 12$$

```
      125
23 | 2887
    23
    --
    58
    46
    --
    127
    115
    ---
    12 ← remainder
```

$$2887 \div 29 = 99 \text{ remainder } 16$$

$$\begin{array}{r} 99 \\ 29 \mid 2887 \\ \underline{261} \\ 277 \\ \underline{261} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2887 \div 31 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 31 \mid 2887 \\ \underline{279} \\ 97 \\ \underline{93} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$2887 \div 37 = 78 \text{ remainder } 1$$

$$\begin{array}{r} 78 \\ 37 \mid 2887 \\ \underline{259} \\ 297 \\ \underline{296} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2887 \div 41 = 70 \text{ remainder } 17$$

$$\begin{array}{r} 70 \\ 41 \mid 2887 \\ \underline{287} \\ 17 \\ 0 \\ - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2887 \div 43 = 67 \text{ remainder } 6$$

$$\begin{array}{r}
 67 \\
 43 \mid 2887 \\
 \underline{258} \\
 307 \\
 \underline{301} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$2887 \div 47 = 61 \text{ remainder } 20$$

$$\begin{array}{r}
 61 \\
 47 \mid 2887 \\
 \underline{282} \\
 67 \\
 \underline{47} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$2887 \div 53 = 54 \text{ remainder } 25$$

$$\begin{array}{r}
 54 \\
 53 \mid 2887 \\
 \underline{265} \\
 237 \\
 \underline{212} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

P₄₁₉ 2897

$$2897 \div 2 = 1448 \text{ remainder } 1$$

$$\begin{array}{r} 1448 \\ 2 \mid 2897 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 3 = 965 \text{ remainder } 2$$

$$\begin{array}{r} 965 \\ 3 \mid 2897 \\ \underline{27} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 5 = 579 \text{ remainder } 2$$

$$\begin{array}{r} 579 \\ 5 \mid 2897 \\ \underline{25} \\ - - \\ 39 \\ \underline{35} \\ - - \end{array}$$

47
 45
 --
 2 ← remainder

$$2897 \div 7 = 413 \text{ remainder } 6$$

413
 7 | 2897
 28
 --
 9
 7
 -
 27
 21
 --
 6 ← remainder

$$2897 \div 11 = 263 \text{ remainder } 4$$

263
 11 | 2897
 22
 --
 69
 66
 --
 37
 33
 --
 4 ← remainder

$$2897 \div 13 = 222 \text{ remainder } 11$$

222
 13 | 2897
 26
 --
 29
 26
 --
 37
 26

--
11 ← remainder

$$2897 \div 17 = 170 \text{ remainder } 7$$

170
17 | 2897
17
--
119
119

7
0
-
7 ← remainder

$$2897 \div 19 = 152 \text{ remainder } 9$$

152
19 | 2897
19
--
99
95
--
47
38
--
9 ← remainder

$$2897 \div 23 = 125 \text{ remainder } 22$$

125
23 | 2897
23
--
59
46
--
137
115

22 ← remainder

$$2897 \div 29 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 29 \overline{) 2897} \\ \underline{261} \\ 287 \\ \underline{261} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 31 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 31 \overline{) 2897} \\ \underline{279} \\ 107 \\ \underline{93} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 37 = 78 \text{ remainder } 11$$

$$\begin{array}{r} 78 \\ 37 \overline{) 2897} \\ \underline{259} \\ 307 \\ \underline{296} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 41 = 70 \text{ remainder } 27$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2897} \\ \underline{287} \\ 27 \\ \underline{0} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 43 = 67 \text{ remainder } 16$$

$$\begin{array}{r} 67 \\ 43 \overline{) 2897} \\ \underline{258} \\ 317 \\ \underline{301} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 47 = 61 \text{ remainder } 30$$

$$\begin{array}{r} 61 \\ 47 \overline{) 2897} \\ \underline{282} \\ 77 \\ \underline{47} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$2897 \div 53 = 54 \text{ remainder } 35$$

$$\begin{array}{r} 54 \\ 53 \overline{) 2897} \\ \underline{265} \\ 247 \\ \underline{212} \\ 35 \leftarrow \text{remainder} \end{array}$$

P₄₂₀ 2903

$$2903 \div 2 = 1451 \text{ remainder } 1$$

$$\begin{array}{r} 1451 \\ 2 \mid 2903 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 10 \\ \underline{10} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 3 = 967 \text{ remainder } 2$$

$$\begin{array}{r} 967 \\ 3 \mid 2903 \\ \underline{27} \\ - - \\ 20 \\ \underline{18} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 5 = 580 \text{ remainder } 3$$

$$\begin{array}{r} 580 \\ 5 \mid 2903 \\ \underline{25} \\ - - \\ 40 \\ \underline{40} \\ - - \end{array}$$

```

3
0
-
3 ← remainder

```

$$2903 \div 7 = 414 \text{ remainder } 5$$

```

    414
7 | 2903
   28
   --
   10
    7
    -
   33
   28
   --
    5 ← remainder

```

$$2903 \div 11 = 263 \text{ remainder } 10$$

```

    263
11 | 2903
   22
   --
   70
   66
   --
   43
   33
   --
   10 ← remainder

```

$$2903 \div 13 = 223 \text{ remainder } 4$$

```

    223
13 | 2903
   26
   --
   30
   26
   --
   43
   39

```

--
4 ← remainder

$$2903 \div 17 = 170 \text{ remainder } 13$$

```
      170
17 | 2903
    17
    --
    120
    119
    ---
     13
     0
     -
    13 ← remainder
```

$$2903 \div 19 = 152 \text{ remainder } 15$$

```
      152
19 | 2903
    19
    --
    100
    95
    --
     53
     38
     --
     15 ← remainder
```

$$2903 \div 23 = 126 \text{ remainder } 5$$

```
      126
23 | 2903
    23
    --
     60
     46
     --
     143
     138
     ---
      5 ← remainder
```

$$2903 \div 29 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 29 \overline{) 2903} \\ \underline{29} \\ 0 \\ 0 \\ - \\ 3 \\ 0 \\ - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 31 = 93 \text{ remainder } 20$$

$$\begin{array}{r} 93 \\ 31 \overline{) 2903} \\ \underline{279} \\ --- \\ 113 \\ \underline{93} \\ -- \\ 20 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 37 = 78 \text{ remainder } 17$$

$$\begin{array}{r} 78 \\ 37 \overline{) 2903} \\ \underline{259} \\ --- \\ 313 \\ \underline{296} \\ --- \\ 17 \leftarrow \text{remainder} \end{array}$$

$$2903 \div 41 = 70 \text{ remainder } 33$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2903} \\ \underline{287} \\ --- \\ 33 \\ 0 \end{array}$$

-
33 ← remainder

$$2903 \div 43 = 67 \text{ remainder } 22$$

67
43 | 2903
258

323
301

22 ← remainder

$$2903 \div 47 = 61 \text{ remainder } 36$$

61
47 | 2903
282

83
47
--
36 ← remainder

$$2903 \div 53 = 54 \text{ remainder } 41$$

54
53 | 2903
265

253
212

41 ← remainder

P₄₂₁ 2909

$$2909 \div 2 = 1454 \text{ remainder } 1$$

$$\begin{array}{r} 1454 \\ 2 \mid 2909 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 10 \\ \underline{10} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 3 = 969 \text{ remainder } 2$$

$$\begin{array}{r} 969 \\ 3 \mid 2909 \\ \underline{27} \\ - - \\ 20 \\ \underline{18} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 5 = 581 \text{ remainder } 4$$

$$\begin{array}{r} 581 \\ 5 \mid 2909 \\ \underline{25} \\ - - \\ 40 \\ \underline{40} \\ - - \end{array}$$

```

9
5
-
4 ← remainder

```

$$2909 \div 7 = 415 \text{ remainder } 4$$

```

    415
7 | 2909
  28
  --
   10
   7
   -
   39
   35
   --
    4 ← remainder

```

$$2909 \div 11 = 264 \text{ remainder } 5$$

```

    264
11 | 2909
   22
   --
   70
   66
   --
   49
   44
   --
    5 ← remainder

```

$$2909 \div 13 = 223 \text{ remainder } 10$$

```

    223
13 | 2909
   26
   --
   30
   26
   --
   49
   39

```

--
10 ← remainder

$$2909 \div 17 = 171 \text{ remainder } 2$$

171
17 | 2909
17
--
120
119

19
17
--
2 ← remainder

$$2909 \div 19 = 153 \text{ remainder } 2$$

153
19 | 2909
19
--
100
95
--
59
57
--
2 ← remainder

$$2909 \div 23 = 126 \text{ remainder } 11$$

126
23 | 2909
23
--
60
46
--
149
138

11 ← remainder

$$2909 \div 29 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 29 \overline{) 2909} \\ \underline{29} \\ 0 \\ 0 \\ \underline{} \\ 9 \\ \underline{} \\ 0 \\ \underline{} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 31 = 93 \text{ remainder } 26$$

$$\begin{array}{r} 93 \\ 31 \overline{) 2909} \\ \underline{279} \\ 119 \\ \underline{ 93} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 37 = 78 \text{ remainder } 23$$

$$\begin{array}{r} 78 \\ 37 \overline{) 2909} \\ \underline{259} \\ 319 \\ \underline{ 296} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$2909 \div 41 = 70 \text{ remainder } 39$$

$$\begin{array}{r} 70 \\ 41 \overline{) 2909} \\ \underline{287} \\ 39 \\ \underline{ 0} \\ 0 \end{array}$$

-
39 ← remainder

$$2909 \div 43 = 67 \text{ remainder } 28$$

67
43 | 2909
258

329
301

28 ← remainder

$$2909 \div 47 = 61 \text{ remainder } 42$$

61
47 | 2909
282

89
47
--
42 ← remainder

$$2909 \div 53 = 54 \text{ remainder } 47$$

54
53 | 2909
265

259
212

47 ← remainder

P₄₂₂ 2917

$$2917 \div 2 = 1458 \text{ remainder } 1$$

$$\begin{array}{r} 1458 \\ 2 \mid 2917 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2917 \div 3 = 972 \text{ remainder } 1$$

$$\begin{array}{r} 972 \\ 3 \mid 2917 \\ \underline{27} \\ - - \\ 21 \\ \underline{21} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2917 \div 5 = 583 \text{ remainder } 2$$

$$\begin{array}{r} 583 \\ 5 \mid 2917 \\ \underline{25} \\ - - \\ 41 \\ \underline{40} \\ - - \end{array}$$

17
 15
 --
 2 ← remainder

$$2917 \div 7 = 416 \text{ remainder } 5$$

416
 7 | 2917
 28
 --
 11
 7
 -
 47
 42
 --
 5 ← remainder

$$2917 \div 11 = 265 \text{ remainder } 2$$

265
 11 | 2917
 22
 --
 71
 66
 --
 57
 55
 --
 2 ← remainder

$$2917 \div 13 = 224 \text{ remainder } 5$$

224
 13 | 2917
 26
 --
 31
 26
 --
 57
 52

--
5 ← remainder

$$2917 \div 17 = 171 \text{ remainder } 10$$

171
17 | 2917
17
--
121
119

27
17
--
10 ← remainder

$$2917 \div 19 = 153 \text{ remainder } 10$$

153
19 | 2917
19
--
101
95
--
67
57
--
10 ← remainder

$$2917 \div 23 = 126 \text{ remainder } 19$$

126
23 | 2917
23
--
61
46
--
157
138

19 ← remainder

$$2917 \div 29 = 100 \text{ remainder } 17$$

$$\begin{array}{r}
 100 \\
 29 \overline{) 2917} \\
 \underline{29} \\
 -- \\
 1 \\
 0 \\
 - \\
 17 \\
 0 \\
 - \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$2917 \div 31 = 94 \text{ remainder } 3$$

$$\begin{array}{r}
 94 \\
 31 \overline{) 2917} \\
 \underline{279} \\
 --- \\
 127 \\
 \underline{124} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2917 \div 37 = 78 \text{ remainder } 31$$

$$\begin{array}{r}
 78 \\
 37 \overline{) 2917} \\
 \underline{259} \\
 --- \\
 327 \\
 \underline{296} \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$2917 \div 41 = 71 \text{ remainder } 6$$

$$\begin{array}{r}
 71 \\
 41 \overline{) 2917} \\
 \underline{287} \\
 --- \\
 47 \\
 \underline{41} \\

 \end{array}$$

--
6 ← remainder

$$2917 \div 43 = 67 \text{ remainder } 36$$

67
43 | 2917
258

337
301

36 ← remainder

$$2917 \div 47 = 62 \text{ remainder } 3$$

62
47 | 2917
282

97
94
--
3 ← remainder

$$2917 \div 53 = 55 \text{ remainder } 2$$

55
53 | 2917
265

267
265

2 ← remainder

P₄₂₃ 2927

$$2927 \div 2 = 1463 \text{ remainder } 1$$

$$\begin{array}{r} 1463 \\ 2 \mid 2927 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2927 \div 3 = 975 \text{ remainder } 2$$

$$\begin{array}{r} 975 \\ 3 \mid 2927 \\ \underline{27} \\ - - \\ 22 \\ \underline{21} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2927 \div 5 = 585 \text{ remainder } 2$$

$$\begin{array}{r} 585 \\ 5 \mid 2927 \\ \underline{25} \\ - - \\ 42 \\ \underline{40} \\ - - \end{array}$$

27
 25
 --
 2 ← remainder

$$2927 \div 7 = 418 \text{ remainder } 1$$

418
 7 | 2927
 28
 --
 12
 7
 -
 57
 56
 --
 1 ← remainder

$$2927 \div 11 = 266 \text{ remainder } 1$$

266
 11 | 2927
 22
 --
 72
 66
 --
 67
 66
 --
 1 ← remainder

$$2927 \div 13 = 225 \text{ remainder } 2$$

225
 13 | 2927
 26
 --
 32
 26
 --
 67
 65

--
2 ← remainder

$$2927 \div 17 = 172 \text{ remainder } 3$$

172
17 | 2927
17
--
122
119

37
34
--
3 ← remainder

$$2927 \div 19 = 154 \text{ remainder } 1$$

154
19 | 2927
19
--
102
95
--
77
76
--
1 ← remainder

$$2927 \div 23 = 127 \text{ remainder } 6$$

127
23 | 2927
23
--
62
46
--
167
161

6 ← remainder

$$2927 \div 29 = 100 \text{ remainder } 27$$

$$\begin{array}{r}
 100 \\
 29 \overline{) 2927} \\
 \underline{29} \\
 2 \\
 0 \\
 - \\
 27 \\
 0 \\
 - \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$2927 \div 31 = 94 \text{ remainder } 13$$

$$\begin{array}{r}
 94 \\
 31 \overline{) 2927} \\
 \underline{279} \\
 137 \\
 \underline{124} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2927 \div 37 = 79 \text{ remainder } 4$$

$$\begin{array}{r}
 79 \\
 37 \overline{) 2927} \\
 \underline{259} \\
 337 \\
 \underline{333} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$2927 \div 41 = 71 \text{ remainder } 16$$

$$\begin{array}{r}
 71 \\
 41 \overline{) 2927} \\
 \underline{287} \\
 57 \\
 \underline{41}
 \end{array}$$

--

16 ← remainder

$$2927 \div 43 = 68 \text{ remainder } 3$$

$$\begin{array}{r} 68 \\ 43 \overline{) 2927} \\ \underline{258} \end{array}$$

347

344

3 ← remainder

$$2927 \div 47 = 62 \text{ remainder } 13$$

$$\begin{array}{r} 62 \\ 47 \overline{) 2927} \\ \underline{282} \end{array}$$

107

94

--

13 ← remainder

$$2927 \div 53 = 55 \text{ remainder } 12$$

$$\begin{array}{r} 55 \\ 53 \overline{) 2927} \\ \underline{265} \end{array}$$

277

265

12 ← remainder

P₄₂₄ 2939

$$2939 \div 2 = 1469 \text{ remainder } 1$$

$$\begin{array}{r} 1469 \\ 2 \mid 2939 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 13 \\ \underline{12} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2939 \div 3 = 979 \text{ remainder } 2$$

$$\begin{array}{r} 979 \\ 3 \mid 2939 \\ \underline{27} \\ - \\ 23 \\ \underline{21} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2939 \div 5 = 587 \text{ remainder } 4$$

$$\begin{array}{r} 587 \\ 5 \mid 2939 \\ \underline{25} \\ - \\ 43 \\ \underline{40} \\ - \end{array}$$

39
 35
 --
 4 ← remainder

$$2939 \div 7 = 419 \text{ remainder } 6$$

419
 7 | 2939
 28
 --
 13
 7
 -
 69
 63
 --
 6 ← remainder

$$2939 \div 11 = 267 \text{ remainder } 2$$

267
 11 | 2939
 22
 --
 73
 66
 --
 79
 77
 --
 2 ← remainder

$$2939 \div 13 = 226 \text{ remainder } 1$$

226
 13 | 2939
 26
 --
 33
 26
 --
 79
 78

--
1 ← remainder

$$2939 \div 17 = 172 \text{ remainder } 15$$

172
17 | 2939
17
--
123
119

49
34
--
15 ← remainder

$$2939 \div 19 = 154 \text{ remainder } 13$$

154
19 | 2939
19
--
103
95
--
89
76
--
13 ← remainder

$$2939 \div 23 = 127 \text{ remainder } 18$$

127
23 | 2939
23
--
63
46
--
179
161

18 ← remainder

$$2939 \div 29 = 101 \text{ remainder } 10$$

$$\begin{array}{r}
 101 \\
 29 \overline{) 2939} \\
 \underline{29} \\
 -- \\
 3 \\
 \underline{0} \\
 - \\
 39 \\
 \underline{29} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$2939 \div 31 = 94 \text{ remainder } 25$$

$$\begin{array}{r}
 94 \\
 31 \overline{) 2939} \\
 \underline{279} \\
 --- \\
 149 \\
 \underline{124} \\
 --- \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$2939 \div 37 = 79 \text{ remainder } 16$$

$$\begin{array}{r}
 79 \\
 37 \overline{) 2939} \\
 \underline{259} \\
 --- \\
 349 \\
 \underline{333} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$2939 \div 41 = 71 \text{ remainder } 28$$

$$\begin{array}{r}
 71 \\
 41 \overline{) 2939} \\
 \underline{287} \\
 --- \\
 69 \\
 \underline{41} \\

 \end{array}$$

--
28 ← remainder

$$2939 \div 43 = 68 \text{ remainder } 15$$

68
43 | 2939
258

359
344

15 ← remainder

$$2939 \div 47 = 62 \text{ remainder } 25$$

62
47 | 2939
282

119
94
--
25 ← remainder

$$2939 \div 53 = 55 \text{ remainder } 24$$

55
53 | 2939
265

289
265

24 ← remainder

P₄₂₅ 2953

$$2953 \div 2 = 1476 \text{ remainder } 1$$

$$\begin{array}{r} 1476 \\ 2 \mid 2953 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 15 \\ \underline{14} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2953 \div 3 = 984 \text{ remainder } 1$$

$$\begin{array}{r} 984 \\ 3 \mid 2953 \\ \underline{27} \\ - \\ 25 \\ \underline{24} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2953 \div 5 = 590 \text{ remainder } 3$$

$$\begin{array}{r} 590 \\ 5 \mid 2953 \\ \underline{25} \\ - \\ 45 \\ \underline{45} \\ - \end{array}$$

```

3
0
-
3 ← remainder

```

$$2953 \div 7 = 421 \text{ remainder } 6$$

```

421
7 | 2953
  28
  --
  15
  14
  --
  13
   7
   -
   6 ← remainder

```

$$2953 \div 11 = 268 \text{ remainder } 5$$

```

268
11 | 2953
   22
   --
   75
   66
   --
   93
   88
   --
   5 ← remainder

```

$$2953 \div 13 = 227 \text{ remainder } 2$$

```

227
13 | 2953
   26
   --
   35
   26
   --
   93
   91

```

--
2 ← remainder

$$2953 \div 17 = 173 \text{ remainder } 12$$

173
17 | 2953
17
--
125
119

63
51
--
12 ← remainder

$$2953 \div 19 = 155 \text{ remainder } 8$$

155
19 | 2953
19
--
105
95
--
103
95
--
8 ← remainder

$$2953 \div 23 = 128 \text{ remainder } 9$$

128
23 | 2953
23
--
65
46
--
193
184

9 ← remainder

$$2953 \div 29 = 101 \text{ remainder } 24$$

$$\begin{array}{r}
 101 \\
 29 \overline{) 2953} \\
 \underline{29} \\
 -- \\
 5 \\
 0 \\
 - \\
 53 \\
 \underline{29} \\
 -- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$2953 \div 31 = 95 \text{ remainder } 8$$

$$\begin{array}{r}
 95 \\
 31 \overline{) 2953} \\
 \underline{279} \\
 --- \\
 163 \\
 \underline{155} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$2953 \div 37 = 79 \text{ remainder } 30$$

$$\begin{array}{r}
 79 \\
 37 \overline{) 2953} \\
 \underline{259} \\
 --- \\
 363 \\
 \underline{333} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$2953 \div 41 = 72 \text{ remainder } 1$$

$$\begin{array}{r}
 72 \\
 41 \overline{) 2953} \\
 \underline{287} \\
 --- \\
 83 \\
 \underline{82} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

--
1 ← remainder

$$2953 \div 43 = 68 \text{ remainder } 29$$

68
43 | 2953
258

373
344

29 ← remainder

$$2953 \div 47 = 62 \text{ remainder } 39$$

62
47 | 2953
282

133
94
--
39 ← remainder

$$2953 \div 53 = 55 \text{ remainder } 38$$

55
53 | 2953
265

303
265

38 ← remainder

P₄₂₆ 2957

$$2957 \div 2 = 1478 \text{ remainder } 1$$

$$\begin{array}{r} 1478 \\ 2 \mid 2957 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 15 \\ \underline{14} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2957 \div 3 = 985 \text{ remainder } 2$$

$$\begin{array}{r} 985 \\ 3 \mid 2957 \\ \underline{27} \\ - - \\ 25 \\ \underline{24} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2957 \div 5 = 591 \text{ remainder } 2$$

$$\begin{array}{r} 591 \\ 5 \mid 2957 \\ \underline{25} \\ - - \\ 45 \\ \underline{45} \\ - - \end{array}$$

```

7
5
-
2 ← remainder

```

$$2957 \div 7 = 422 \text{ remainder } 3$$

```

      422
7 | 2957
  28
  --
   15
   14
   --
   17
   14
   --
   3 ← remainder

```

$$2957 \div 11 = 268 \text{ remainder } 9$$

```

      268
11 | 2957
   22
   --
   75
   66
   --
   97
   88
   --
   9 ← remainder

```

$$2957 \div 13 = 227 \text{ remainder } 6$$

```

      227
13 | 2957
   26
   --
   35
   26
   --
   97
   91

```


--
6 ← remainder

$$2957 \div 17 = 173 \text{ remainder } 16$$

173
17 | 2957
17
--
125
119

67
51
--
16 ← remainder

$$2957 \div 19 = 155 \text{ remainder } 12$$

155
19 | 2957
19
--
105
95
--
107
95
--
12 ← remainder

$$2957 \div 23 = 128 \text{ remainder } 13$$

128
23 | 2957
23
--
65
46
--
197
184

13 ← remainder

$$2957 \div 29 = 101 \text{ remainder } 28$$

$$\begin{array}{r}
 101 \\
 29 \overline{) 2957} \\
 \underline{29} \\
 5 \\
 \underline{0} \\
 57 \\
 \underline{29} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$2957 \div 31 = 95 \text{ remainder } 12$$

$$\begin{array}{r}
 95 \\
 31 \overline{) 2957} \\
 \underline{279} \\
 167 \\
 \underline{155} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2957 \div 37 = 79 \text{ remainder } 34$$

$$\begin{array}{r}
 79 \\
 37 \overline{) 2957} \\
 \underline{259} \\
 367 \\
 \underline{333} \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$2957 \div 41 = 72 \text{ remainder } 5$$

$$\begin{array}{r}
 72 \\
 41 \overline{) 2957} \\
 \underline{287} \\
 87 \\
 \underline{82} \\
 5
 \end{array}$$

--
5 ← remainder

$$2957 \div 43 = 68 \text{ remainder } 33$$

68
43 | 2957
258

377
344

33 ← remainder

$$2957 \div 47 = 62 \text{ remainder } 43$$

62
47 | 2957
282

137
94
--
43 ← remainder

$$2957 \div 53 = 55 \text{ remainder } 42$$

55
53 | 2957
265

307
265

42 ← remainder

P₄₂₇ 2963

$$2963 \div 2 = 1481 \text{ remainder } 1$$

$$\begin{array}{r} 1481 \\ 2 \mid 2963 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 16 \\ \underline{16} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2963 \div 3 = 987 \text{ remainder } 2$$

$$\begin{array}{r} 987 \\ 3 \mid 2963 \\ \underline{27} \\ - - \\ 26 \\ \underline{24} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2963 \div 5 = 592 \text{ remainder } 3$$

$$\begin{array}{r} 592 \\ 5 \mid 2963 \\ \underline{25} \\ - - \\ 46 \\ \underline{45} \\ - - \end{array}$$

13
10
--
3 ← remainder

$$2963 \div 7 = 423 \text{ remainder } 2$$

423
7 | 2963
28
--
16
14
--
23
21
--
2 ← remainder

$$2963 \div 11 = 269 \text{ remainder } 4$$

269
11 | 2963
22
--
76
66
--
103
99
--
4 ← remainder

$$2963 \div 13 = 227 \text{ remainder } 12$$

227
13 | 2963
26
--
36
26
--
103
91

--
12 ← remainder

$$2963 \div 17 = 174 \text{ remainder } 5$$

174
17 | 2963
17
--
126
119

73
68
--
5 ← remainder

$$2963 \div 19 = 155 \text{ remainder } 18$$

155
19 | 2963
19
--
106
95
--
113
95
--
18 ← remainder

$$2963 \div 23 = 128 \text{ remainder } 19$$

128
23 | 2963
23
--
66
46
--
203
184

19 ← remainder

$$2963 \div 29 = 102 \text{ remainder } 5$$

$$\begin{array}{r}
 102 \\
 29 \overline{) 2963} \\
 \underline{29} \\
 6 \\
 \underline{0} \\
 63 \\
 \underline{58} \\
 5 \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$2963 \div 31 = 95 \text{ remainder } 18$$

$$\begin{array}{r}
 95 \\
 31 \overline{) 2963} \\
 \underline{279} \\
 173 \\
 \underline{155} \\
 18 \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$2963 \div 37 = 80 \text{ remainder } 3$$

$$\begin{array}{r}
 80 \\
 37 \overline{) 2963} \\
 \underline{296} \\
 3 \\
 \underline{0} \\
 3 \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$2963 \div 41 = 72 \text{ remainder } 11$$

$$\begin{array}{r}
 72 \\
 41 \overline{) 2963} \\
 \underline{287} \\
 93 \\
 \underline{82} \\
 11
 \end{array}$$

--

11 ← remainder

$$2963 \div 43 = 68 \text{ remainder } 39$$

$$\begin{array}{r} 68 \\ 43 \overline{) 2963} \\ \underline{258} \end{array}$$

383

344

39 ← remainder

$$2963 \div 47 = 63 \text{ remainder } 2$$

$$\begin{array}{r} 63 \\ 47 \overline{) 2963} \\ \underline{282} \end{array}$$

143

141

2 ← remainder

$$2963 \div 53 = 55 \text{ remainder } 48$$

$$\begin{array}{r} 55 \\ 53 \overline{) 2963} \\ \underline{265} \end{array}$$

313

265

48 ← remainder

P₄₂₈ 2969

$$2969 \div 2 = 1484 \text{ remainder } 1$$

$$\begin{array}{r} 1484 \\ 2 \mid 2969 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2969 \div 3 = 989 \text{ remainder } 2$$

$$\begin{array}{r} 989 \\ 3 \mid 2969 \\ \underline{27} \\ - - \\ 26 \\ \underline{24} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2969 \div 5 = 593 \text{ remainder } 4$$

$$\begin{array}{r} 593 \\ 5 \mid 2969 \\ \underline{25} \\ - - \\ 46 \\ \underline{45} \\ - - \end{array}$$

19
15
--
4 ← remainder

$$2969 \div 7 = 424 \text{ remainder } 1$$

424
7 | 2969
28
--
16
14
--
29
28
--
1 ← remainder

$$2969 \div 11 = 269 \text{ remainder } 10$$

269
11 | 2969
22
--
76
66
--
109
99
--
10 ← remainder

$$2969 \div 13 = 228 \text{ remainder } 5$$

228
13 | 2969
26
--
36
26
--
109
104

5 ← remainder

$$2969 \div 17 = 174 \text{ remainder } 11$$

```
      174
17 | 2969
    17
    --
    126
    119
    ---
     79
     68
     --
    11 ← remainder
```

$$2969 \div 19 = 156 \text{ remainder } 5$$

```
      156
19 | 2969
    19
    --
    106
     95
     --
    119
    114
    ---
     5 ← remainder
```

$$2969 \div 23 = 129 \text{ remainder } 2$$

```
      129
23 | 2969
    23
    --
     66
     46
     --
    209
    207
    ---
     2 ← remainder
```

$$2969 \div 29 = 102 \text{ remainder } 11$$

$$\begin{array}{r}
 102 \\
 29 \overline{) 2969} \\
 \underline{29} \\
 6 \\
 \underline{0} \\
 69 \\
 \underline{58} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$2969 \div 31 = 95 \text{ remainder } 24$$

$$\begin{array}{r}
 95 \\
 31 \overline{) 2969} \\
 \underline{279} \\
 179 \\
 \underline{155} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$2969 \div 37 = 80 \text{ remainder } 9$$

$$\begin{array}{r}
 80 \\
 37 \overline{) 2969} \\
 \underline{296} \\
 9 \\
 \underline{0} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$2969 \div 41 = 72 \text{ remainder } 17$$

$$\begin{array}{r}
 72 \\
 41 \overline{) 2969} \\
 \underline{287} \\
 99 \\
 \underline{82}
 \end{array}$$

--
17 ← remainder

$$2969 \div 43 = 69 \text{ remainder } 2$$

69
43 | 2969
258

389
387

2 ← remainder

$$2969 \div 47 = 63 \text{ remainder } 8$$

63
47 | 2969
282

149
141

8 ← remainder

$$2969 \div 53 = 56 \text{ remainder } 1$$

56
53 | 2969
265

319
318

1 ← remainder

P₄₂₉ 2971

$$2971 \div 2 = 1485 \text{ remainder } 1$$

$$\begin{array}{r} 1485 \\ 2 \mid 2971 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2971 \div 3 = 990 \text{ remainder } 1$$

$$\begin{array}{r} 990 \\ 3 \mid 2971 \\ \underline{27} \\ - \\ 27 \\ \underline{27} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2971 \div 5 = 594 \text{ remainder } 1$$

$$\begin{array}{r} 594 \\ 5 \mid 2971 \\ \underline{25} \\ - \\ 47 \\ \underline{45} \\ - \end{array}$$

21
 20
 --
 1 ← remainder

$$2971 \div 7 = 424 \text{ remainder } 3$$

424
 7 | 2971
 28
 --
 17
 14
 --
 31
 28
 --
 3 ← remainder

$$2971 \div 11 = 270 \text{ remainder } 1$$

270
 11 | 2971
 22
 --
 77
 77
 --
 1
 0
 -
 1 ← remainder

$$2971 \div 13 = 228 \text{ remainder } 7$$

228
 13 | 2971
 26
 --
 37
 26
 --
 111
 104

7 ← remainder

$$2971 \div 17 = 174 \text{ remainder } 13$$

```
      174
17 | 2971
    17
    --
    127
    119
    ---
     81
     68
     --
    13 ← remainder
```

$$2971 \div 19 = 156 \text{ remainder } 7$$

```
      156
19 | 2971
    19
    --
    107
    95
    --
    121
    114
    ---
     7 ← remainder
```

$$2971 \div 23 = 129 \text{ remainder } 4$$

```
      129
23 | 2971
    23
    --
     67
     46
     --
     211
     207
     ---
      4 ← remainder
```


$$2971 \div 29 = 102 \text{ remainder } 13$$

$$\begin{array}{r}
 102 \\
 29 \overline{) 2971} \\
 \underline{29} \\
 7 \\
 \underline{0} \\
 71 \\
 \underline{58} \\
 13 \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$2971 \div 31 = 95 \text{ remainder } 26$$

$$\begin{array}{r}
 95 \\
 31 \overline{) 2971} \\
 \underline{279} \\
 181 \\
 \underline{155} \\
 26 \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$2971 \div 37 = 80 \text{ remainder } 11$$

$$\begin{array}{r}
 80 \\
 37 \overline{) 2971} \\
 \underline{296} \\
 11 \\
 \underline{0} \\
 11 \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$2971 \div 41 = 72 \text{ remainder } 19$$

$$\begin{array}{r}
 72 \\
 41 \overline{) 2971} \\
 \underline{287} \\
 101 \\
 \underline{82} \\
 19
 \end{array}$$

--

19 ← remainder

$$2971 \div 43 = 69 \text{ remainder } 4$$

$$\begin{array}{r} 69 \\ 43 \overline{) 2971} \\ \underline{258} \end{array}$$

391

387

4 ← remainder

$$2971 \div 47 = 63 \text{ remainder } 10$$

$$\begin{array}{r} 63 \\ 47 \overline{) 2971} \\ \underline{282} \end{array}$$

151

141

10 ← remainder

$$2971 \div 53 = 56 \text{ remainder } 3$$

$$\begin{array}{r} 56 \\ 53 \overline{) 2971} \\ \underline{265} \end{array}$$

321

318

3 ← remainder

P₄₃₀ 2999

$$2999 \div 2 = 1499 \text{ remainder } 1$$

$$\begin{array}{r} 1499 \\ 2 \mid 2999 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 19 \\ \underline{18} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$2999 \div 3 = 999 \text{ remainder } 2$$

$$\begin{array}{r} 999 \\ 3 \mid 2999 \\ \underline{27} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$2999 \div 5 = 599 \text{ remainder } 4$$

$$\begin{array}{r} 599 \\ 5 \mid 2999 \\ \underline{25} \\ -- \\ 49 \\ \underline{45} \\ -- \end{array}$$

49
 45
 --
 4 ← remainder

$$2999 \div 7 = 428 \text{ remainder } 3$$

428
 7 | 2999
 28
 --
 19
 14
 --
 59
 56
 --
 3 ← remainder

$$2999 \div 11 = 272 \text{ remainder } 7$$

272
 11 | 2999
 22
 --
 79
 77
 --
 29
 22
 --
 7 ← remainder

$$2999 \div 13 = 230 \text{ remainder } 9$$

230
 13 | 2999
 26
 --
 39
 39
 --
 9
 0

-
9 ← remainder

$$2999 \div 17 = 176 \text{ remainder } 7$$

```
      176
17 | 2999
    17
    --
    129
    119
    ---
    109
    102
    ---
    7 ← remainder
```

$$2999 \div 19 = 157 \text{ remainder } 16$$

```
      157
19 | 2999
    19
    --
    109
    95
    --
    149
    133
    ---
    16 ← remainder
```

$$2999 \div 23 = 130 \text{ remainder } 9$$

```
      130
23 | 2999
    23
    --
    69
    69
    --
    9
    0
    -
    9 ← remainder
```

$$2999 \div 29 = 103 \text{ remainder } 12$$

$$\begin{array}{r}
 103 \\
 29 \overline{) 2999} \\
 \underline{29} \\
 -- \\
 9 \\
 \underline{0} \\
 - \\
 99 \\
 \underline{87} \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$2999 \div 31 = 96 \text{ remainder } 23$$

$$\begin{array}{r}
 96 \\
 31 \overline{) 2999} \\
 \underline{279} \\
 --- \\
 209 \\
 \underline{186} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$2999 \div 37 = 81 \text{ remainder } 2$$

$$\begin{array}{r}
 81 \\
 37 \overline{) 2999} \\
 \underline{296} \\
 --- \\
 39 \\
 \underline{37} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$2999 \div 41 = 73 \text{ remainder } 6$$

$$\begin{array}{r}
 73 \\
 41 \overline{) 2999} \\
 \underline{287} \\
 --- \\
 129 \\
 \underline{123} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

6 ← remainder

$$2999 \div 43 = 69 \text{ remainder } 32$$

69
43 | 2999
258

419
387

32 ← remainder

$$2999 \div 47 = 63 \text{ remainder } 38$$

63
47 | 2999
282

179
141

38 ← remainder

$$2999 \div 53 = 56 \text{ remainder } 31$$

56
53 | 2999
265

349
318

31 ← remainder

P₄₃₁ 3001

$$3001 \div 2 = 1500 \text{ remainder } 1$$

$$\begin{array}{r} 1500 \\ 2 \overline{) 3001} \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3001 \div 3 = 1000 \text{ remainder } 1$$

$$\begin{array}{r} 1000 \\ 3 \overline{) 3001} \\ \underline{3} \\ - \\ 0 \\ 0 \\ - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3001 \div 5 = 600 \text{ remainder } 1$$

$$\begin{array}{r} 600 \\ 5 \overline{) 3001} \\ \underline{30} \\ - - \end{array}$$


```

0
0
-
1
0
-
1 ← remainder

```

$$3001 \div 7 = 428 \text{ remainder } 5$$

```

    428
7 | 3001
   28
  --
   20
   14
  --
   61
   56
  --
    5 ← remainder

```

$$3001 \div 11 = 272 \text{ remainder } 9$$

```

    272
11 | 3001
   22
  --
   80
   77
  --
   31
   22
  --
    9 ← remainder

```

$$3001 \div 13 = 230 \text{ remainder } 11$$

```

    230
13 | 3001
   26
  --
   40
   39
  --

```

```

--
11
0
-
11 ← remainder

```

$$3001 \div 17 = 176 \text{ remainder } 9$$

```

176
17 | 3001
   17
   --
   130
   119
   ---
   111
   102
   ---
   9 ← remainder

```

$$3001 \div 19 = 157 \text{ remainder } 18$$

```

157
19 | 3001
   19
   --
   110
   95
   --
   151
   133
   ---
   18 ← remainder

```

$$3001 \div 23 = 130 \text{ remainder } 11$$

```

130
23 | 3001
   23
   --
   70
   69
   --
   11

```

0
-
11 ← remainder

$$3001 \div 29 = 103 \text{ remainder } 14$$

103
29 | 3001
29
--
10
0
-
101
87
--
14 ← remainder

$$3001 \div 31 = 96 \text{ remainder } 25$$

96
31 | 3001
279

211
186

25 ← remainder

$$3001 \div 37 = 81 \text{ remainder } 4$$

81
37 | 3001
296

41
37
--
4 ← remainder

$$3001 \div 41 = 73 \text{ remainder } 8$$

73
41 | 3001

```

287
---
131
123
---
8 ← remainder

```

$$3001 \div 43 = 69 \text{ remainder } 34$$

```

    69
43 | 3001
    258
    ---
    421
    387
    ---
    34 ← remainder

```

$$3001 \div 47 = 63 \text{ remainder } 40$$

```

    63
47 | 3001
    282
    ---
    181
    141
    ---
    40 ← remainder

```

$$3001 \div 53 = 56 \text{ remainder } 33$$

```

    56
53 | 3001
    265
    ---
    351
    318
    ---
    33 ← remainder

```

P₄₃₂ 3011

$$3011 \div 2 = 1505 \text{ remainder } 1$$

$$\begin{array}{r} 1505 \\ 2 \mid 3011 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3011 \div 3 = 1003 \text{ remainder } 2$$

$$\begin{array}{r} 1003 \\ 3 \mid 3011 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3011 \div 5 = 602 \text{ remainder } 1$$

$$\begin{array}{r} 602 \\ 5 \mid 3011 \\ \underline{30} \\ - - \end{array}$$

```

1
0
-
11
10
--
1 ← remainder

```

$$3011 \div 7 = 430 \text{ remainder } 1$$

```

  430
7 | 3011
  28
  --
  21
  21
  --
   1
   0
   -
   1 ← remainder

```

$$3011 \div 11 = 273 \text{ remainder } 8$$

```

  273
11 | 3011
   22
   --
   81
   77
   --
   41
   33
   --
   8 ← remainder

```

$$3011 \div 13 = 231 \text{ remainder } 8$$

```

  231
13 | 3011
   26
   --
   41
   39

```

```

--
21
13
--
8 ← remainder

```

$$3011 \div 17 = 177 \text{ remainder } 2$$

```

177
17 | 3011
   17
   --
   131
   119
   ---
   121
   119
   ---
   2 ← remainder

```

$$3011 \div 19 = 158 \text{ remainder } 9$$

```

158
19 | 3011
   19
   --
   111
   95
   --
   161
   152
   ---
   9 ← remainder

```

$$3011 \div 23 = 130 \text{ remainder } 21$$

```

130
23 | 3011
   23
   --
   71
   69
   --
   21

```

0
-
21 ← remainder

$$3011 \div 29 = 103 \text{ remainder } 24$$

103
29 | 3011
29
--
11
0
-
111
87
--
24 ← remainder

$$3011 \div 31 = 97 \text{ remainder } 4$$

97
31 | 3011
279

221
217

4 ← remainder

$$3011 \div 37 = 81 \text{ remainder } 14$$

81
37 | 3011
296

51
37
--
14 ← remainder

$$3011 \div 41 = 73 \text{ remainder } 18$$

73
41 | 3011


```

287
---
141
123
---
18 ← remainder

```

$3011 \div 43 = 70 \text{ remainder } 1$

```

    70
43 | 3011
    301
    ---
     1
     0
     -
     1 ← remainder

```

$3011 \div 47 = 64 \text{ remainder } 3$

```

    64
47 | 3011
    282
    ---
    191
    188
    ---
     3 ← remainder

```

$3011 \div 53 = 56 \text{ remainder } 43$

```

    56
53 | 3011
    265
    ---
    361
    318
    ---
    43 ← remainder

```

P₄₃₃ 3019

$$3019 \div 2 = 1509 \text{ remainder } 1$$

$$\begin{array}{r} 1509 \\ 2 \overline{) 3019} \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3019 \div 3 = 1006 \text{ remainder } 1$$

$$\begin{array}{r} 1006 \\ 3 \overline{) 3019} \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3019 \div 5 = 603 \text{ remainder } 4$$

$$\begin{array}{r} 603 \\ 5 \overline{) 3019} \\ \underline{30} \\ - - \end{array}$$

```

1
0
-
19
15
--
4 ← remainder

```

$$3019 \div 7 = 431 \text{ remainder } 2$$

```

  431
7 | 3019
  28
  --
  21
  21
  --
   9
   7
   -
   2 ← remainder

```

$$3019 \div 11 = 274 \text{ remainder } 5$$

```

  274
11 | 3019
   22
   --
   81
   77
   --
   49
   44
   --
    5 ← remainder

```

$$3019 \div 13 = 232 \text{ remainder } 3$$

```

  232
13 | 3019
   26
   --
   41
   39

```

```

--
29
26
--
3 ← remainder

```

$$3019 \div 17 = 177 \text{ remainder } 10$$

```

177
17 | 3019
   17
   --
   131
   119
   ---
   129
   119
   ---
   10 ← remainder

```

$$3019 \div 19 = 158 \text{ remainder } 17$$

```

158
19 | 3019
   19
   --
   111
   95
   --
   169
   152
   ---
   17 ← remainder

```

$$3019 \div 23 = 131 \text{ remainder } 6$$

```

131
23 | 3019
   23
   --
   71
   69
   --
   29

```

23
 --
 6 ← remainder

$$3019 \div 29 = 104 \text{ remainder } 3$$

104
 29 | 3019
 29
 --
 11
 0
 -
 119
 116

 3 ← remainder

$$3019 \div 31 = 97 \text{ remainder } 12$$

97
 31 | 3019
 279

 229
 217

 12 ← remainder

$$3019 \div 37 = 81 \text{ remainder } 22$$

81
 37 | 3019
 296

 59
 37
 --
 22 ← remainder

$$3019 \div 41 = 73 \text{ remainder } 26$$

73
 41 | 3019

```

287
---
149
123
---
26 ← remainder

```

$3019 \div 43 = 70 \text{ remainder } 9$

```

      70
43 | 3019
    301
    ---
      9
      0
      -
      9 ← remainder

```

$3019 \div 47 = 64 \text{ remainder } 11$

```

      64
47 | 3019
    282
    ---
     199
     188
     ---
      11 ← remainder

```

$3019 \div 53 = 56 \text{ remainder } 51$

```

      56
53 | 3019
    265
    ---
     369
     318
     ---
      51 ← remainder

```

P₄₃₄ 3023

$$3023 \div 2 = 1511 \text{ remainder } 1$$

$$\begin{array}{r} 1511 \\ 2 \mid 3023 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ -- \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3023 \div 3 = 1007 \text{ remainder } 2$$

$$\begin{array}{r} 1007 \\ 3 \mid 3023 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3023 \div 5 = 604 \text{ remainder } 3$$

$$\begin{array}{r} 604 \\ 5 \mid 3023 \\ \underline{30} \\ -- \end{array}$$

```

2
0
-
23
20
--
3 ← remainder

```

$$3023 \div 7 = 431 \text{ remainder } 6$$

```

431
7 | 3023
28
--
22
21
--
13
7
-
6 ← remainder

```

$$3023 \div 11 = 274 \text{ remainder } 9$$

```

274
11 | 3023
22
--
82
77
--
53
44
--
9 ← remainder

```

$$3023 \div 13 = 232 \text{ remainder } 7$$

```

232
13 | 3023
26
--
42
39

```



```

--
33
26
--
7 ← remainder

```

$$3023 \div 17 = 177 \text{ remainder } 14$$

```

177
17 | 3023
   17
   --
   132
   119
   ---
   133
   119
   ---
   14 ← remainder

```

$$3023 \div 19 = 159 \text{ remainder } 2$$

```

159
19 | 3023
   19
   --
   112
   95
   --
   173
   171
   ---
   2 ← remainder

```

$$3023 \div 23 = 131 \text{ remainder } 10$$

```

131
23 | 3023
   23
   --
   72
   69
   --
   33

```

23

--

10 ← remainder

$$3023 \div 29 = 104 \text{ remainder } 7$$

104
29 | 3023
29

--

12

0

-

123

116

7 ← remainder

$$3023 \div 31 = 97 \text{ remainder } 16$$

97
31 | 3023
279

233

217

16 ← remainder

$$3023 \div 37 = 81 \text{ remainder } 26$$

81
37 | 3023
296

63

37

--

26 ← remainder

$$3023 \div 41 = 73 \text{ remainder } 30$$

73
41 | 3023

```

287
---
153
123
---
30 ← remainder

```

$$3023 \div 43 = 70 \text{ remainder } 13$$

```

    70
43 | 3023
    301
    ---
    13
    0
    -
    13 ← remainder

```

$$3023 \div 47 = 64 \text{ remainder } 15$$

```

    64
47 | 3023
    282
    ---
    203
    188
    ---
    15 ← remainder

```

$$3023 \div 53 = 57 \text{ remainder } 2$$

```

    57
53 | 3023
    265
    ---
    373
    371
    ---
    2 ← remainder

```

P₄₃₅ 3037

$$3037 \div 2 = 1518 \text{ remainder } 1$$

$$\begin{array}{r} 1518 \\ 2 \mid 3037 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ -- \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3037 \div 3 = 1012 \text{ remainder } 1$$

$$\begin{array}{r} 1012 \\ 3 \mid 3037 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3037 \div 5 = 607 \text{ remainder } 2$$

$$\begin{array}{r} 607 \\ 5 \mid 3037 \\ \underline{30} \\ -- \end{array}$$

```

3
0
-
37
35
--
2 ← remainder

```

$$3037 \div 7 = 433 \text{ remainder } 6$$

```

433
7 | 3037
28
--
23
21
--
27
21
--
6 ← remainder

```

$$3037 \div 11 = 276 \text{ remainder } 1$$

```

276
11 | 3037
22
--
83
77
--
67
66
--
1 ← remainder

```

$$3037 \div 13 = 233 \text{ remainder } 8$$

```

233
13 | 3037
26
--
43
39

```

```

--
47
39
--
8 ← remainder

```

$$3037 \div 17 = 178 \text{ remainder } 11$$

```

178
17 | 3037
   17
   --
   133
   119
   ---
   147
   136
   ---
   11 ← remainder

```

$$3037 \div 19 = 159 \text{ remainder } 16$$

```

159
19 | 3037
   19
   --
   113
   95
   --
   187
   171
   ---
   16 ← remainder

```

$$3037 \div 23 = 132 \text{ remainder } 1$$

```

132
23 | 3037
   23
   --
   73
   69
   --
   47

```

46

--

1 ← remainder

$$3037 \div 29 = 104 \text{ remainder } 21$$

104
29 | 3037
29

--

13

0

-

137

116

21 ← remainder

$$3037 \div 31 = 97 \text{ remainder } 30$$

97
31 | 3037
279

247

217

30 ← remainder

$$3037 \div 37 = 82 \text{ remainder } 3$$

82
37 | 3037
296

77

74

--

3 ← remainder

$$3037 \div 41 = 74 \text{ remainder } 3$$

74
41 | 3037

```

287
---
167
164
---
3 ← remainder

```

$$3037 \div 43 = 70 \text{ remainder } 27$$

```

    70
43 | 3037
    301
    ---
     27
     0
     -
     27 ← remainder

```

$$3037 \div 47 = 64 \text{ remainder } 29$$

```

    64
47 | 3037
    282
    ---
     217
     188
     ---
     29 ← remainder

```

$$3037 \div 53 = 57 \text{ remainder } 16$$

```

    57
53 | 3037
    265
    ---
     387
     371
     ---
     16 ← remainder

```


P₄₃₆ 3041

$$3041 \div 2 = 1520 \text{ remainder } 1$$

$$\begin{array}{r} 1520 \\ 2 \mid 3041 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3041 \div 3 = 1013 \text{ remainder } 2$$

$$\begin{array}{r} 1013 \\ 3 \mid 3041 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3041 \div 5 = 608 \text{ remainder } 1$$

$$\begin{array}{r} 608 \\ 5 \mid 3041 \\ \underline{30} \\ - - \end{array}$$

```

4
0
-
41
40
--
1 ← remainder

```

$$3041 \div 7 = 434 \text{ remainder } 3$$

```

      434
7 | 3041
   28
   --
   24
   21
   --
   31
   28
   --
   3 ← remainder

```

$$3041 \div 11 = 276 \text{ remainder } 5$$

```

      276
11 | 3041
   22
   --
   84
   77
   --
   71
   66
   --
   5 ← remainder

```

$$3041 \div 13 = 233 \text{ remainder } 12$$

```

      233
13 | 3041
   26
   --
   44
   39

```

```

--
51
39
--
12 ← remainder

```

$$3041 \div 17 = 178 \text{ remainder } 15$$

```

178
17 | 3041
   17
   --
   134
   119
   ---
   151
   136
   ---
   15 ← remainder

```

$$3041 \div 19 = 160 \text{ remainder } 1$$

```

160
19 | 3041
   19
   --
   114
   114
   ---
   1
   0
   -
   1 ← remainder

```

$$3041 \div 23 = 132 \text{ remainder } 5$$

```

132
23 | 3041
   23
   --
   74
   69
   --
   51

```

46
 --
 5 ← remainder

$$3041 \div 29 = 104 \text{ remainder } 25$$

104
 29 | 3041
 29
 --
 14
 0
 -
 141
 116

 25 ← remainder

$$3041 \div 31 = 98 \text{ remainder } 3$$

98
 31 | 3041
 279

 251
 248

 3 ← remainder

$$3041 \div 37 = 82 \text{ remainder } 7$$

82
 37 | 3041
 296

 81
 74
 --
 7 ← remainder

$$3041 \div 41 = 74 \text{ remainder } 7$$

74
 41 | 3041

```

287
---
171
164
---
7 ← remainder

```

$$3041 \div 43 = 70 \text{ remainder } 31$$

```

      70
43 | 3041
    301
    ---
     31
     0
     -
     31 ← remainder

```

$$3041 \div 47 = 64 \text{ remainder } 33$$

```

      64
47 | 3041
    282
    ---
     221
     188
     ---
     33 ← remainder

```

$$3041 \div 53 = 57 \text{ remainder } 20$$

```

      57
53 | 3041
    265
    ---
     391
     371
     ---
     20 ← remainder

```

P₄₃₇ 3049

$$3049 \div 2 = 1524 \text{ remainder } 1$$

$$\begin{array}{r} 1524 \\ 2 \mid 3049 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3049 \div 3 = 1016 \text{ remainder } 1$$

$$\begin{array}{r} 1016 \\ 3 \mid 3049 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3049 \div 5 = 609 \text{ remainder } 4$$

$$\begin{array}{r} 609 \\ 5 \mid 3049 \\ \underline{30} \\ - - \end{array}$$

```

4
0
-
49
45
--
4 ← remainder

```

$$3049 \div 7 = 435 \text{ remainder } 4$$

```

    435
7 | 3049
   28
   --
   24
   21
   --
   39
   35
   --
   4 ← remainder

```

$$3049 \div 11 = 277 \text{ remainder } 2$$

```

    277
11 | 3049
   22
   --
   84
   77
   --
   79
   77
   --
   2 ← remainder

```

$$3049 \div 13 = 234 \text{ remainder } 7$$

```

    234
13 | 3049
   26
   --
   44
   39

```

```

--
59
52
--
7 ← remainder

```

$$3049 \div 17 = 179 \text{ remainder } 6$$

```

179
17 | 3049
   17
   --
   134
   119
   ---
   159
   153
   ---
   6 ← remainder

```

$$3049 \div 19 = 160 \text{ remainder } 9$$

```

160
19 | 3049
   19
   --
   114
   114
   ---
   9
   0
   -
   9 ← remainder

```

$$3049 \div 23 = 132 \text{ remainder } 13$$

```

132
23 | 3049
   23
   --
   74
   69
   --
   59

```


46

--

13 ← remainder

$$3049 \div 29 = 105 \text{ remainder } 4$$

105
29 | 3049
29

--

14

0

-

149

145

4 ← remainder

$$3049 \div 31 = 98 \text{ remainder } 11$$

98
31 | 3049
279

259

248

11 ← remainder

$$3049 \div 37 = 82 \text{ remainder } 15$$

82
37 | 3049
296

89

74

--

15 ← remainder

$$3049 \div 41 = 74 \text{ remainder } 15$$

74
41 | 3049

```

287
---
179
164
---
15 ← remainder

```

$3049 \div 43 = 70 \text{ remainder } 39$

```

    70
43 | 3049
    301
    ---
     39
     0
     -
     39 ← remainder

```

$3049 \div 47 = 64 \text{ remainder } 41$

```

    64
47 | 3049
    282
    ---
    229
    188
    ---
    41 ← remainder

```

$3049 \div 53 = 57 \text{ remainder } 28$

```

    57
53 | 3049
    265
    ---
    399
    371
    ---
    28 ← remainder

```

P₄₃₈ 3061

$$3061 \div 2 = 1530 \text{ remainder } 1$$

$$\begin{array}{r} 1530 \\ 2 \mid 3061 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3061 \div 3 = 1020 \text{ remainder } 1$$

$$\begin{array}{r} 1020 \\ 3 \mid 3061 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3061 \div 5 = 612 \text{ remainder } 1$$

$$\begin{array}{r} 612 \\ 5 \mid 3061 \\ \underline{30} \\ - - \end{array}$$

```

6
5
-
11
10
--
1 ← remainder

```

$$3061 \div 7 = 437 \text{ remainder } 2$$

```

    437
7 | 3061
   28
   --
   26
   21
   --
   51
   49
   --
   2 ← remainder

```

$$3061 \div 11 = 278 \text{ remainder } 3$$

```

    278
11 | 3061
   22
   --
   86
   77
   --
   91
   88
   --
   3 ← remainder

```

$$3061 \div 13 = 235 \text{ remainder } 6$$

```

    235
13 | 3061
   26
   --
   46
   39

```

```

--
71
65
--
6 ← remainder

```

$$3061 \div 17 = 180 \text{ remainder } 1$$

```

      180
17 | 3061
    17
    --
    136
    136
    ---
      1
      0
      -
      1 ← remainder

```

$$3061 \div 19 = 161 \text{ remainder } 2$$

```

      161
19 | 3061
    19
    --
    116
    114
    ---
      21
      19
      --
      2 ← remainder

```

$$3061 \div 23 = 133 \text{ remainder } 2$$

```

      133
23 | 3061
    23
    --
     76
     69
     --
      71

```

69
 --
 2 ← remainder

$$3061 \div 29 = 105 \text{ remainder } 16$$

105
 29 | 3061
 29
 --
 16
 0
 -
 161
 145

 16 ← remainder

$$3061 \div 31 = 98 \text{ remainder } 23$$

98
 31 | 3061
 279

 271
 248

 23 ← remainder

$$3061 \div 37 = 82 \text{ remainder } 27$$

82
 37 | 3061
 296

 101
 74
 --
 27 ← remainder

$$3061 \div 41 = 74 \text{ remainder } 27$$

74
 41 | 3061

```

287
---
191
164
---
27 ← remainder

```

$$3061 \div 43 = 71 \text{ remainder } 8$$

```

    71
43 | 3061
    301
    ---
     51
     43
     --
      8 ← remainder

```

$$3061 \div 47 = 65 \text{ remainder } 6$$

```

    65
47 | 3061
    282
    ---
     241
     235
     ---
      6 ← remainder

```

$$3061 \div 53 = 57 \text{ remainder } 40$$

```

    57
53 | 3061
    265
    ---
     411
     371
     ---
     40 ← remainder

```

P₄₃₉ 3067

$$3067 \div 2 = 1533 \text{ remainder } 1$$

$$\begin{array}{r} 1533 \\ 2 \mid 3067 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ -- \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3067 \div 3 = 1022 \text{ remainder } 1$$

$$\begin{array}{r} 1022 \\ 3 \mid 3067 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3067 \div 5 = 613 \text{ remainder } 2$$

$$\begin{array}{r} 613 \\ 5 \mid 3067 \\ \underline{30} \\ -- \end{array}$$


```

6
5
-
17
15
--
2 ← remainder

```

$$3067 \div 7 = 438 \text{ remainder } 1$$

```

438
7 | 3067
28
--
26
21
--
57
56
--
1 ← remainder

```

$$3067 \div 11 = 278 \text{ remainder } 9$$

```

278
11 | 3067
22
--
86
77
--
97
88
--
9 ← remainder

```

$$3067 \div 13 = 235 \text{ remainder } 12$$

```

235
13 | 3067
26
--
46
39

```

```

--
77
65
--
12 ← remainder

```

$$3067 \div 17 = 180 \text{ remainder } 7$$

```

      180
17 | 3067
    17
    --
    136
    136
    ---
     7
     0
     -
     7 ← remainder

```

$$3067 \div 19 = 161 \text{ remainder } 8$$

```

      161
19 | 3067
    19
    --
    116
    114
    ---
     27
     19
     --
     8 ← remainder

```

$$3067 \div 23 = 133 \text{ remainder } 8$$

```

      133
23 | 3067
    23
    --
    76
    69
    --
    77

```

69
 --
 8 ← remainder

$$3067 \div 29 = 105 \text{ remainder } 22$$

105
 29 | 3067
 29
 --
 16
 0
 -
 167
 145

 22 ← remainder

$$3067 \div 31 = 98 \text{ remainder } 29$$

98
 31 | 3067
 279

 277
 248

 29 ← remainder

$$3067 \div 37 = 82 \text{ remainder } 33$$

82
 37 | 3067
 296

 107
 74
 --
 33 ← remainder

$$3067 \div 41 = 74 \text{ remainder } 33$$

74
 41 | 3067

```

287
---
197
164
---
33 ← remainder

```

$$3067 \div 43 = 71 \text{ remainder } 14$$

```

    71
43 | 3067
    301
    ---
     57
     43
     --
    14 ← remainder

```

$$3067 \div 47 = 65 \text{ remainder } 12$$

```

    65
47 | 3067
    282
    ---
     247
     235
     ---
     12 ← remainder

```

$$3067 \div 53 = 57 \text{ remainder } 46$$

```

    57
53 | 3067
    265
    ---
     417
     371
     ---
     46 ← remainder

```

P₄₄₀ 3079

$$3079 \div 2 = 1539 \text{ remainder } 1$$

$$\begin{array}{r} 1539 \\ 2 \overline{) 3079} \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3079 \div 3 = 1026 \text{ remainder } 1$$

$$\begin{array}{r} 1026 \\ 3 \overline{) 3079} \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3079 \div 5 = 615 \text{ remainder } 4$$

$$\begin{array}{r} 615 \\ 5 \overline{) 3079} \\ \underline{30} \\ -- \end{array}$$

```

7
5
-
29
25
--
4 ← remainder

```

$$3079 \div 7 = 439 \text{ remainder } 6$$

```

439
7 | 3079
28
--
27
21
--
69
63
--
6 ← remainder

```

$$3079 \div 11 = 279 \text{ remainder } 10$$

```

279
11 | 3079
22
--
87
77
--
109
99
--
10 ← remainder

```

$$3079 \div 13 = 236 \text{ remainder } 11$$

```

236
13 | 3079
26
--
47
39

```

```

--
89
78
--
11 ← remainder

```

$$3079 \div 17 = 181 \text{ remainder } 2$$

```

181
17 | 3079
   17
   --
   137
   136
   ---
    19
    17
    --
    2 ← remainder

```

$$3079 \div 19 = 162 \text{ remainder } 1$$

```

162
19 | 3079
   19
   --
   117
   114
   ---
    39
    38
    --
    1 ← remainder

```

$$3079 \div 23 = 133 \text{ remainder } 20$$

```

133
23 | 3079
   23
   --
   77
   69
   --
   89

```

69

--

20 ← remainder

$$3079 \div 29 = 106 \text{ remainder } 5$$

106
29 | 3079
29

--

17

0

-

179

174

5 ← remainder

$$3079 \div 31 = 99 \text{ remainder } 10$$

99
31 | 3079
279

289

279

10 ← remainder

$$3079 \div 37 = 83 \text{ remainder } 8$$

83
37 | 3079
296

119

111

8 ← remainder

$$3079 \div 41 = 75 \text{ remainder } 4$$

75
41 | 3079


```

287
---
209
205
---
4 ← remainder

```

$$3079 \div 43 = 71 \text{ remainder } 26$$

```

    71
43 | 3079
    301
    ---
     69
     43
     --
    26 ← remainder

```

$$3079 \div 47 = 65 \text{ remainder } 24$$

```

    65
47 | 3079
    282
    ---
     259
     235
     ---
     24 ← remainder

```

$$3079 \div 53 = 58 \text{ remainder } 5$$

```

    58
53 | 3079
    265
    ---
     429
     424
     ---
     5 ← remainder

```

P₄₄₁ 3083

$$3083 \div 2 = 1541 \text{ remainder } 1$$

$$\begin{array}{r} 1541 \\ 2 \overline{) 3083} \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3083 \div 3 = 1027 \text{ remainder } 2$$

$$\begin{array}{r} 1027 \\ 3 \overline{) 3083} \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3083 \div 5 = 616 \text{ remainder } 3$$

$$\begin{array}{r} 616 \\ 5 \overline{) 3083} \\ \underline{30} \\ - - \end{array}$$

```

8
5
-
33
30
--
3 ← remainder

```

$$3083 \div 7 = 440 \text{ remainder } 3$$

```

440
7 | 3083
28
--
28
28
--
3
0
-
3 ← remainder

```

$$3083 \div 11 = 280 \text{ remainder } 3$$

```

280
11 | 3083
22
--
88
88
--
3
0
-
3 ← remainder

```

$$3083 \div 13 = 237 \text{ remainder } 2$$

```

237
13 | 3083
26
--
48
39

```

```

--
93
91
--
2 ← remainder

```

$$3083 \div 17 = 181 \text{ remainder } 6$$

```

181
17 | 3083
   17
   --
   138
   136
   ---
    23
    17
    --
    6 ← remainder

```

$$3083 \div 19 = 162 \text{ remainder } 5$$

```

162
19 | 3083
   19
   --
   118
   114
   ---
    43
    38
    --
    5 ← remainder

```

$$3083 \div 23 = 134 \text{ remainder } 1$$

```

134
23 | 3083
   23
   --
   78
   69
   --
   93

```

92

--

1 ← remainder

$$3083 \div 29 = 106 \text{ remainder } 9$$

106

29 | 3083

29

--

18

0

-

183

174

9 ← remainder

$$3083 \div 31 = 99 \text{ remainder } 14$$

99

31 | 3083

279

293

279

14 ← remainder

$$3083 \div 37 = 83 \text{ remainder } 12$$

83

37 | 3083

296

123

111

12 ← remainder

$$3083 \div 41 = 75 \text{ remainder } 8$$

75

41 | 3083

```

287
---
213
205
---
8 ← remainder

```

$$3083 \div 43 = 71 \text{ remainder } 30$$

```

    71
43 | 3083
    301
    ---
     73
     43
     --
    30 ← remainder

```

$$3083 \div 47 = 65 \text{ remainder } 28$$

```

    65
47 | 3083
    282
    ---
     263
     235
     ---
     28 ← remainder

```

$$3083 \div 53 = 58 \text{ remainder } 9$$

```

    58
53 | 3083
    265
    ---
     433
     424
     ---
     9 ← remainder

```

P₄₄₂ 3089

$$3089 \div 2 = 1544 \text{ remainder } 1$$

$$\begin{array}{r} 1544 \\ 2 \overline{) 3089} \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3089 \div 3 = 1029 \text{ remainder } 2$$

$$\begin{array}{r} 1029 \\ 3 \overline{) 3089} \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3089 \div 5 = 617 \text{ remainder } 4$$

$$\begin{array}{r} 617 \\ 5 \overline{) 3089} \\ \underline{30} \\ - - \end{array}$$

```

8
5
-
39
35
--
4 ← remainder

```

$$3089 \div 7 = 441 \text{ remainder } 2$$

```

441
7 | 3089
28
--
28
28
--
9
7
-
2 ← remainder

```

$$3089 \div 11 = 280 \text{ remainder } 9$$

```

280
11 | 3089
22
--
88
88
--
9
0
-
9 ← remainder

```

$$3089 \div 13 = 237 \text{ remainder } 8$$

```

237
13 | 3089
26
--
48
39

```



```

--
99
91
--
8 ← remainder

```

$$3089 \div 17 = 181 \text{ remainder } 12$$

```

      181
17 | 3089
    17
    --
    138
    136
    ---
     29
     17
     --
     12 ← remainder

```

$$3089 \div 19 = 162 \text{ remainder } 11$$

```

      162
19 | 3089
    19
    --
    118
    114
    ---
     49
     38
     --
     11 ← remainder

```

$$3089 \div 23 = 134 \text{ remainder } 7$$

```

      134
23 | 3089
    23
    --
     78
     69
     --
     99

```

92
 --
 7 ← remainder

$$3089 \div 29 = 106 \text{ remainder } 15$$

106
 29 | 3089
 29
 --
 18
 0
 -
 189
 174

 15 ← remainder

$$3089 \div 31 = 99 \text{ remainder } 20$$

99
 31 | 3089
 279

 299
 279

 20 ← remainder

$$3089 \div 37 = 83 \text{ remainder } 18$$

83
 37 | 3089
 296

 129
 111

 18 ← remainder

$$3089 \div 41 = 75 \text{ remainder } 14$$

75
 41 | 3089

```

287
---
219
205
---
14 ← remainder

```

$3089 \div 43 = 71 \text{ remainder } 36$

```

    71
43 | 3089
    301
    ---
     79
     43
     --
    36 ← remainder

```

$3089 \div 47 = 65 \text{ remainder } 34$

```

    65
47 | 3089
    282
    ---
     269
     235
     ---
     34 ← remainder

```

$3089 \div 53 = 58 \text{ remainder } 15$

```

    58
53 | 3089
    265
    ---
     439
     424
     ---
     15 ← remainder

```

P₄₄₃ 3109

$$3109 \div 2 = 1554 \text{ remainder } 1$$

$$\begin{array}{r} 1554 \\ 2 \mid 3109 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3109 \div 3 = 1036 \text{ remainder } 1$$

$$\begin{array}{r} 1036 \\ 3 \mid 3109 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 10 \\ \underline{9} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3109 \div 5 = 621 \text{ remainder } 4$$

$$\begin{array}{r} 621 \\ 5 \mid 3109 \\ \underline{30} \\ - - \end{array}$$

```

10
10
--
9
5
-
4 ← remainder

```

$$3109 \div 7 = 444 \text{ remainder } 1$$

```

    444
7 | 3109
   28
   --
   30
   28
   --
   29
   28
   --
   1 ← remainder

```

$$3109 \div 11 = 282 \text{ remainder } 7$$

```

    282
11 | 3109
   22
   --
   90
   88
   --
   29
   22
   --
   7 ← remainder

```

$$3109 \div 13 = 239 \text{ remainder } 2$$

```

    239
13 | 3109
   26
   --
   50
   39

```

```

--
119
117
---
2 ← remainder

```

$$3109 \div 17 = 182 \text{ remainder } 15$$

```

      182
17 | 3109
    17
    --
    140
    136
    ---
     49
     34
     --
     15 ← remainder

```

$$3109 \div 19 = 163 \text{ remainder } 12$$

```

      163
19 | 3109
    19
    --
    120
    114
    ---
     69
     57
     --
     12 ← remainder

```

$$3109 \div 23 = 135 \text{ remainder } 4$$

```

      135
23 | 3109
    23
    --
    80
    69
    --
    119

```

115

4 ← remainder

$$3109 \div 29 = 107 \text{ remainder } 6$$

107

29 | 3109

29

--

20

0

-

209

203

6 ← remainder

$$3109 \div 31 = 100 \text{ remainder } 9$$

100

31 | 3109

31

--

0

0

-

9

0

-

9 ← remainder

$$3109 \div 37 = 84 \text{ remainder } 1$$

84

37 | 3109

296

149

148

1 ← remainder

$$3109 \div 41 = 75 \text{ remainder } 34$$

$$\begin{array}{r}
 75 \\
 41 \mid 3109 \\
 \underline{287} \\
 --- \\
 239 \\
 \underline{205} \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$3109 \div 43 = 72 \text{ remainder } 13$$

$$\begin{array}{r}
 72 \\
 43 \mid 3109 \\
 \underline{301} \\
 --- \\
 99 \\
 \underline{86} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$3109 \div 47 = 66 \text{ remainder } 7$$

$$\begin{array}{r}
 66 \\
 47 \mid 3109 \\
 \underline{282} \\
 --- \\
 289 \\
 \underline{282} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$3109 \div 53 = 58 \text{ remainder } 35$$

$$\begin{array}{r}
 58 \\
 53 \mid 3109 \\
 \underline{265} \\
 --- \\
 459 \\
 \underline{424} \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

P₄₄₄ 3119

$$3119 \div 2 = 1559 \text{ remainder } 1$$

$$\begin{array}{r} 1559 \\ 2 \overline{) 3119} \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3119 \div 3 = 1039 \text{ remainder } 2$$

$$\begin{array}{r} 1039 \\ 3 \overline{) 3119} \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3119 \div 5 = 623 \text{ remainder } 4$$

$$\begin{array}{r} 623 \\ 5 \overline{) 3119} \\ \underline{30} \\ - - \end{array}$$

```

11
10
--
19
15
--
4 ← remainder

```

$$3119 \div 7 = 445 \text{ remainder } 4$$

```

  445
7 | 3119
  28
  --
  31
  28
  --
  39
  35
  --
  4 ← remainder

```

$$3119 \div 11 = 283 \text{ remainder } 6$$

```

  283
11 | 3119
   22
   --
   91
   88
   --
   39
   33
   --
   6 ← remainder

```

$$3119 \div 13 = 239 \text{ remainder } 12$$

```

  239
13 | 3119
   26
   --
   51
   39

```

```

--
129
117
---
12 ← remainder

```

$$3119 \div 17 = 183 \text{ remainder } 8$$

```

      183
17 | 3119
    17
    --
    141
    136
    ---
     59
     51
     --
     8 ← remainder

```

$$3119 \div 19 = 164 \text{ remainder } 3$$

```

      164
19 | 3119
    19
    --
    121
    114
    ---
     79
     76
     --
     3 ← remainder

```

$$3119 \div 23 = 135 \text{ remainder } 14$$

```

      135
23 | 3119
    23
    --
     81
     69
     --
    129

```

115

14 ← remainder

$$3119 \div 29 = 107 \text{ remainder } 16$$

107

29 | 3119

29

--

21

0

-

219

203

16 ← remainder

$$3119 \div 31 = 100 \text{ remainder } 19$$

100

31 | 3119

31

--

1

0

-

19

0

-

19 ← remainder

$$3119 \div 37 = 84 \text{ remainder } 11$$

84

37 | 3119

296

159

148

11 ← remainder

$$3119 \div 41 = 76 \text{ remainder } 3$$

$$\begin{array}{r}
 76 \\
 41 \mid 3119 \\
 \underline{287} \\
 --- \\
 249 \\
 \underline{246} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$3119 \div 43 = 72 \text{ remainder } 23$$

$$\begin{array}{r}
 72 \\
 43 \mid 3119 \\
 \underline{301} \\
 --- \\
 109 \\
 \underline{86} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$3119 \div 47 = 66 \text{ remainder } 17$$

$$\begin{array}{r}
 66 \\
 47 \mid 3119 \\
 \underline{282} \\
 --- \\
 299 \\
 \underline{282} \\
 --- \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$3119 \div 53 = 58 \text{ remainder } 45$$

$$\begin{array}{r}
 58 \\
 53 \mid 3119 \\
 \underline{265} \\
 --- \\
 469 \\
 \underline{424} \\
 --- \\
 45 \leftarrow \text{remainder}
 \end{array}$$

P₄₄₅ 3121

$$3121 \div 2 = 1560 \text{ remainder } 1$$

$$\begin{array}{r} 1560 \\ 2 \overline{) 3121} \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3121 \div 3 = 1040 \text{ remainder } 1$$

$$\begin{array}{r} 1040 \\ 3 \overline{) 3121} \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3121 \div 5 = 624 \text{ remainder } 1$$

$$\begin{array}{r} 624 \\ 5 \overline{) 3121} \\ \underline{30} \\ - - \end{array}$$

```

12
10
--
21
20
--
1 ← remainder

```

$$3121 \div 7 = 445 \text{ remainder } 6$$

```

    445
7 | 3121
   28
   --
    32
    28
    --
    41
    35
    --
    6 ← remainder

```

$$3121 \div 11 = 283 \text{ remainder } 8$$

```

    283
11 | 3121
    22
    --
    92
    88
    --
    41
    33
    --
    8 ← remainder

```

$$3121 \div 13 = 240 \text{ remainder } 1$$

```

    240
13 | 3121
    26
    --
    52
    52

```

```

--
1
0
-
1 ← remainder

```

$$3121 \div 17 = 183 \text{ remainder } 10$$

```

      183
17 | 3121
    17
    --
    142
    136
    ---
     61
     51
     --
    10 ← remainder

```

$$3121 \div 19 = 164 \text{ remainder } 5$$

```

      164
19 | 3121
    19
    --
    122
    114
    ---
     81
     76
     --
     5 ← remainder

```

$$3121 \div 23 = 135 \text{ remainder } 16$$

```

      135
23 | 3121
    23
    --
     82
     69
     --
    131

```


115

16 ← remainder

$$3121 \div 29 = 107 \text{ remainder } 18$$

107
29 | 3121
29

--

22

0

-

221

203

18 ← remainder

$$3121 \div 31 = 100 \text{ remainder } 21$$

100
31 | 3121
31

--

2

0

-

21

0

-

21 ← remainder

$$3121 \div 37 = 84 \text{ remainder } 13$$

84
37 | 3121
296

161

148

13 ← remainder

$$3121 \div 41 = 76 \text{ remainder } 5$$

$$\begin{array}{r}
 76 \\
 41 \overline{) 3121} \\
 \underline{287} \\
 --- \\
 251 \\
 \underline{246} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3121 \div 43 = 72 \text{ remainder } 25$$

$$\begin{array}{r}
 72 \\
 43 \overline{) 3121} \\
 \underline{301} \\
 --- \\
 111 \\
 \underline{86} \\
 --- \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$3121 \div 47 = 66 \text{ remainder } 19$$

$$\begin{array}{r}
 66 \\
 47 \overline{) 3121} \\
 \underline{282} \\
 --- \\
 301 \\
 \underline{282} \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$3121 \div 53 = 58 \text{ remainder } 47$$

$$\begin{array}{r}
 58 \\
 53 \overline{) 3121} \\
 \underline{265} \\
 --- \\
 471 \\
 \underline{424} \\
 --- \\
 47 \leftarrow \text{remainder}
 \end{array}$$

P₄₄₆ 3137

$$3137 \div 2 = 1568 \text{ remainder } 1$$

$$\begin{array}{r} 1568 \\ 2 \mid 3137 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3137 \div 3 = 1045 \text{ remainder } 2$$

$$\begin{array}{r} 1045 \\ 3 \mid 3137 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3137 \div 5 = 627 \text{ remainder } 2$$

$$\begin{array}{r} 627 \\ 5 \mid 3137 \\ \underline{30} \\ -- \end{array}$$

```

13
10
--
37
35
--
2 ← remainder

```

$$3137 \div 7 = 448 \text{ remainder } 1$$

```

    448
7 | 3137
   28
   --
   33
   28
   --
   57
   56
   --
   1 ← remainder

```

$$3137 \div 11 = 285 \text{ remainder } 2$$

```

    285
11 | 3137
   22
   --
   93
   88
   --
   57
   55
   --
   2 ← remainder

```

$$3137 \div 13 = 241 \text{ remainder } 4$$

```

    241
13 | 3137
   26
   --
   53
   52

```

```

--
17
13
--
4 ← remainder

```

$$3137 \div 17 = 184 \text{ remainder } 9$$

```

      184
17 | 3137
    17
    --
    143
    136
    ---
     77
     68
     --
     9 ← remainder

```

$$3137 \div 19 = 165 \text{ remainder } 2$$

```

      165
19 | 3137
    19
    --
    123
    114
    ---
     97
     95
     --
     2 ← remainder

```

$$3137 \div 23 = 136 \text{ remainder } 9$$

```

      136
23 | 3137
    23
    --
    83
    69
    --
    147

```

138

9 ← remainder

$$3137 \div 29 = 108 \text{ remainder } 5$$

108

29 | 3137

29

--

23

0

-

237

232

5 ← remainder

$$3137 \div 31 = 101 \text{ remainder } 6$$

101

31 | 3137

31

--

3

0

-

37

31

--

6 ← remainder

$$3137 \div 37 = 84 \text{ remainder } 29$$

84

37 | 3137

296

177

148

29 ← remainder

$$3137 \div 41 = 76 \text{ remainder } 21$$

$$\begin{array}{r}
 76 \\
 41 \mid 3137 \\
 287 \\
 --- \\
 267 \\
 246 \\
 --- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$3137 \div 43 = 72 \text{ remainder } 41$$

$$\begin{array}{r}
 72 \\
 43 \mid 3137 \\
 301 \\
 --- \\
 127 \\
 86 \\
 --- \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$3137 \div 47 = 66 \text{ remainder } 35$$

$$\begin{array}{r}
 66 \\
 47 \mid 3137 \\
 282 \\
 --- \\
 317 \\
 282 \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$3137 \div 53 = 59 \text{ remainder } 10$$

$$\begin{array}{r}
 59 \\
 53 \mid 3137 \\
 265 \\
 --- \\
 487 \\
 477 \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

P₄₄₇ 3163

$$3163 \div 2 = 1581 \text{ remainder } 1$$

$$\begin{array}{r} 1581 \\ 2 \mid 3163 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3163 \div 3 = 1054 \text{ remainder } 1$$

$$\begin{array}{r} 1054 \\ 3 \mid 3163 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3163 \div 5 = 632 \text{ remainder } 3$$

$$\begin{array}{r} 632 \\ 5 \mid 3163 \\ \underline{30} \\ -- \end{array}$$


```

16
15
--
13
10
--
3 ← remainder

```

$$3163 \div 7 = 451 \text{ remainder } 6$$

```

  451
7 | 3163
  28
  --
   36
   35
   --
   13
   7
   -
   6 ← remainder

```

$$3163 \div 11 = 287 \text{ remainder } 6$$

```

  287
11 | 3163
   22
   --
   96
   88
   --
   83
   77
   --
   6 ← remainder

```

$$3163 \div 13 = 243 \text{ remainder } 4$$

```

  243
13 | 3163
   26
   --
   56
   52

```

```

--
43
39
--
4 ← remainder

```

$$3163 \div 17 = 186 \text{ remainder } 1$$

```

      186
17 | 3163
    17
    --
    146
    136
    ---
    103
    102
    ---
    1 ← remainder

```

$$3163 \div 19 = 166 \text{ remainder } 9$$

```

      166
19 | 3163
    19
    --
    126
    114
    ---
    123
    114
    ---
    9 ← remainder

```

$$3163 \div 23 = 137 \text{ remainder } 12$$

```

      137
23 | 3163
    23
    --
    86
    69
    --
    173

```

161

12 \leftarrow remainder

$$3163 \div 29 = 109 \text{ remainder } 2$$

109

29 | 3163

29

--

26

0

-

263

261

2 \leftarrow remainder

$$3163 \div 31 = 102 \text{ remainder } 1$$

102

31 | 3163

31

--

6

0

-

63

62

--

1 \leftarrow remainder

$$3163 \div 37 = 85 \text{ remainder } 18$$

85

37 | 3163

296

203

185

18 \leftarrow remainder

$$3163 \div 41 = 77 \text{ remainder } 6$$

$$\begin{array}{r}
 77 \\
 41 \mid 3163 \\
 \underline{287} \\
 --- \\
 293 \\
 \underline{287} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$3163 \div 43 = 73 \text{ remainder } 24$$

$$\begin{array}{r}
 73 \\
 43 \mid 3163 \\
 \underline{301} \\
 --- \\
 153 \\
 \underline{129} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$3163 \div 47 = 67 \text{ remainder } 14$$

$$\begin{array}{r}
 67 \\
 47 \mid 3163 \\
 \underline{282} \\
 --- \\
 343 \\
 \underline{329} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$3163 \div 53 = 59 \text{ remainder } 36$$

$$\begin{array}{r}
 59 \\
 53 \mid 3163 \\
 \underline{265} \\
 --- \\
 513 \\
 \underline{477} \\
 --- \\
 36 \leftarrow \text{remainder}
 \end{array}$$

P₄₄₈ 3167

$$3167 \div 2 = 1583 \text{ remainder } 1$$

$$\begin{array}{r} 1583 \\ 2 \mid 3167 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3167 \div 3 = 1055 \text{ remainder } 2$$

$$\begin{array}{r} 1055 \\ 3 \mid 3167 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 16 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3167 \div 5 = 633 \text{ remainder } 2$$

$$\begin{array}{r} 633 \\ 5 \mid 3167 \\ \underline{30} \\ -- \end{array}$$

```

16
15
--
17
15
--
2 ← remainder

```

$$3167 \div 7 = 452 \text{ remainder } 3$$

```

    452
7 | 3167
   28
   --
   36
   35
   --
   17
   14
   --
   3 ← remainder

```

$$3167 \div 11 = 287 \text{ remainder } 10$$

```

    287
11 | 3167
   22
   --
   96
   88
   --
   87
   77
   --
  10 ← remainder

```

$$3167 \div 13 = 243 \text{ remainder } 8$$

```

    243
13 | 3167
   26
   --
   56
   52

```

```

--
47
39
--
8 ← remainder

```

$$3167 \div 17 = 186 \text{ remainder } 5$$

```

      186
17 | 3167
    17
    --
    146
    136
    ---
    107
    102
    ---
    5 ← remainder

```

$$3167 \div 19 = 166 \text{ remainder } 13$$

```

      166
19 | 3167
    19
    --
    126
    114
    ---
    127
    114
    ---
    13 ← remainder

```

$$3167 \div 23 = 137 \text{ remainder } 16$$

```

      137
23 | 3167
    23
    --
    86
    69
    --
    177

```

161

16 ← remainder

$$3167 \div 29 = 109 \text{ remainder } 6$$

109

29 | 3167

29

--

26

0

-

267

261

6 ← remainder

$$3167 \div 31 = 102 \text{ remainder } 5$$

102

31 | 3167

31

--

6

0

-

67

62

--

5 ← remainder

$$3167 \div 37 = 85 \text{ remainder } 22$$

85

37 | 3167

296

207

185

22 ← remainder

$$3167 \div 41 = 77 \text{ remainder } 10$$

$$\begin{array}{r}
 77 \\
 41 \overline{) 3167} \\
 \underline{287} \\
 297 \\
 \underline{287} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$3167 \div 43 = 73 \text{ remainder } 28$$

$$\begin{array}{r}
 73 \\
 43 \overline{) 3167} \\
 \underline{301} \\
 157 \\
 \underline{129} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$3167 \div 47 = 67 \text{ remainder } 18$$

$$\begin{array}{r}
 67 \\
 47 \overline{) 3167} \\
 \underline{282} \\
 347 \\
 \underline{329} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$3167 \div 53 = 59 \text{ remainder } 40$$

$$\begin{array}{r}
 59 \\
 53 \overline{) 3167} \\
 \underline{265} \\
 517 \\
 \underline{477} \\
 40 \leftarrow \text{remainder}
 \end{array}$$

P₄₄₉ 3169

$$3169 \div 2 = 1584 \text{ remainder } 1$$

$$\begin{array}{r} 1584 \\ 2 \mid 3169 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3169 \div 3 = 1056 \text{ remainder } 1$$

$$\begin{array}{r} 1056 \\ 3 \mid 3169 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 16 \\ \underline{15} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3169 \div 5 = 633 \text{ remainder } 4$$

$$\begin{array}{r} 633 \\ 5 \mid 3169 \\ \underline{30} \\ - - \end{array}$$

```

16
15
--
19
15
--
4 ← remainder

```

$$3169 \div 7 = 452 \text{ remainder } 5$$

```

    452
7 | 3169
   28
   --
   36
   35
   --
   19
   14
   --
   5 ← remainder

```

$$3169 \div 11 = 288 \text{ remainder } 1$$

```

    288
11 | 3169
   22
   --
   96
   88
   --
   89
   88
   --
   1 ← remainder

```

$$3169 \div 13 = 243 \text{ remainder } 10$$

```

    243
13 | 3169
   26
   --
   56
   52

```

```

--
49
39
--
10 ← remainder

```

$$3169 \div 17 = 186 \text{ remainder } 7$$

```

      186
17 | 3169
    17
    --
    146
    136
    ---
    109
    102
    ---
    7 ← remainder

```

$$3169 \div 19 = 166 \text{ remainder } 15$$

```

      166
19 | 3169
    19
    --
    126
    114
    ---
    129
    114
    ---
    15 ← remainder

```

$$3169 \div 23 = 137 \text{ remainder } 18$$

```

      137
23 | 3169
    23
    --
    86
    69
    --
    179

```

161

18 ← remainder

$$3169 \div 29 = 109 \text{ remainder } 8$$

109

29 | 3169

29

--

26

0

-

269

261

8 ← remainder

$$3169 \div 31 = 102 \text{ remainder } 7$$

102

31 | 3169

31

--

6

0

-

69

62

--

7 ← remainder

$$3169 \div 37 = 85 \text{ remainder } 24$$

85

37 | 3169

296

209

185

24 ← remainder

$$3169 \div 41 = 77 \text{ remainder } 12$$

$$\begin{array}{r}
 77 \\
 41 \mid 3169 \\
 \underline{287} \\
 --- \\
 299 \\
 \underline{287} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$3169 \div 43 = 73 \text{ remainder } 30$$

$$\begin{array}{r}
 73 \\
 43 \mid 3169 \\
 \underline{301} \\
 --- \\
 159 \\
 \underline{129} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$3169 \div 47 = 67 \text{ remainder } 20$$

$$\begin{array}{r}
 67 \\
 47 \mid 3169 \\
 \underline{282} \\
 --- \\
 349 \\
 \underline{329} \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$3169 \div 53 = 59 \text{ remainder } 42$$

$$\begin{array}{r}
 59 \\
 53 \mid 3169 \\
 \underline{265} \\
 --- \\
 519 \\
 \underline{477} \\
 --- \\
 42 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₀ 3181

$$3181 \div 2 = 1590 \text{ remainder } 1$$

$$\begin{array}{r} 1590 \\ 2 \mid 3181 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3181 \div 3 = 1060 \text{ remainder } 1$$

$$\begin{array}{r} 1060 \\ 3 \mid 3181 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3181 \div 5 = 636 \text{ remainder } 1$$

$$\begin{array}{r} 636 \\ 5 \mid 3181 \\ \underline{30} \\ - - \end{array}$$

```

18
15
--
31
30
--
1 ← remainder

```

$$3181 \div 7 = 454 \text{ remainder } 3$$

```

    454
7 | 3181
   28
   --
   38
   35
   --
   31
   28
   --
   3 ← remainder

```

$$3181 \div 11 = 289 \text{ remainder } 2$$

```

    289
11 | 3181
   22
   --
   98
   88
   --
  101
   99
   --
   2 ← remainder

```

$$3181 \div 13 = 244 \text{ remainder } 9$$

```

    244
13 | 3181
   26
   --
   58
   52

```



```

--
61
52
--
9 ← remainder

```

$$3181 \div 17 = 187 \text{ remainder } 2$$

```

      187
17 | 3181
    17
    --
    148
    136
    ---
    121
    119
    ---
    2 ← remainder

```

$$3181 \div 19 = 167 \text{ remainder } 8$$

```

      167
19 | 3181
    19
    --
    128
    114
    ---
    141
    133
    ---
    8 ← remainder

```

$$3181 \div 23 = 138 \text{ remainder } 7$$

```

      138
23 | 3181
    23
    --
    88
    69
    --
    191

```

184

 7 ← remainder

$$3181 \div 29 = 109 \text{ remainder } 20$$

109
 29 | 3181
 29
 --
 28
 0
 -
 281
 261

 20 ← remainder

$$3181 \div 31 = 102 \text{ remainder } 19$$

102
 31 | 3181
 31
 --
 8
 0
 -
 81
 62
 --
 19 ← remainder

$$3181 \div 37 = 85 \text{ remainder } 36$$

85
 37 | 3181
 296

 221
 185

 36 ← remainder

$$3181 \div 41 = 77 \text{ remainder } 24$$

$$\begin{array}{r}
 77 \\
 41 \overline{) 3181} \\
 \underline{287} \\
 311 \\
 \underline{287} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$3181 \div 43 = 73 \text{ remainder } 42$$

$$\begin{array}{r}
 73 \\
 43 \overline{) 3181} \\
 \underline{301} \\
 171 \\
 \underline{129} \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$3181 \div 47 = 67 \text{ remainder } 32$$

$$\begin{array}{r}
 67 \\
 47 \overline{) 3181} \\
 \underline{282} \\
 361 \\
 \underline{329} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$3181 \div 53 = 60 \text{ remainder } 1$$

$$\begin{array}{r}
 60 \\
 53 \overline{) 3181} \\
 \underline{318} \\
 1 \\
 \underline{0} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₁ 3187

$$3187 \div 2 = 1593 \text{ remainder } 1$$

$$\begin{array}{r} 1593 \\ 2 \mid 3187 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3187 \div 3 = 1062 \text{ remainder } 1$$

$$\begin{array}{r} 1062 \\ 3 \mid 3187 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 18 \\ \underline{18} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3187 \div 5 = 637 \text{ remainder } 2$$

$$\begin{array}{r} 637 \\ 5 \mid 3187 \\ \underline{30} \\ - - \end{array}$$

```

18
15
--
37
35
--
2 ← remainder

```

$$3187 \div 7 = 455 \text{ remainder } 2$$

```

      455
7 | 3187
  28
  --
   38
   35
   --
   37
   35
   --
   2 ← remainder

```

$$3187 \div 11 = 289 \text{ remainder } 8$$

```

      289
11 | 3187
   22
   --
   98
   88
   --
  107
   99
   --
   8 ← remainder

```

$$3187 \div 13 = 245 \text{ remainder } 2$$

```

      245
13 | 3187
   26
   --
   58
   52

```

```

--
67
65
--
2 ← remainder

```

$$3187 \div 17 = 187 \text{ remainder } 8$$

```

      187
17 | 3187
    17
    --
    148
    136
    ---
    127
    119
    ---
    8 ← remainder

```

$$3187 \div 19 = 167 \text{ remainder } 14$$

```

      167
19 | 3187
    19
    --
    128
    114
    ---
    147
    133
    ---
    14 ← remainder

```

$$3187 \div 23 = 138 \text{ remainder } 13$$

```

      138
23 | 3187
    23
    --
    88
    69
    --
    197

```

184

13 ← remainder

$$3187 \div 29 = 109 \text{ remainder } 26$$

109

29 | 3187

29

--

28

0

-

287

261

26 ← remainder

$$3187 \div 31 = 102 \text{ remainder } 25$$

102

31 | 3187

31

--

8

0

-

87

62

--

25 ← remainder

$$3187 \div 37 = 86 \text{ remainder } 5$$

86

37 | 3187

296

227

222

5 ← remainder

$$3187 \div 41 = 77 \text{ remainder } 30$$

$$\begin{array}{r}
 77 \\
 41 \mid 3187 \\
 \underline{287} \\
 --- \\
 317 \\
 \underline{287} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$3187 \div 43 = 74 \text{ remainder } 5$$

$$\begin{array}{r}
 74 \\
 43 \mid 3187 \\
 \underline{301} \\
 --- \\
 177 \\
 \underline{172} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3187 \div 47 = 67 \text{ remainder } 38$$

$$\begin{array}{r}
 67 \\
 47 \mid 3187 \\
 \underline{282} \\
 --- \\
 367 \\
 \underline{329} \\
 --- \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$3187 \div 53 = 60 \text{ remainder } 7$$

$$\begin{array}{r}
 60 \\
 53 \mid 3187 \\
 \underline{318} \\
 --- \\
 7 \\
 0 \\
 - \\
 7 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₂ 3191

$$3191 \div 2 = 1595 \text{ remainder } 1$$

$$\begin{array}{r} 1595 \\ 2 \mid 3191 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3191 \div 3 = 1063 \text{ remainder } 2$$

$$\begin{array}{r} 1063 \\ 3 \mid 3191 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3191 \div 5 = 638 \text{ remainder } 1$$

$$\begin{array}{r} 638 \\ 5 \mid 3191 \\ \underline{30} \\ - - \end{array}$$

```

19
15
--
41
40
--
1 ← remainder

```

$$3191 \div 7 = 455 \text{ remainder } 6$$

```

    455
7 | 3191
   28
   --
   39
   35
   --
   41
   35
   --
   6 ← remainder

```

$$3191 \div 11 = 290 \text{ remainder } 1$$

```

    290
11 | 3191
   22
   --
   99
   99
   --
    1
    0
    -
    1 ← remainder

```

$$3191 \div 13 = 245 \text{ remainder } 6$$

```

    245
13 | 3191
   26
   --
   59
   52

```

```

--
71
65
--
6 ← remainder

```

$$3191 \div 17 = 187 \text{ remainder } 12$$

```

      187
17 | 3191
    17
    --
    149
    136
    ---
    131
    119
    ---
    12 ← remainder

```

$$3191 \div 19 = 167 \text{ remainder } 18$$

```

      167
19 | 3191
    19
    --
    129
    114
    ---
    151
    133
    ---
    18 ← remainder

```

$$3191 \div 23 = 138 \text{ remainder } 17$$

```

      138
23 | 3191
    23
    --
    89
    69
    --
    201

```

184

17 ← remainder

$$3191 \div 29 = 110 \text{ remainder } 1$$

110

29 | 3191

29

--

29

29

--

1

0

-

1 ← remainder

$$3191 \div 31 = 102 \text{ remainder } 29$$

102

31 | 3191

31

--

9

0

-

91

62

--

29 ← remainder

$$3191 \div 37 = 86 \text{ remainder } 9$$

86

37 | 3191

296

231

222

9 ← remainder

$$3191 \div 41 = 77 \text{ remainder } 34$$

$$\begin{array}{r}
 77 \\
 41 \overline{) 3191} \\
 \underline{287} \\
 321 \\
 \underline{287} \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$3191 \div 43 = 74 \text{ remainder } 9$$

$$\begin{array}{r}
 74 \\
 43 \overline{) 3191} \\
 \underline{301} \\
 181 \\
 \underline{172} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$3191 \div 47 = 67 \text{ remainder } 42$$

$$\begin{array}{r}
 67 \\
 47 \overline{) 3191} \\
 \underline{282} \\
 371 \\
 \underline{329} \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$3191 \div 53 = 60 \text{ remainder } 11$$

$$\begin{array}{r}
 60 \\
 53 \overline{) 3191} \\
 \underline{318} \\
 11 \\
 0 \\
 - \\
 11 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₃ 3203

$$3203 \div 2 = 1601 \text{ remainder } 1$$

$$\begin{array}{r} 1601 \\ 2 \mid 3203 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ - - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3203 \div 3 = 1067 \text{ remainder } 2$$

$$\begin{array}{r} 1067 \\ 3 \mid 3203 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 20 \\ \underline{18} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3203 \div 5 = 640 \text{ remainder } 3$$

$$\begin{array}{r} 640 \\ 5 \mid 3203 \\ \underline{30} \\ - - \end{array}$$

```

20
20
--
3
0
-
3 ← remainder

```

$$3203 \div 7 = 457 \text{ remainder } 4$$

```

    457
7 | 3203
   28
   --
   40
   35
   --
   53
   49
   --
   4 ← remainder

```

$$3203 \div 11 = 291 \text{ remainder } 2$$

```

    291
11 | 3203
   22
   --
  100
   99
   --
   13
   11
   --
   2 ← remainder

```

$$3203 \div 13 = 246 \text{ remainder } 5$$

```

    246
13 | 3203
   26
   --
   60
   52

```

```

--
83
78
--
5 ← remainder

```

$$3203 \div 17 = 188 \text{ remainder } 7$$

```

      188
17 | 3203
    17
    --
    150
    136
    ---
    143
    136
    ---
    7 ← remainder

```

$$3203 \div 19 = 168 \text{ remainder } 11$$

```

      168
19 | 3203
    19
    --
    130
    114
    ---
    163
    152
    ---
    11 ← remainder

```

$$3203 \div 23 = 139 \text{ remainder } 6$$

```

      139
23 | 3203
    23
    --
    90
    69
    --
    213

```


207

6 ← remainder

$$3203 \div 29 = 110 \text{ remainder } 13$$

110

29 | 3203

29

--

30

29

--

13

0

-

13 ← remainder

$$3203 \div 31 = 103 \text{ remainder } 10$$

103

31 | 3203

31

--

10

0

-

103

93

--

10 ← remainder

$$3203 \div 37 = 86 \text{ remainder } 21$$

86

37 | 3203

296

243

222

21 ← remainder

$$3203 \div 41 = 78 \text{ remainder } 5$$

$$\begin{array}{r}
 78 \\
 41 \overline{) 3203} \\
 \underline{287} \\
 333 \\
 \underline{328} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3203 \div 43 = 74 \text{ remainder } 21$$

$$\begin{array}{r}
 74 \\
 43 \overline{) 3203} \\
 \underline{301} \\
 193 \\
 \underline{172} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$3203 \div 47 = 68 \text{ remainder } 7$$

$$\begin{array}{r}
 68 \\
 47 \overline{) 3203} \\
 \underline{282} \\
 383 \\
 \underline{376} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$3203 \div 53 = 60 \text{ remainder } 23$$

$$\begin{array}{r}
 60 \\
 53 \overline{) 3203} \\
 \underline{318} \\
 23 \\
 0 \\
 - \\
 23 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₄ 3209

$$3209 \div 2 = 1604 \text{ remainder } 1$$

$$\begin{array}{r} 1604 \\ 2 \mid 3209 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ - - \\ 0 \\ 0 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3209 \div 3 = 1069 \text{ remainder } 2$$

$$\begin{array}{r} 1069 \\ 3 \mid 3209 \\ \underline{3} \\ - \\ 2 \\ 0 \\ - \\ 20 \\ \underline{18} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3209 \div 5 = 641 \text{ remainder } 4$$

$$\begin{array}{r} 641 \\ 5 \mid 3209 \\ \underline{30} \\ - - \end{array}$$

```

20
20
--
9
5
-
4 ← remainder

```

$$3209 \div 7 = 458 \text{ remainder } 3$$

```

    458
7 | 3209
   28
   --
   40
   35
   --
   59
   56
   --
   3 ← remainder

```

$$3209 \div 11 = 291 \text{ remainder } 8$$

```

    291
11 | 3209
   22
   --
  100
   99
   --
   19
   11
   --
   8 ← remainder

```

$$3209 \div 13 = 246 \text{ remainder } 11$$

```

    246
13 | 3209
   26
   --
   60
   52

```

```

--
89
78
--
11 ← remainder

```

$$3209 \div 17 = 188 \text{ remainder } 13$$

```

188
17 | 3209
   17
   --
   150
   136
   ---
   149
   136
   ---
   13 ← remainder

```

$$3209 \div 19 = 168 \text{ remainder } 17$$

```

168
19 | 3209
   19
   --
   130
   114
   ---
   169
   152
   ---
   17 ← remainder

```

$$3209 \div 23 = 139 \text{ remainder } 12$$

```

139
23 | 3209
   23
   --
   90
   69
   --
   219

```

207

12 ← remainder

$$3209 \div 29 = 110 \text{ remainder } 19$$

```
      110
29 | 3209
    29
    --
    30
    29
    --
    19
    0
    -
    19 ← remainder
```

$$3209 \div 31 = 103 \text{ remainder } 16$$

```
      103
31 | 3209
    31
    --
    10
    0
    -
    109
    93
    --
    16 ← remainder
```

$$3209 \div 37 = 86 \text{ remainder } 27$$

```
      86
37 | 3209
    296
    ---
    249
    222
    ---
    27 ← remainder
```

$$3209 \div 41 = 78 \text{ remainder } 11$$

$$\begin{array}{r}
 78 \\
 41 \overline{) 3209} \\
 \underline{287} \\
 339 \\
 \underline{328} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$3209 \div 43 = 74 \text{ remainder } 27$$

$$\begin{array}{r}
 74 \\
 43 \overline{) 3209} \\
 \underline{301} \\
 199 \\
 \underline{172} \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$3209 \div 47 = 68 \text{ remainder } 13$$

$$\begin{array}{r}
 68 \\
 47 \overline{) 3209} \\
 \underline{282} \\
 389 \\
 \underline{376} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$3209 \div 53 = 60 \text{ remainder } 29$$

$$\begin{array}{r}
 60 \\
 53 \overline{) 3209} \\
 \underline{318} \\
 29 \\
 \underline{0} \\
 29 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₅ 3217

$$3217 \div 2 = 1608 \text{ remainder } 1$$

$$\begin{array}{r} 1608 \\ 2 \overline{) 3217} \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3217 \div 3 = 1072 \text{ remainder } 1$$

$$\begin{array}{r} 1072 \\ 3 \overline{) 3217} \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 21 \\ \underline{21} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3217 \div 5 = 643 \text{ remainder } 2$$

$$\begin{array}{r} 643 \\ 5 \overline{) 3217} \\ \underline{30} \\ - - \end{array}$$


```

21
20
--
17
15
--
2 ← remainder

```

$$3217 \div 7 = 459 \text{ remainder } 4$$

```

    459
7 | 3217
  28
  --
   41
   35
   --
   67
   63
   --
   4 ← remainder

```

$$3217 \div 11 = 292 \text{ remainder } 5$$

```

    292
11 | 3217
   22
   --
  101
   99
   --
   27
   22
   --
   5 ← remainder

```

$$3217 \div 13 = 247 \text{ remainder } 6$$

```

    247
13 | 3217
   26
   --
   61
   52

```

```

--
97
91
--
6 ← remainder

```

$$3217 \div 17 = 189 \text{ remainder } 4$$

```

      189
17 | 3217
    17
    --
    151
    136
    ---
    157
    153
    ---
    4 ← remainder

```

$$3217 \div 19 = 169 \text{ remainder } 6$$

```

      169
19 | 3217
    19
    --
    131
    114
    ---
    177
    171
    ---
    6 ← remainder

```

$$3217 \div 23 = 139 \text{ remainder } 20$$

```

      139
23 | 3217
    23
    --
    91
    69
    --
    227

```

207

20 ← remainder

$$3217 \div 29 = 110 \text{ remainder } 27$$

110

29 | 3217

29

--

31

29

--

27

0

-

27 ← remainder

$$3217 \div 31 = 103 \text{ remainder } 24$$

103

31 | 3217

31

--

11

0

-

117

93

--

24 ← remainder

$$3217 \div 37 = 86 \text{ remainder } 35$$

86

37 | 3217

296

257

222

35 ← remainder

$$3217 \div 41 = 78 \text{ remainder } 19$$

$$\begin{array}{r}
 78 \\
 41 \overline{) 3217} \\
 \underline{287} \\
 347 \\
 \underline{328} \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$3217 \div 43 = 74 \text{ remainder } 35$$

$$\begin{array}{r}
 74 \\
 43 \overline{) 3217} \\
 \underline{301} \\
 207 \\
 \underline{172} \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$3217 \div 47 = 68 \text{ remainder } 21$$

$$\begin{array}{r}
 68 \\
 47 \overline{) 3217} \\
 \underline{282} \\
 397 \\
 \underline{376} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$3217 \div 53 = 60 \text{ remainder } 37$$

$$\begin{array}{r}
 60 \\
 53 \overline{) 3217} \\
 \underline{318} \\
 37 \\
 \underline{0} \\
 37 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₆ 3221

$$3221 \div 2 = 1610 \text{ remainder } 1$$

$$\begin{array}{r} 1610 \\ 2 \mid 3221 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ -- \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 3 = 1073 \text{ remainder } 2$$

$$\begin{array}{r} 1073 \\ 3 \mid 3221 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 22 \\ \underline{21} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3221 \div 5 = 644 \text{ remainder } 1$$

$$\begin{array}{r} 644 \\ 5 \mid 3221 \\ \underline{30} \\ -- \end{array}$$

```

22
20
--
21
20
--
1 ← remainder

```

$$3221 \div 7 = 460 \text{ remainder } 1$$

```

    460
7 | 3221
   28
   --
   42
   42
   --
    1
    0
    -
    1 ← remainder

```

$$3221 \div 11 = 292 \text{ remainder } 9$$

```

    292
11 | 3221
    22
    --
    102
    99
    --
    31
    22
    --
    9 ← remainder

```

$$3221 \div 13 = 247 \text{ remainder } 10$$

```

    247
13 | 3221
    26
    --
    62
    52

```

```

--
101
91
--
10 ← remainder

```

$$3221 \div 17 = 189 \text{ remainder } 8$$

```

      189
17 | 3221
    17
    --
    152
    136
    ---
    161
    153
    ---
    8 ← remainder

```

$$3221 \div 19 = 169 \text{ remainder } 10$$

```

      169
19 | 3221
    19
    --
    132
    114
    ---
    181
    171
    ---
    10 ← remainder

```

$$3221 \div 23 = 140 \text{ remainder } 1$$

```

      140
23 | 3221
    23
    --
    92
    92
    --
    1

```

0
-
1 ← remainder

$$3221 \div 29 = 111 \text{ remainder } 2$$

```

      111
29 | 3221
    29
    --
    32
    29
    --
    31
    29
    --
    2 ← remainder

```

$$3221 \div 31 = 103 \text{ remainder } 28$$

```

      103
31 | 3221
    31
    --
    12
    0
    -
    121
    93
    --
    28 ← remainder

```

$$3221 \div 37 = 87 \text{ remainder } 2$$

```

      87
37 | 3221
    296
    ---
    261
    259
    ---
    2 ← remainder

```

$$3221 \div 41 = 78 \text{ remainder } 23$$

$$\begin{array}{r}
 78 \\
 41 \overline{) 3221} \\
 \underline{287} \\
 351 \\
 \underline{328} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$3221 \div 43 = 74 \text{ remainder } 39$$

$$\begin{array}{r}
 74 \\
 43 \overline{) 3221} \\
 \underline{301} \\
 211 \\
 \underline{172} \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$3221 \div 47 = 68 \text{ remainder } 25$$

$$\begin{array}{r}
 68 \\
 47 \overline{) 3221} \\
 \underline{282} \\
 401 \\
 \underline{376} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$3221 \div 53 = 60 \text{ remainder } 41$$

$$\begin{array}{r}
 60 \\
 53 \overline{) 3221} \\
 \underline{318} \\
 41 \\
 \underline{0} \\
 41 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₇ 3229

$$3229 \div 2 = 1614 \text{ remainder } 1$$

$$\begin{array}{r} 1614 \\ 2 \mid 3229 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ -- \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3229 \div 3 = 1076 \text{ remainder } 1$$

$$\begin{array}{r} 1076 \\ 3 \mid 3229 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 22 \\ \underline{21} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3229 \div 5 = 645 \text{ remainder } 4$$

$$\begin{array}{r} 645 \\ 5 \mid 3229 \\ \underline{30} \\ -- \end{array}$$

```

22
20
--
29
25
--
4 ← remainder

```

$$3229 \div 7 = 461 \text{ remainder } 2$$

```

  461
7 | 3229
  28
  --
  42
  42
  --
   9
   7
   -
   2 ← remainder

```

$$3229 \div 11 = 293 \text{ remainder } 6$$

```

  293
11 | 3229
   22
   --
  102
   99
   --
   39
   33
   --
    6 ← remainder

```

$$3229 \div 13 = 248 \text{ remainder } 5$$

```

  248
13 | 3229
   26
   --
   62
   52

```

```

--
109
104
---
5 ← remainder

```

$$3229 \div 17 = 189 \text{ remainder } 16$$

```

      189
17 | 3229
    17
    --
    152
    136
    ---
    169
    153
    ---
    16 ← remainder

```

$$3229 \div 19 = 169 \text{ remainder } 18$$

```

      169
19 | 3229
    19
    --
    132
    114
    ---
    189
    171
    ---
    18 ← remainder

```

$$3229 \div 23 = 140 \text{ remainder } 9$$

```

      140
23 | 3229
    23
    --
    92
    92
    --
    9

```

0
-
9 ← remainder

$$3229 \div 29 = 111 \text{ remainder } 10$$

```

      111
29 | 3229
    29
    --
    32
    29
    --
    39
    29
    --
    10 ← remainder

```

$$3229 \div 31 = 104 \text{ remainder } 5$$

```

      104
31 | 3229
    31
    --
    12
    0
    -
    129
    124
    ---
    5 ← remainder

```

$$3229 \div 37 = 87 \text{ remainder } 10$$

```

      87
37 | 3229
    296
    ---
    269
    259
    ---
    10 ← remainder

```

$$3229 \div 41 = 78 \text{ remainder } 31$$

$$\begin{array}{r}
 78 \\
 41 \overline{) 3229} \\
 \underline{287} \\
 359 \\
 \underline{328} \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$3229 \div 43 = 75 \text{ remainder } 4$$

$$\begin{array}{r}
 75 \\
 43 \overline{) 3229} \\
 \underline{301} \\
 219 \\
 \underline{215} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$3229 \div 47 = 68 \text{ remainder } 33$$

$$\begin{array}{r}
 68 \\
 47 \overline{) 3229} \\
 \underline{282} \\
 409 \\
 \underline{376} \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$3229 \div 53 = 60 \text{ remainder } 49$$

$$\begin{array}{r}
 60 \\
 53 \overline{) 3229} \\
 \underline{318} \\
 49 \\
 0 \\
 - \\
 49 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₈ 3251

$$3251 \div 2 = 1625 \text{ remainder } 1$$

$$\begin{array}{r} 1625 \\ 2 \mid 3251 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ -- \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3251 \div 3 = 1083 \text{ remainder } 2$$

$$\begin{array}{r} 1083 \\ 3 \mid 3251 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 25 \\ \underline{24} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3251 \div 5 = 650 \text{ remainder } 1$$

$$\begin{array}{r} 650 \\ 5 \mid 3251 \\ \underline{30} \\ -- \end{array}$$

```

25
25
--
1
0
-
1 ← remainder

```

$$3251 \div 7 = 464 \text{ remainder } 3$$

```

    464
7 | 3251
   28
   --
   45
   42
   --
   31
   28
   --
   3 ← remainder

```

$$3251 \div 11 = 295 \text{ remainder } 6$$

```

    295
11 | 3251
   22
   --
  105
   99
   --
   61
   55
   --
   6 ← remainder

```

$$3251 \div 13 = 250 \text{ remainder } 1$$

```

    250
13 | 3251
   26
   --
   65
   65

```



```

--
1
0
-
1 ← remainder

```

$$3251 \div 17 = 191 \text{ remainder } 4$$

```

      191
17 | 3251
    17
    --
    155
    153
    ---
     21
     17
     --
     4 ← remainder

```

$$3251 \div 19 = 171 \text{ remainder } 2$$

```

      171
19 | 3251
    19
    --
    135
    133
    ---
     21
     19
     --
     2 ← remainder

```

$$3251 \div 23 = 141 \text{ remainder } 8$$

```

      141
23 | 3251
    23
    --
    95
    92
    --
    31

```

23
 --
 8 ← remainder

$$3251 \div 29 = 112 \text{ remainder } 3$$

112
 29 | 3251
 29
 --
 35
 29
 --
 61
 58
 --
 3 ← remainder

$$3251 \div 31 = 104 \text{ remainder } 27$$

104
 31 | 3251
 31
 --
 15
 0
 -
 151
 124

 27 ← remainder

$$3251 \div 37 = 87 \text{ remainder } 32$$

87
 37 | 3251
 296

 291
 259

 32 ← remainder

$$3251 \div 41 = 79 \text{ remainder } 12$$

$$\begin{array}{r}
 79 \\
 41 \overline{) 3251} \\
 \underline{287} \\
 381 \\
 \underline{369} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$3251 \div 43 = 75 \text{ remainder } 26$$

$$\begin{array}{r}
 75 \\
 43 \overline{) 3251} \\
 \underline{301} \\
 241 \\
 \underline{215} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$3251 \div 47 = 69 \text{ remainder } 8$$

$$\begin{array}{r}
 69 \\
 47 \overline{) 3251} \\
 \underline{282} \\
 431 \\
 \underline{423} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$3251 \div 53 = 61 \text{ remainder } 18$$

$$\begin{array}{r}
 61 \\
 53 \overline{) 3251} \\
 \underline{318} \\
 71 \\
 \underline{53} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

P₄₅₉ 3253

$$3253 \div 2 = 1626 \text{ remainder } 1$$

$$\begin{array}{r} 1626 \\ 2 \mid 3253 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ -- \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3253 \div 3 = 1084 \text{ remainder } 1$$

$$\begin{array}{r} 1084 \\ 3 \mid 3253 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 25 \\ \underline{24} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3253 \div 5 = 650 \text{ remainder } 3$$

$$\begin{array}{r} 650 \\ 5 \mid 3253 \\ \underline{30} \\ -- \end{array}$$

```

25
25
--
3
0
-
3 ← remainder

```

$$3253 \div 7 = 464 \text{ remainder } 5$$

```

    464
7 | 3253
   28
   --
   45
   42
   --
   33
   28
   --
   5 ← remainder

```

$$3253 \div 11 = 295 \text{ remainder } 8$$

```

    295
11 | 3253
   22
   --
  105
   99
   --
   63
   55
   --
   8 ← remainder

```

$$3253 \div 13 = 250 \text{ remainder } 3$$

```

    250
13 | 3253
   26
   --
   65
   65

```

```

--
3
0
-
3 ← remainder

```

$$3253 \div 17 = 191 \text{ remainder } 6$$

```

191
17 | 3253
   17
   --
   155
   153
   ---
    23
    17
    --
    6 ← remainder

```

$$3253 \div 19 = 171 \text{ remainder } 4$$

```

171
19 | 3253
   19
   --
   135
   133
   ---
    23
    19
    --
    4 ← remainder

```

$$3253 \div 23 = 141 \text{ remainder } 10$$

```

141
23 | 3253
   23
   --
   95
   92
   --
   33

```

23
 --
 10 ← remainder

$$3253 \div 29 = 112 \text{ remainder } 5$$

112
 29 | 3253
 29
 --
 35
 29
 --
 63
 58
 --
 5 ← remainder

$$3253 \div 31 = 104 \text{ remainder } 29$$

104
 31 | 3253
 31
 --
 15
 0
 -
 153
 124

 29 ← remainder

$$3253 \div 37 = 87 \text{ remainder } 34$$

87
 37 | 3253
 296

 293
 259

 34 ← remainder

$$3253 \div 41 = 79 \text{ remainder } 14$$

$$\begin{array}{r}
 79 \\
 41 \overline{) 3253} \\
 \underline{287} \\
 383 \\
 \underline{369} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$3253 \div 43 = 75 \text{ remainder } 28$$

$$\begin{array}{r}
 75 \\
 43 \overline{) 3253} \\
 \underline{301} \\
 243 \\
 \underline{215} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$3253 \div 47 = 69 \text{ remainder } 10$$

$$\begin{array}{r}
 69 \\
 47 \overline{) 3253} \\
 \underline{282} \\
 433 \\
 \underline{423} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$3253 \div 53 = 61 \text{ remainder } 20$$

$$\begin{array}{r}
 61 \\
 53 \overline{) 3253} \\
 \underline{318} \\
 73 \\
 \underline{53} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₀ 3257

$$3257 \div 2 = 1628 \text{ remainder } 1$$

$$\begin{array}{r} 1628 \\ 2 \mid 3257 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ -- \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3257 \div 3 = 1085 \text{ remainder } 2$$

$$\begin{array}{r} 1085 \\ 3 \mid 3257 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 25 \\ \underline{24} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3257 \div 5 = 651 \text{ remainder } 2$$

$$\begin{array}{r} 651 \\ 5 \mid 3257 \\ \underline{30} \\ -- \end{array}$$

```

25
25
--
7
5
-
2 ← remainder

```

$$3257 \div 7 = 465 \text{ remainder } 2$$

```

      465
7 | 3257
  28
  --
   45
   42
   --
   37
   35
   --
   2 ← remainder

```

$$3257 \div 11 = 296 \text{ remainder } 1$$

```

      296
11 | 3257
   22
   --
  105
   99
   --
   67
   66
   --
   1 ← remainder

```

$$3257 \div 13 = 250 \text{ remainder } 7$$

```

      250
13 | 3257
   26
   --
   65
   65

```

```

--
7
0
-
7 ← remainder

```

$$3257 \div 17 = 191 \text{ remainder } 10$$

```

191
17 | 3257
   17
   --
   155
   153
   ---
    27
    17
    --
    10 ← remainder

```

$$3257 \div 19 = 171 \text{ remainder } 8$$

```

171
19 | 3257
   19
   --
   135
   133
   ---
    27
    19
    --
    8 ← remainder

```

$$3257 \div 23 = 141 \text{ remainder } 14$$

```

141
23 | 3257
   23
   --
   95
   92
   --
   37

```

23

--

14 ← remainder

$$3257 \div 29 = 112 \text{ remainder } 9$$

112
29 | 3257

29

--

35

29

--

67

58

--

9 ← remainder

$$3257 \div 31 = 105 \text{ remainder } 2$$

105
31 | 3257

31

--

15

0

-

157

155

2 ← remainder

$$3257 \div 37 = 88 \text{ remainder } 1$$

88
37 | 3257

296

297

296

1 ← remainder

$$3257 \div 41 = 79 \text{ remainder } 18$$

$$\begin{array}{r}
 79 \\
 41 \mid 3257 \\
 \underline{287} \\
 --- \\
 387 \\
 \underline{369} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$3257 \div 43 = 75 \text{ remainder } 32$$

$$\begin{array}{r}
 75 \\
 43 \mid 3257 \\
 \underline{301} \\
 --- \\
 247 \\
 \underline{215} \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$3257 \div 47 = 69 \text{ remainder } 14$$

$$\begin{array}{r}
 69 \\
 47 \mid 3257 \\
 \underline{282} \\
 --- \\
 437 \\
 \underline{423} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$3257 \div 53 = 61 \text{ remainder } 24$$

$$\begin{array}{r}
 61 \\
 53 \mid 3257 \\
 \underline{318} \\
 --- \\
 77 \\
 \underline{53} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₁ 3259

$$3259 \div 2 = 1629 \text{ remainder } 1$$

$$\begin{array}{r} 1629 \\ 2 \mid 3259 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ -- \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3259 \div 3 = 1086 \text{ remainder } 1$$

$$\begin{array}{r} 1086 \\ 3 \mid 3259 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 25 \\ \underline{24} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3259 \div 5 = 651 \text{ remainder } 4$$

$$\begin{array}{r} 651 \\ 5 \mid 3259 \\ \underline{30} \\ -- \end{array}$$

```

25
25
--
9
5
-
4 ← remainder

```

$$3259 \div 7 = 465 \text{ remainder } 4$$

```

    465
7 | 3259
   28
   --
   45
   42
   --
   39
   35
   --
   4 ← remainder

```

$$3259 \div 11 = 296 \text{ remainder } 3$$

```

    296
11 | 3259
   22
   --
  105
   99
   --
   69
   66
   --
   3 ← remainder

```

$$3259 \div 13 = 250 \text{ remainder } 9$$

```

    250
13 | 3259
   26
   --
   65
   65

```

```

--
9
0
-
9 ← remainder

```

$$3259 \div 17 = 191 \text{ remainder } 12$$

```

191
17 | 3259
   17
   --
   155
   153
   ---
   29
   17
   --
   12 ← remainder

```

$$3259 \div 19 = 171 \text{ remainder } 10$$

```

171
19 | 3259
   19
   --
   135
   133
   ---
   29
   19
   --
   10 ← remainder

```

$$3259 \div 23 = 141 \text{ remainder } 16$$

```

141
23 | 3259
   23
   --
   95
   92
   --
   39

```


23

--

16 ← remainder

$$3259 \div 29 = 112 \text{ remainder } 11$$

112
29 | 3259
29

--

35

29

--

69

58

--

11 ← remainder

$$3259 \div 31 = 105 \text{ remainder } 4$$

105
31 | 3259
31

--

15

0

-

159

155

4 ← remainder

$$3259 \div 37 = 88 \text{ remainder } 3$$

88
37 | 3259
296

299

296

3 ← remainder

$$3259 \div 41 = 79 \text{ remainder } 20$$

$$\begin{array}{r}
 79 \\
 41 \mid 3259 \\
 \underline{287} \\
 389 \\
 \underline{369} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$3259 \div 43 = 75 \text{ remainder } 34$$

$$\begin{array}{r}
 75 \\
 43 \mid 3259 \\
 \underline{301} \\
 249 \\
 \underline{215} \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$3259 \div 47 = 69 \text{ remainder } 16$$

$$\begin{array}{r}
 69 \\
 47 \mid 3259 \\
 \underline{282} \\
 439 \\
 \underline{423} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$3259 \div 53 = 61 \text{ remainder } 26$$

$$\begin{array}{r}
 61 \\
 53 \mid 3259 \\
 \underline{318} \\
 79 \\
 \underline{53} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₂ 3271

$$3271 \div 2 = 1635 \text{ remainder } 1$$

$$\begin{array}{r} 1635 \\ 2 \mid 3271 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3271 \div 3 = 1090 \text{ remainder } 1$$

$$\begin{array}{r} 1090 \\ 3 \mid 3271 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 27 \\ \underline{27} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3271 \div 5 = 654 \text{ remainder } 1$$

$$\begin{array}{r} 654 \\ 5 \mid 3271 \\ \underline{30} \\ -- \end{array}$$

```

27
25
--
21
20
--
1 ← remainder

```

$$3271 \div 7 = 467 \text{ remainder } 2$$

```

  467
7 | 3271
  28
  --
  47
  42
  --
  51
  49
  --
  2 ← remainder

```

$$3271 \div 11 = 297 \text{ remainder } 4$$

```

  297
11 | 3271
   22
   --
  107
   99
   --
   81
   77
   --
   4 ← remainder

```

$$3271 \div 13 = 251 \text{ remainder } 8$$

```

  251
13 | 3271
   26
   --
   67
   65

```

```

--
21
13
--
8 ← remainder

```

$$3271 \div 17 = 192 \text{ remainder } 7$$

```

192
17 | 3271
   17
   --
   157
   153
   ---
    41
    34
    --
    7 ← remainder

```

$$3271 \div 19 = 172 \text{ remainder } 3$$

```

172
19 | 3271
   19
   --
   137
   133
   ---
    41
    38
    --
    3 ← remainder

```

$$3271 \div 23 = 142 \text{ remainder } 5$$

```

142
23 | 3271
   23
   --
   97
   92
   --
   51

```

46
 --
 5 ← remainder

$$3271 \div 29 = 112 \text{ remainder } 23$$

112
 29 | 3271
 29
 --
 37
 29
 --
 81
 58
 --
 23 ← remainder

$$3271 \div 31 = 105 \text{ remainder } 16$$

105
 31 | 3271
 31
 --
 17
 0
 -
 171
 155

 16 ← remainder

$$3271 \div 37 = 88 \text{ remainder } 15$$

88
 37 | 3271
 296

 311
 296

 15 ← remainder

$$3271 \div 41 = 79 \text{ remainder } 32$$

$$\begin{array}{r}
 79 \\
 41 \mid 3271 \\
 \underline{287} \\
 --- \\
 401 \\
 \underline{369} \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$3271 \div 43 = 76 \text{ remainder } 3$$

$$\begin{array}{r}
 76 \\
 43 \mid 3271 \\
 \underline{301} \\
 --- \\
 261 \\
 \underline{258} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$3271 \div 47 = 69 \text{ remainder } 28$$

$$\begin{array}{r}
 69 \\
 47 \mid 3271 \\
 \underline{282} \\
 --- \\
 451 \\
 \underline{423} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$3271 \div 53 = 61 \text{ remainder } 38$$

$$\begin{array}{r}
 61 \\
 53 \mid 3271 \\
 \underline{318} \\
 --- \\
 91 \\
 \underline{53} \\
 --- \\
 38 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₃ 3299

$$3299 \div 2 = 1649 \text{ remainder } 1$$

$$\begin{array}{r} 1649 \\ 2 \overline{) 3299} \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ -- \\ 9 \\ \underline{8} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3299 \div 3 = 1099 \text{ remainder } 2$$

$$\begin{array}{r} 1099 \\ 3 \overline{) 3299} \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3299 \div 5 = 659 \text{ remainder } 4$$

$$\begin{array}{r} 659 \\ 5 \overline{) 3299} \\ \underline{30} \\ -- \end{array}$$


```

29
25
--
49
45
--
4 ← remainder

```

$$3299 \div 7 = 471 \text{ remainder } 2$$

```

    471
7 | 3299
   28
   --
   49
   49
   --
    9
    7
    -
    2 ← remainder

```

$$3299 \div 11 = 299 \text{ remainder } 10$$

```

    299
11 | 3299
   22
   --
   109
   99
   --
   109
   99
   --
   10 ← remainder

```

$$3299 \div 13 = 253 \text{ remainder } 10$$

```

    253
13 | 3299
   26
   --
   69
   65

```

```

--
49
39
--
10 ← remainder

```

$$3299 \div 17 = 194 \text{ remainder } 1$$

```

      194
17 | 3299
    17
    --
    159
    153
    ---
     69
     68
     --
     1 ← remainder

```

$$3299 \div 19 = 173 \text{ remainder } 12$$

```

      173
19 | 3299
    19
    --
    139
    133
    ---
     69
     57
     --
     12 ← remainder

```

$$3299 \div 23 = 143 \text{ remainder } 10$$

```

      143
23 | 3299
    23
    --
    99
    92
    --
    79

```

69

--

10 ← remainder

$$3299 \div 29 = 113 \text{ remainder } 22$$

113

29 | 3299

29

--

39

29

--

109

87

--

22 ← remainder

$$3299 \div 31 = 106 \text{ remainder } 13$$

106

31 | 3299

31

--

19

0

-

199

186

13 ← remainder

$$3299 \div 37 = 89 \text{ remainder } 6$$

89

37 | 3299

296

339

333

6 ← remainder

$$3299 \div 41 = 80 \text{ remainder } 19$$

$$\begin{array}{r}
 80 \\
 41 \mid 3299 \\
 \underline{328} \\
 --- \\
 19 \\
 0 \\
 - \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$3299 \div 43 = 76 \text{ remainder } 31$$

$$\begin{array}{r}
 76 \\
 43 \mid 3299 \\
 \underline{301} \\
 --- \\
 289 \\
 \underline{258} \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$3299 \div 47 = 70 \text{ remainder } 9$$

$$\begin{array}{r}
 70 \\
 47 \mid 3299 \\
 \underline{329} \\
 --- \\
 9 \\
 0 \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$3299 \div 53 = 62 \text{ remainder } 13$$

$$\begin{array}{r}
 62 \\
 53 \mid 3299 \\
 \underline{318} \\
 --- \\
 119 \\
 \underline{106} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₄ 3301

$$3301 \div 2 = 1650 \text{ remainder } 1$$

$$\begin{array}{r} 1650 \\ 2 \mid 3301 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3301 \div 3 = 1100 \text{ remainder } 1$$

$$\begin{array}{r} 1100 \\ 3 \mid 3301 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3301 \div 5 = 660 \text{ remainder } 1$$

$$\begin{array}{r} 660 \\ 5 \mid 3301 \\ \underline{30} \\ - - \end{array}$$

```

30
30
--
1
0
-
1 ← remainder

```

$$3301 \div 7 = 471 \text{ remainder } 4$$

```

471
7 | 3301
28
--
50
49
--
11
7
-
4 ← remainder

```

$$3301 \div 11 = 300 \text{ remainder } 1$$

```

300
11 | 3301
33
--
0
0
-
1
0
-
1 ← remainder

```

$$3301 \div 13 = 253 \text{ remainder } 12$$

```

253
13 | 3301
26
--
70
65

```

```

--
51
39
--
12 ← remainder

```

$$3301 \div 17 = 194 \text{ remainder } 3$$

```

194
17 | 3301
   17
   --
   160
   153
   ---
    71
    68
    --
    3 ← remainder

```

$$3301 \div 19 = 173 \text{ remainder } 14$$

```

173
19 | 3301
   19
   --
   140
   133
   ---
    71
    57
    --
    14 ← remainder

```

$$3301 \div 23 = 143 \text{ remainder } 12$$

```

143
23 | 3301
   23
   --
   100
   92
   --
   81

```

69

--

12 \leftarrow remainder

$$3301 \div 29 = 113 \text{ remainder } 24$$

```
      113
29 | 3301
    29
    --
    40
    29
    --
    111
    87
    --
    24  $\leftarrow$  remainder
```

$$3301 \div 31 = 106 \text{ remainder } 15$$

```
      106
31 | 3301
    31
    --
    20
    0
    -
    201
    186
    ---
    15  $\leftarrow$  remainder
```

$$3301 \div 37 = 89 \text{ remainder } 8$$

```
      89
37 | 3301
    296
    ---
    341
    333
    ---
    8  $\leftarrow$  remainder
```

$$3301 \div 41 = 80 \text{ remainder } 21$$

$$\begin{array}{r}
 80 \\
 41 \mid 3301 \\
 \underline{328} \\
 --- \\
 21 \\
 0 \\
 - \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$3301 \div 43 = 76 \text{ remainder } 33$$

$$\begin{array}{r}
 76 \\
 43 \mid 3301 \\
 \underline{301} \\
 --- \\
 291 \\
 \underline{258} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$3301 \div 47 = 70 \text{ remainder } 11$$

$$\begin{array}{r}
 70 \\
 47 \mid 3301 \\
 \underline{329} \\
 --- \\
 11 \\
 0 \\
 - \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$3301 \div 53 = 62 \text{ remainder } 15$$

$$\begin{array}{r}
 62 \\
 53 \mid 3301 \\
 \underline{318} \\
 --- \\
 121 \\
 \underline{106} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₅ 3307

$$3307 \div 2 = 1653 \text{ remainder } 1$$

$$\begin{array}{r} 1653 \\ 2 \mid 3307 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3307 \div 3 = 1102 \text{ remainder } 1$$

$$\begin{array}{r} 1102 \\ 3 \mid 3307 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3307 \div 5 = 661 \text{ remainder } 2$$

$$\begin{array}{r} 661 \\ 5 \mid 3307 \\ \underline{30} \\ - - \end{array}$$

```

30
30
--
7
5
-
2 ← remainder

```

$$3307 \div 7 = 472 \text{ remainder } 3$$

```

472
7 | 3307
28
--
50
49
--
17
14
--
3 ← remainder

```

$$3307 \div 11 = 300 \text{ remainder } 7$$

```

300
11 | 3307
33
--
0
0
-
7
0
-
7 ← remainder

```

$$3307 \div 13 = 254 \text{ remainder } 5$$

```

254
13 | 3307
26
--
70
65

```

```

--
57
52
--
5 ← remainder

```

$$3307 \div 17 = 194 \text{ remainder } 9$$

```

194
17 | 3307
   17
   --
   160
   153
   ---
    77
    68
    --
    9 ← remainder

```

$$3307 \div 19 = 174 \text{ remainder } 1$$

```

174
19 | 3307
   19
   --
   140
   133
   ---
    77
    76
    --
    1 ← remainder

```

$$3307 \div 23 = 143 \text{ remainder } 18$$

```

143
23 | 3307
   23
   --
   100
   92
   --
   87

```

69

--

18 ← remainder

$$3307 \div 29 = 114 \text{ remainder } 1$$

114
29 | 3307
29

--

40

29

--

117

116

1 ← remainder

$$3307 \div 31 = 106 \text{ remainder } 21$$

106
31 | 3307
31

--

20

0

-

207

186

21 ← remainder

$$3307 \div 37 = 89 \text{ remainder } 14$$

89
37 | 3307
296

347

333

14 ← remainder

$$3307 \div 41 = 80 \text{ remainder } 27$$

$$\begin{array}{r}
 80 \\
 41 \overline{) 3307} \\
 \underline{328} \\
 27 \\
 \underline{0} \\
 - \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$3307 \div 43 = 76 \text{ remainder } 39$$

$$\begin{array}{r}
 76 \\
 43 \overline{) 3307} \\
 \underline{301} \\
 297 \\
 \underline{258} \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$3307 \div 47 = 70 \text{ remainder } 17$$

$$\begin{array}{r}
 70 \\
 47 \overline{) 3307} \\
 \underline{329} \\
 17 \\
 \underline{0} \\
 - \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$3307 \div 53 = 62 \text{ remainder } 21$$

$$\begin{array}{r}
 62 \\
 53 \overline{) 3307} \\
 \underline{318} \\
 127 \\
 \underline{106} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₆ 3313

$$3313 \div 2 = 1656 \text{ remainder } 1$$

$$\begin{array}{r} 1656 \\ 2 \mid 3313 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3313 \div 3 = 1104 \text{ remainder } 1$$

$$\begin{array}{r} 1104 \\ 3 \mid 3313 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3313 \div 5 = 662 \text{ remainder } 3$$

$$\begin{array}{r} 662 \\ 5 \mid 3313 \\ \underline{30} \\ - - \end{array}$$

```

31
30
--
13
10
--
3 ← remainder

```

$$3313 \div 7 = 473 \text{ remainder } 2$$

```

    473
7 | 3313
   28
   --
   51
   49
   --
   23
   21
   --
   2 ← remainder

```

$$3313 \div 11 = 301 \text{ remainder } 2$$

```

    301
11 | 3313
   33
   --
    1
    0
    -
    13
    11
    --
    2 ← remainder

```

$$3313 \div 13 = 254 \text{ remainder } 11$$

```

    254
13 | 3313
   26
   --
   71
   65

```



```

--
63
52
--
11 ← remainder

```

$$3313 \div 17 = 194 \text{ remainder } 15$$

```

194
17 | 3313
   17
   --
   161
   153
   ---
    83
    68
    --
    15 ← remainder

```

$$3313 \div 19 = 174 \text{ remainder } 7$$

```

174
19 | 3313
   19
   --
   141
   133
   ---
    83
    76
    --
    7 ← remainder

```

$$3313 \div 23 = 144 \text{ remainder } 1$$

```

144
23 | 3313
   23
   --
   101
    92
    --
    93

```

92

--

1 ← remainder

$$3313 \div 29 = 114 \text{ remainder } 7$$

114
29 | 3313
29

--

41

29

--

123

116

7 ← remainder

$$3313 \div 31 = 106 \text{ remainder } 27$$

106
31 | 3313
31

--

21

0

-

213

186

27 ← remainder

$$3313 \div 37 = 89 \text{ remainder } 20$$

89
37 | 3313
296

353

333

20 ← remainder

$$3313 \div 41 = 80 \text{ remainder } 33$$

$$\begin{array}{r}
 80 \\
 41 \mid 3313 \\
 \underline{328} \\
 --- \\
 33 \\
 0 \\
 - \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$3313 \div 43 = 77 \text{ remainder } 2$$

$$\begin{array}{r}
 77 \\
 43 \mid 3313 \\
 \underline{301} \\
 --- \\
 303 \\
 \underline{301} \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$3313 \div 47 = 70 \text{ remainder } 23$$

$$\begin{array}{r}
 70 \\
 47 \mid 3313 \\
 \underline{329} \\
 --- \\
 23 \\
 0 \\
 - \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$3313 \div 53 = 62 \text{ remainder } 27$$

$$\begin{array}{r}
 62 \\
 53 \mid 3313 \\
 \underline{318} \\
 --- \\
 133 \\
 \underline{106} \\
 --- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₇ 3319

$$3319 \div 2 = 1659 \text{ remainder } 1$$

$$\begin{array}{r} 1659 \\ 2 \mid 3319 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3319 \div 3 = 1106 \text{ remainder } 1$$

$$\begin{array}{r} 1106 \\ 3 \mid 3319 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3319 \div 5 = 663 \text{ remainder } 4$$

$$\begin{array}{r} 663 \\ 5 \mid 3319 \\ \underline{30} \\ - - \end{array}$$

```

31
30
--
19
15
--
4 ← remainder

```

$$3319 \div 7 = 474 \text{ remainder } 1$$

```

    474
7 | 3319
   28
   --
   51
   49
   --
   29
   28
   --
   1 ← remainder

```

$$3319 \div 11 = 301 \text{ remainder } 8$$

```

    301
11 | 3319
   33
   --
   1
   0
   -
   19
   11
   --
   8 ← remainder

```

$$3319 \div 13 = 255 \text{ remainder } 4$$

```

    255
13 | 3319
   26
   --
   71
   65

```

```

--
69
65
--
4 ← remainder

```

$$3319 \div 17 = 195 \text{ remainder } 4$$

```

195
17 | 3319
   17
   --
   161
   153
   ---
    89
    85
    --
    4 ← remainder

```

$$3319 \div 19 = 174 \text{ remainder } 13$$

```

174
19 | 3319
   19
   --
   141
   133
   ---
    89
    76
    --
    13 ← remainder

```

$$3319 \div 23 = 144 \text{ remainder } 7$$

```

144
23 | 3319
   23
   --
   101
    92
    --
    99

```

92
 --
 7 ← remainder

$$3319 \div 29 = 114 \text{ remainder } 13$$

114
 29 | 3319
 29
 --
 41
 29
 --
 129
 116

 13 ← remainder

$$3319 \div 31 = 107 \text{ remainder } 2$$

107
 31 | 3319
 31
 --
 21
 0
 -
 219
 217

 2 ← remainder

$$3319 \div 37 = 89 \text{ remainder } 26$$

89
 37 | 3319
 296

 359
 333

 26 ← remainder

$$3319 \div 41 = 80 \text{ remainder } 39$$

$$\begin{array}{r}
 80 \\
 41 \mid 3319 \\
 \underline{328} \\
 --- \\
 39 \\
 0 \\
 - \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$3319 \div 43 = 77 \text{ remainder } 8$$

$$\begin{array}{r}
 77 \\
 43 \mid 3319 \\
 \underline{301} \\
 --- \\
 309 \\
 \underline{301} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$3319 \div 47 = 70 \text{ remainder } 29$$

$$\begin{array}{r}
 70 \\
 47 \mid 3319 \\
 \underline{329} \\
 --- \\
 29 \\
 0 \\
 - \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$3319 \div 53 = 62 \text{ remainder } 33$$

$$\begin{array}{r}
 62 \\
 53 \mid 3319 \\
 \underline{318} \\
 --- \\
 139 \\
 \underline{106} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₈ 3323

$$3323 \div 2 = 1661 \text{ remainder } 1$$

$$\begin{array}{r} 1661 \\ 2 \mid 3323 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3323 \div 3 = 1107 \text{ remainder } 2$$

$$\begin{array}{r} 1107 \\ 3 \mid 3323 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3323 \div 5 = 664 \text{ remainder } 3$$

$$\begin{array}{r} 664 \\ 5 \mid 3323 \\ \underline{30} \\ - - \end{array}$$

```

32
30
--
23
20
--
3 ← remainder

```

$$3323 \div 7 = 474 \text{ remainder } 5$$

```

    474
7 | 3323
  28
  --
   52
   49
   --
   33
   28
   --
   5 ← remainder

```

$$3323 \div 11 = 302 \text{ remainder } 1$$

```

    302
11 | 3323
   33
   --
    2
    0
    -
   23
   22
   --
    1 ← remainder

```

$$3323 \div 13 = 255 \text{ remainder } 8$$

```

    255
13 | 3323
   26
   --
   72
   65

```

```

--
73
65
--
8 ← remainder

```

$$3323 \div 17 = 195 \text{ remainder } 8$$

```

195
17 | 3323
   17
   --
   162
   153
   ---
    93
    85
    --
    8 ← remainder

```

$$3323 \div 19 = 174 \text{ remainder } 17$$

```

174
19 | 3323
   19
   --
   142
   133
   ---
    93
    76
    --
    17 ← remainder

```

$$3323 \div 23 = 144 \text{ remainder } 11$$

```

144
23 | 3323
   23
   --
   102
   92
   --
   103

```

92

--

11 ← remainder

$$3323 \div 29 = 114 \text{ remainder } 17$$

114
29 | 3323
29

--

42

29

--

133

116

17 ← remainder

$$3323 \div 31 = 107 \text{ remainder } 6$$

107
31 | 3323
31

--

22

0

-

223

217

6 ← remainder

$$3323 \div 37 = 89 \text{ remainder } 30$$

89
37 | 3323
296

363

333

30 ← remainder

$$3323 \div 41 = 81 \text{ remainder } 2$$

$$\begin{array}{r}
 81 \\
 41 \overline{) 3323} \\
 \underline{328} \\
 43 \\
 \underline{41} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$3323 \div 43 = 77 \text{ remainder } 12$$

$$\begin{array}{r}
 77 \\
 43 \overline{) 3323} \\
 \underline{301} \\
 313 \\
 \underline{301} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$3323 \div 47 = 70 \text{ remainder } 33$$

$$\begin{array}{r}
 70 \\
 47 \overline{) 3323} \\
 \underline{329} \\
 33 \\
 \underline{0} \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$3323 \div 53 = 62 \text{ remainder } 37$$

$$\begin{array}{r}
 62 \\
 53 \overline{) 3323} \\
 \underline{318} \\
 143 \\
 \underline{106} \\
 37 \leftarrow \text{remainder}
 \end{array}$$

P₄₆₉ 3329

$$3329 \div 2 = 1664 \text{ remainder } 1$$

$$\begin{array}{r} 1664 \\ 2 \mid 3329 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3329 \div 3 = 1109 \text{ remainder } 2$$

$$\begin{array}{r} 1109 \\ 3 \mid 3329 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3329 \div 5 = 665 \text{ remainder } 4$$

$$\begin{array}{r} 665 \\ 5 \mid 3329 \\ \underline{30} \\ - - \end{array}$$

```

32
30
--
29
25
--
4 ← remainder

```

$$3329 \div 7 = 475 \text{ remainder } 4$$

```

    475
7 | 3329
   28
   --
   52
   49
   --
   39
   35
   --
   4 ← remainder

```

$$3329 \div 11 = 302 \text{ remainder } 7$$

```

    302
11 | 3329
   33
   --
    2
    0
    -
    29
    22
    --
    7 ← remainder

```

$$3329 \div 13 = 256 \text{ remainder } 1$$

```

    256
13 | 3329
   26
   --
   72
   65

```

```

--
79
78
--
1 ← remainder

```

$$3329 \div 17 = 195 \text{ remainder } 14$$

```

195
17 | 3329
   17
   --
   162
   153
   ---
    99
    85
    --
    14 ← remainder

```

$$3329 \div 19 = 175 \text{ remainder } 4$$

```

175
19 | 3329
   19
   --
   142
   133
   ---
    99
    95
    --
    4 ← remainder

```

$$3329 \div 23 = 144 \text{ remainder } 17$$

```

144
23 | 3329
   23
   --
   102
   92
   --
   109

```


92
 --
 17 ← remainder

$$3329 \div 29 = 114 \text{ remainder } 23$$

114
 29 | 3329
 29
 --
 42
 29
 --
 139
 116

 23 ← remainder

$$3329 \div 31 = 107 \text{ remainder } 12$$

107
 31 | 3329
 31
 --
 22
 0
 -
 229
 217

 12 ← remainder

$$3329 \div 37 = 89 \text{ remainder } 36$$

89
 37 | 3329
 296

 369
 333

 36 ← remainder

$$3329 \div 41 = 81 \text{ remainder } 8$$

$$\begin{array}{r}
 81 \\
 41 \mid 3329 \\
 \underline{328} \\
 --- \\
 49 \\
 \underline{41} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$3329 \div 43 = 77 \text{ remainder } 18$$

$$\begin{array}{r}
 77 \\
 43 \mid 3329 \\
 \underline{301} \\
 --- \\
 319 \\
 \underline{301} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$3329 \div 47 = 70 \text{ remainder } 39$$

$$\begin{array}{r}
 70 \\
 47 \mid 3329 \\
 \underline{329} \\
 --- \\
 39 \\
 \underline{0} \\
 - \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$3329 \div 53 = 62 \text{ remainder } 43$$

$$\begin{array}{r}
 62 \\
 53 \mid 3329 \\
 \underline{318} \\
 --- \\
 149 \\
 \underline{106} \\
 --- \\
 43 \leftarrow \text{remainder}
 \end{array}$$

P₄₇₀ 3331

$$3331 \div 2 = 1665 \text{ remainder } 1$$

$$\begin{array}{r} 1665 \\ 2 \mid 3331 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - \\ 13 \\ \underline{12} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3331 \div 3 = 1110 \text{ remainder } 1$$

$$\begin{array}{r} 1110 \\ 3 \mid 3331 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3331 \div 5 = 666 \text{ remainder } 1$$

$$\begin{array}{r} 666 \\ 5 \mid 3331 \\ \underline{30} \\ - \end{array}$$

```

33
30
--
31
30
--
1 ← remainder

```

$$3331 \div 7 = 475 \text{ remainder } 6$$

```

    475
7 | 3331
   28
   --
   53
   49
   --
   41
   35
   --
   6 ← remainder

```

$$3331 \div 11 = 302 \text{ remainder } 9$$

```

    302
11 | 3331
   33
   --
    3
    0
    -
    31
    22
    --
    9 ← remainder

```

$$3331 \div 13 = 256 \text{ remainder } 3$$

```

    256
13 | 3331
   26
   --
   73
   65

```

```

--
81
78
--
3 ← remainder

```

$$3331 \div 17 = 195 \text{ remainder } 16$$

```

195
17 | 3331
   17
   --
   163
   153
   ---
   101
   85
   --
   16 ← remainder

```

$$3331 \div 19 = 175 \text{ remainder } 6$$

```

175
19 | 3331
   19
   --
   143
   133
   ---
   101
   95
   --
   6 ← remainder

```

$$3331 \div 23 = 144 \text{ remainder } 19$$

```

144
23 | 3331
   23
   --
   103
   92
   --
   11

```

92

--

19 ← remainder

$$3331 \div 29 = 114 \text{ remainder } 25$$

```
      114
29 | 3331
    29
    --
    43
    29
    --
    141
    116
    ---
    25 ← remainder
```

$$3331 \div 31 = 107 \text{ remainder } 14$$

```
      107
31 | 3331
    31
    --
    23
    0
    -
    231
    217
    ---
    14 ← remainder
```

$$3331 \div 37 = 90 \text{ remainder } 1$$

```
      90
37 | 3331
    333
    ---
     1
     0
     -
     1 ← remainder
```

$$3331 \div 41 = 81 \text{ remainder } 10$$

$$\begin{array}{r}
 81 \\
 41 \overline{) 3331} \\
 \underline{328} \\
 51 \\
 \underline{41} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$3331 \div 43 = 77 \text{ remainder } 20$$

$$\begin{array}{r}
 77 \\
 43 \overline{) 3331} \\
 \underline{301} \\
 321 \\
 \underline{301} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$3331 \div 47 = 70 \text{ remainder } 41$$

$$\begin{array}{r}
 70 \\
 47 \overline{) 3331} \\
 \underline{329} \\
 41 \\
 \underline{0} \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$3331 \div 53 = 62 \text{ remainder } 45$$

$$\begin{array}{r}
 62 \\
 53 \overline{) 3331} \\
 \underline{318} \\
 151 \\
 \underline{106} \\
 45 \leftarrow \text{remainder}
 \end{array}$$

P₄₇₁ 3343

$$3343 \div 2 = 1671 \text{ remainder } 1$$

$$\begin{array}{r} 1671 \\ 2 \mid 3343 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3343 \div 3 = 1114 \text{ remainder } 1$$

$$\begin{array}{r} 1114 \\ 3 \mid 3343 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3343 \div 5 = 668 \text{ remainder } 3$$

$$\begin{array}{r} 668 \\ 5 \mid 3343 \\ \underline{30} \\ - - \end{array}$$


```

34
30
--
43
40
--
3 ← remainder

```

$$3343 \div 7 = 477 \text{ remainder } 4$$

```

    477
7 | 3343
   28
   --
   54
   49
   --
   53
   49
   --
   4 ← remainder

```

$$3343 \div 11 = 303 \text{ remainder } 10$$

```

    303
11 | 3343
    33
    --
    4
    0
    -
    43
    33
    --
    10 ← remainder

```

$$3343 \div 13 = 257 \text{ remainder } 2$$

```

    257
13 | 3343
    26
    --
    74
    65

```

```

--
93
91
--
2 ← remainder

```

$$3343 \div 17 = 196 \text{ remainder } 11$$

```

196
17 | 3343
   17
   --
   164
   153
   ---
   113
   102
   ---
   11 ← remainder

```

$$3343 \div 19 = 175 \text{ remainder } 18$$

```

175
19 | 3343
   19
   --
   144
   133
   ---
   113
   95
   --
   18 ← remainder

```

$$3343 \div 23 = 145 \text{ remainder } 8$$

```

145
23 | 3343
   23
   --
   104
   92
   --
   123

```

115

 8 ← remainder

$$3343 \div 29 = 115 \text{ remainder } 8$$

115
 29 | 3343
 29
 --
 44
 29
 --
 153
 145

 8 ← remainder

$$3343 \div 31 = 107 \text{ remainder } 26$$

107
 31 | 3343
 31
 --
 24
 0
 -
 243
 217

 26 ← remainder

$$3343 \div 37 = 90 \text{ remainder } 13$$

90
 37 | 3343
 333

 13
 0
 -
 13 ← remainder

$$3343 \div 41 = 81 \text{ remainder } 22$$

```

      81
41 | 3343
    328
    ---
      63
      41
      --
      22 ← remainder

```

$3343 \div 43 = 77$ remainder 32

```

      77
43 | 3343
    301
    ---
      333
      301
      ---
      32 ← remainder

```

$3343 \div 47 = 71$ remainder 6

```

      71
47 | 3343
    329
    ---
      53
      47
      --
      6 ← remainder

```

$3343 \div 53 = 63$ remainder 4

```

      63
53 | 3343
    318
    ---
      163
      159
      ---
      4 ← remainder

```

P₄₇₂ 3347

$$3347 \div 2 = 1673 \text{ remainder } 1$$

$$\begin{array}{r} 1673 \\ 2 \mid 3347 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3347 \div 3 = 1115 \text{ remainder } 2$$

$$\begin{array}{r} 1115 \\ 3 \mid 3347 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3347 \div 5 = 669 \text{ remainder } 2$$

$$\begin{array}{r} 669 \\ 5 \mid 3347 \\ \underline{30} \\ - - \end{array}$$

```

34
30
--
47
45
--
2 ← remainder

```

$$3347 \div 7 = 478 \text{ remainder } 1$$

```

    478
7 | 3347
   28
   --
   54
   49
   --
   57
   56
   --
   1 ← remainder

```

$$3347 \div 11 = 304 \text{ remainder } 3$$

```

    304
11 | 3347
   33
   --
    4
    0
    -
    47
    44
    --
    3 ← remainder

```

$$3347 \div 13 = 257 \text{ remainder } 6$$

```

    257
13 | 3347
   26
   --
   74
   65

```

```

--
97
91
--
6 ← remainder

```

$$3347 \div 17 = 196 \text{ remainder } 15$$

```

196
17 | 3347
   17
   --
   164
   153
   ---
   117
   102
   ---
   15 ← remainder

```

$$3347 \div 19 = 176 \text{ remainder } 3$$

```

176
19 | 3347
   19
   --
   144
   133
   ---
   117
   114
   ---
   3 ← remainder

```

$$3347 \div 23 = 145 \text{ remainder } 12$$

```

145
23 | 3347
   23
   --
   104
   92
   --
   127

```

115

12 ← remainder

$$3347 \div 29 = 115 \text{ remainder } 12$$

115

29 | 3347

29

--

44

29

--

157

145

12 ← remainder

$$3347 \div 31 = 107 \text{ remainder } 30$$

107

31 | 3347

31

--

24

0

-

247

217

30 ← remainder

$$3347 \div 37 = 90 \text{ remainder } 17$$

90

37 | 3347

333

17

0

-

17 ← remainder

$$3347 \div 41 = 81 \text{ remainder } 26$$


```

      81
41 | 3347
    328
    ---
      67
      41
      --
      26 ← remainder

```

$3347 \div 43 = 77$ remainder 36

```

      77
43 | 3347
    301
    ---
      337
      301
      ---
      36 ← remainder

```

$3347 \div 47 = 71$ remainder 10

```

      71
47 | 3347
    329
    ---
      57
      47
      --
      10 ← remainder

```

$3347 \div 53 = 63$ remainder 8

```

      63
53 | 3347
    318
    ---
      167
      159
      ---
      8 ← remainder

```

P₄₇₃ 3359

$$3359 \div 2 = 1679 \text{ remainder } 1$$

$$\begin{array}{r} 1679 \\ 2 \overline{) 3359} \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 15 \\ \underline{14} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3359 \div 3 = 1119 \text{ remainder } 2$$

$$\begin{array}{r} 1119 \\ 3 \overline{) 3359} \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3359 \div 5 = 671 \text{ remainder } 4$$

$$\begin{array}{r} 671 \\ 5 \overline{) 3359} \\ \underline{30} \\ - - \end{array}$$

```

35
35
--
9
5
-
4 ← remainder

```

$$3359 \div 7 = 479 \text{ remainder } 6$$

```

479
7 | 3359
28
--
55
49
--
69
63
--
6 ← remainder

```

$$3359 \div 11 = 305 \text{ remainder } 4$$

```

305
11 | 3359
33
--
5
0
-
59
55
--
4 ← remainder

```

$$3359 \div 13 = 258 \text{ remainder } 5$$

```

258
13 | 3359
26
--
75
65

```

```

--
109
104
---
5 ← remainder

```

$$3359 \div 17 = 197 \text{ remainder } 10$$

```

197
17 | 3359
   17
   --
   165
   153
   ---
   129
   119
   ---
   10 ← remainder

```

$$3359 \div 19 = 176 \text{ remainder } 15$$

```

176
19 | 3359
   19
   --
   145
   133
   ---
   129
   114
   ---
   15 ← remainder

```

$$3359 \div 23 = 146 \text{ remainder } 1$$

```

146
23 | 3359
   23
   --
   105
   92
   --
   139

```

138

1 ← remainder

$$3359 \div 29 = 115 \text{ remainder } 24$$

115

29 | 3359

29

--

45

29

--

169

145

24 ← remainder

$$3359 \div 31 = 108 \text{ remainder } 11$$

108

31 | 3359

31

--

25

0

-

259

248

11 ← remainder

$$3359 \div 37 = 90 \text{ remainder } 29$$

90

37 | 3359

333

29

0

-

29 ← remainder

$$3359 \div 41 = 81 \text{ remainder } 38$$

$$\begin{array}{r}
 81 \\
 41 \mid 3359 \\
 \underline{328} \\
 --- \\
 79 \\
 \underline{41} \\
 -- \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$3359 \div 43 = 78 \text{ remainder } 5$$

$$\begin{array}{r}
 78 \\
 43 \mid 3359 \\
 \underline{301} \\
 --- \\
 349 \\
 \underline{344} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3359 \div 47 = 71 \text{ remainder } 22$$

$$\begin{array}{r}
 71 \\
 47 \mid 3359 \\
 \underline{329} \\
 --- \\
 69 \\
 \underline{47} \\
 -- \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$3359 \div 53 = 63 \text{ remainder } 20$$

$$\begin{array}{r}
 63 \\
 53 \mid 3359 \\
 \underline{318} \\
 --- \\
 179 \\
 \underline{159} \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

P₄₇₄ 3361

$$3361 \div 2 = 1680 \text{ remainder } 1$$

$$\begin{array}{r} 1680 \\ 2 \mid 3361 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3361 \div 3 = 1120 \text{ remainder } 1$$

$$\begin{array}{r} 1120 \\ 3 \mid 3361 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3361 \div 5 = 672 \text{ remainder } 1$$

$$\begin{array}{r} 672 \\ 5 \mid 3361 \\ \underline{30} \\ - - \end{array}$$

```

36
35
--
11
10
--
1 ← remainder

```

$$3361 \div 7 = 480 \text{ remainder } 1$$

```

    480
7 | 3361
   28
   --
   56
   56
   --
    1
    0
    -
    1 ← remainder

```

$$3361 \div 11 = 305 \text{ remainder } 6$$

```

    305
11 | 3361
   33
   --
    6
    0
    -
   61
   55
   --
    6 ← remainder

```

$$3361 \div 13 = 258 \text{ remainder } 7$$

```

    258
13 | 3361
   26
   --
   76
   65

```



```

--
111
104
---
7 ← remainder

```

$$3361 \div 17 = 197 \text{ remainder } 12$$

```

197
17 | 3361
   17
   --
   166
   153
   ---
   131
   119
   ---
   12 ← remainder

```

$$3361 \div 19 = 176 \text{ remainder } 17$$

```

176
19 | 3361
   19
   --
   146
   133
   ---
   131
   114
   ---
   17 ← remainder

```

$$3361 \div 23 = 146 \text{ remainder } 3$$

```

146
23 | 3361
   23
   --
   106
   92
   --
   141

```

138

3 ← remainder

$$3361 \div 29 = 115 \text{ remainder } 26$$

115

29 | 3361

29

--

46

29

--

171

145

26 ← remainder

$$3361 \div 31 = 108 \text{ remainder } 13$$

108

31 | 3361

31

--

26

0

-

261

248

13 ← remainder

$$3361 \div 37 = 90 \text{ remainder } 31$$

90

37 | 3361

333

31

0

-

31 ← remainder

$$3361 \div 41 = 81 \text{ remainder } 40$$

$$\begin{array}{r}
 81 \\
 41 \overline{) 3361} \\
 \underline{328} \\
 81 \\
 \underline{41} \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$3361 \div 43 = 78 \text{ remainder } 7$$

$$\begin{array}{r}
 78 \\
 43 \overline{) 3361} \\
 \underline{301} \\
 351 \\
 \underline{344} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$3361 \div 47 = 71 \text{ remainder } 24$$

$$\begin{array}{r}
 71 \\
 47 \overline{) 3361} \\
 \underline{329} \\
 71 \\
 \underline{47} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$3361 \div 53 = 63 \text{ remainder } 22$$

$$\begin{array}{r}
 63 \\
 53 \overline{) 3361} \\
 \underline{318} \\
 181 \\
 \underline{159} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

P₄₇₅ 3371

$$3371 \div 2 = 1685 \text{ remainder } 1$$

$$\begin{array}{r} 1685 \\ 2 \mid 3371 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3371 \div 3 = 1123 \text{ remainder } 2$$

$$\begin{array}{r} 1123 \\ 3 \mid 3371 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3371 \div 5 = 674 \text{ remainder } 1$$

$$\begin{array}{r} 674 \\ 5 \mid 3371 \\ \underline{30} \\ -- \end{array}$$

```

37
35
--
21
20
--
1 ← remainder

```

$$3371 \div 7 = 481 \text{ remainder } 4$$

```

  481
7 | 3371
  28
  --
  57
  56
  --
  11
   7
   -
   4 ← remainder

```

$$3371 \div 11 = 306 \text{ remainder } 5$$

```

  306
11 | 3371
   33
   --
    7
    0
    -
   71
   66
   --
    5 ← remainder

```

$$3371 \div 13 = 259 \text{ remainder } 4$$

```

  259
13 | 3371
   26
   --
   77
   65

```

```

--
121
117
---
4 ← remainder

```

$$3371 \div 17 = 198 \text{ remainder } 5$$

```

198
17 | 3371
   17
   --
   167
   153
   ---
   141
   136
   ---
   5 ← remainder

```

$$3371 \div 19 = 177 \text{ remainder } 8$$

```

177
19 | 3371
   19
   --
   147
   133
   ---
   141
   133
   ---
   8 ← remainder

```

$$3371 \div 23 = 146 \text{ remainder } 13$$

```

146
23 | 3371
   23
   --
   107
   92
   --
   151

```

138

13 ← remainder

$$3371 \div 29 = 116 \text{ remainder } 7$$

116

29 | 3371

29

--

47

29

--

181

174

7 ← remainder

$$3371 \div 31 = 108 \text{ remainder } 23$$

108

31 | 3371

31

--

27

0

-

271

248

23 ← remainder

$$3371 \div 37 = 91 \text{ remainder } 4$$

91

37 | 3371

333

41

37

--

4 ← remainder

$$3371 \div 41 = 82 \text{ remainder } 9$$

$$\begin{array}{r}
 82 \\
 41 \mid 3371 \\
 \underline{328} \\
 --- \\
 91 \\
 \underline{82} \\
 -- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$3371 \div 43 = 78 \text{ remainder } 17$$

$$\begin{array}{r}
 78 \\
 43 \mid 3371 \\
 \underline{301} \\
 --- \\
 361 \\
 \underline{344} \\
 --- \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$3371 \div 47 = 71 \text{ remainder } 34$$

$$\begin{array}{r}
 71 \\
 47 \mid 3371 \\
 \underline{329} \\
 --- \\
 81 \\
 \underline{47} \\
 -- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$3371 \div 53 = 63 \text{ remainder } 32$$

$$\begin{array}{r}
 63 \\
 53 \mid 3371 \\
 \underline{318} \\
 --- \\
 191 \\
 \underline{159} \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

P₄₇₆ 3373

$$3373 \div 2 = 1686 \text{ remainder } 1$$

$$\begin{array}{r} 1686 \\ 2 \overline{) 3373} \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3373 \div 3 = 1124 \text{ remainder } 1$$

$$\begin{array}{r} 1124 \\ 3 \overline{) 3373} \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3373 \div 5 = 674 \text{ remainder } 3$$

$$\begin{array}{r} 674 \\ 5 \overline{) 3373} \\ \underline{30} \\ -- \end{array}$$

```

37
35
--
23
20
--
3 ← remainder

```

$$3373 \div 7 = 481 \text{ remainder } 6$$

```

    481
7 | 3373
   28
   --
   57
   56
   --
   13
    7
    -
    6 ← remainder

```

$$3373 \div 11 = 306 \text{ remainder } 7$$

```

    306
11 | 3373
   33
   --
    7
    0
    -
    73
    66
    --
    7 ← remainder

```

$$3373 \div 13 = 259 \text{ remainder } 6$$

```

    259
13 | 3373
   26
   --
   77
   65

```

```

--
123
117
---
6 ← remainder

```

$$3373 \div 17 = 198 \text{ remainder } 7$$

```

198
17 | 3373
   17
   --
   167
   153
   ---
   143
   136
   ---
   7 ← remainder

```

$$3373 \div 19 = 177 \text{ remainder } 10$$

```

177
19 | 3373
   19
   --
   147
   133
   ---
   143
   133
   ---
   10 ← remainder

```

$$3373 \div 23 = 146 \text{ remainder } 15$$

```

146
23 | 3373
   23
   --
   107
   92
   --
   153

```

138

15 ← remainder

$$3373 \div 29 = 116 \text{ remainder } 9$$

116
29 | 3373
29

--

47

29

--

183

174

9 ← remainder

$$3373 \div 31 = 108 \text{ remainder } 25$$

108
31 | 3373
31

--

27

0

-

273

248

25 ← remainder

$$3373 \div 37 = 91 \text{ remainder } 6$$

91
37 | 3373
333

43

37

--

6 ← remainder

$$3373 \div 41 = 82 \text{ remainder } 11$$

$$\begin{array}{r}
 82 \\
 41 \mid 3373 \\
 \underline{328} \\
 --- \\
 93 \\
 \underline{82} \\
 -- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$3373 \div 43 = 78 \text{ remainder } 19$$

$$\begin{array}{r}
 78 \\
 43 \mid 3373 \\
 \underline{301} \\
 --- \\
 363 \\
 \underline{344} \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$3373 \div 47 = 71 \text{ remainder } 36$$

$$\begin{array}{r}
 71 \\
 47 \mid 3373 \\
 \underline{329} \\
 --- \\
 83 \\
 \underline{47} \\
 -- \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$3373 \div 53 = 63 \text{ remainder } 34$$

$$\begin{array}{r}
 63 \\
 53 \mid 3373 \\
 \underline{318} \\
 --- \\
 193 \\
 \underline{159} \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

P₄₇₇ 3389

$$3389 \div 2 = 1694 \text{ remainder } 1$$

$$\begin{array}{r} 1694 \\ 2 \mid 3389 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3389 \div 3 = 1129 \text{ remainder } 2$$

$$\begin{array}{r} 1129 \\ 3 \mid 3389 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3389 \div 5 = 677 \text{ remainder } 4$$

$$\begin{array}{r} 677 \\ 5 \mid 3389 \\ \underline{30} \\ - - \end{array}$$

```

38
35
--
39
35
--
4 ← remainder

```

$$3389 \div 7 = 484 \text{ remainder } 1$$

```

  484
7 | 3389
  28
  --
  58
  56
  --
  29
  28
  --
  1 ← remainder

```

$$3389 \div 11 = 308 \text{ remainder } 1$$

```

  308
11 | 3389
   33
   --
    8
    0
    -
   89
   88
   --
   1 ← remainder

```

$$3389 \div 13 = 260 \text{ remainder } 9$$

```

  260
13 | 3389
   26
   --
   78
   78

```

```

--
9
0
-
9 ← remainder

```

$$3389 \div 17 = 199 \text{ remainder } 6$$

```

199
17 | 3389
   17
   --
   168
   153
   ---
   159
   153
   ---
   6 ← remainder

```

$$3389 \div 19 = 178 \text{ remainder } 7$$

```

178
19 | 3389
   19
   --
   148
   133
   ---
   159
   152
   ---
   7 ← remainder

```

$$3389 \div 23 = 147 \text{ remainder } 8$$

```

147
23 | 3389
   23
   --
   108
   92
   --
   169

```


161

 8 ← remainder

$$3389 \div 29 = 116 \text{ remainder } 25$$

116
 29 | 3389
 29
 --
 48
 29
 --
 199
 174

 25 ← remainder

$$3389 \div 31 = 109 \text{ remainder } 10$$

109
 31 | 3389
 31
 --
 28
 0
 -
 289
 279

 10 ← remainder

$$3389 \div 37 = 91 \text{ remainder } 22$$

91
 37 | 3389
 333

 59
 37
 --
 22 ← remainder

$$3389 \div 41 = 82 \text{ remainder } 27$$

$$\begin{array}{r}
 82 \\
 41 \mid 3389 \\
 \underline{328} \\
 --- \\
 109 \\
 \underline{82} \\
 -- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$3389 \div 43 = 78 \text{ remainder } 35$$

$$\begin{array}{r}
 78 \\
 43 \mid 3389 \\
 \underline{301} \\
 --- \\
 379 \\
 \underline{344} \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$3389 \div 47 = 72 \text{ remainder } 5$$

$$\begin{array}{r}
 72 \\
 47 \mid 3389 \\
 \underline{329} \\
 --- \\
 99 \\
 \underline{94} \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3389 \div 53 = 63 \text{ remainder } 50$$

$$\begin{array}{r}
 63 \\
 53 \mid 3389 \\
 \underline{318} \\
 --- \\
 209 \\
 \underline{159} \\
 --- \\
 50 \leftarrow \text{remainder}
 \end{array}$$

P₄₇₈ 3391

$$3391 \div 2 = 1695 \text{ remainder } 1$$

$$\begin{array}{r} 1695 \\ 2 \mid 3391 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3391 \div 3 = 1130 \text{ remainder } 1$$

$$\begin{array}{r} 1130 \\ 3 \mid 3391 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3391 \div 5 = 678 \text{ remainder } 1$$

$$\begin{array}{r} 678 \\ 5 \mid 3391 \\ \underline{30} \\ - - \end{array}$$

```

39
35
--
41
40
--
1 ← remainder

```

$$3391 \div 7 = 484 \text{ remainder } 3$$

```

  484
7 | 3391
  28
  --
  59
  56
  --
  31
  28
  --
  3 ← remainder

```

$$3391 \div 11 = 308 \text{ remainder } 3$$

```

  308
11 | 3391
   33
   --
    9
    0
    -
   91
   88
   --
   3 ← remainder

```

$$3391 \div 13 = 260 \text{ remainder } 11$$

```

  260
13 | 3391
   26
   --
   79
   78

```

```

--
11
0
-
11 ← remainder

```

$$3391 \div 17 = 199 \text{ remainder } 8$$

```

199
17 | 3391
   17
   --
   169
   153
   ---
   161
   153
   ---
   8 ← remainder

```

$$3391 \div 19 = 178 \text{ remainder } 9$$

```

178
19 | 3391
   19
   --
   149
   133
   ---
   161
   152
   ---
   9 ← remainder

```

$$3391 \div 23 = 147 \text{ remainder } 10$$

```

147
23 | 3391
   23
   --
   109
   92
   --
   171

```

161

10 ← remainder

$$3391 \div 29 = 116 \text{ remainder } 27$$

116

29 | 3391

29

--

49

29

--

201

174

27 ← remainder

$$3391 \div 31 = 109 \text{ remainder } 12$$

109

31 | 3391

31

--

29

0

-

291

279

12 ← remainder

$$3391 \div 37 = 91 \text{ remainder } 24$$

91

37 | 3391

333

61

37

--

24 ← remainder

$$3391 \div 41 = 82 \text{ remainder } 29$$

$$\begin{array}{r}
 82 \\
 41 \overline{) 3391} \\
 \underline{328} \\
 111 \\
 \underline{82} \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$3391 \div 43 = 78 \text{ remainder } 37$$

$$\begin{array}{r}
 78 \\
 43 \overline{) 3391} \\
 \underline{301} \\
 381 \\
 \underline{344} \\
 37 \leftarrow \text{remainder}
 \end{array}$$

$$3391 \div 47 = 72 \text{ remainder } 7$$

$$\begin{array}{r}
 72 \\
 47 \overline{) 3391} \\
 \underline{329} \\
 101 \\
 \underline{94} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$3391 \div 53 = 63 \text{ remainder } 52$$

$$\begin{array}{r}
 63 \\
 53 \overline{) 3391} \\
 \underline{318} \\
 211 \\
 \underline{159} \\
 52 \leftarrow \text{remainder}
 \end{array}$$

P₄₇₉ 3407

$$3407 \div 2 = 1703 \text{ remainder } 1$$

$$\begin{array}{r} 1703 \\ 2 \overline{) 3407} \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3407 \div 3 = 1135 \text{ remainder } 2$$

$$\begin{array}{r} 1135 \\ 3 \overline{) 3407} \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3407 \div 5 = 681 \text{ remainder } 2$$

$$\begin{array}{r} 681 \\ 5 \overline{) 3407} \\ \underline{30} \\ - - \end{array}$$


```

40
40
--
7
5
-
2 ← remainder

```

$$3407 \div 7 = 486 \text{ remainder } 5$$

```

      486
7 | 3407
   28
   --
   60
   56
   --
   47
   42
   --
   5 ← remainder

```

$$3407 \div 11 = 309 \text{ remainder } 8$$

```

      309
11 | 3407
   33
   --
   10
   0
   -
   107
   99
   --
   8 ← remainder

```

$$3407 \div 13 = 262 \text{ remainder } 1$$

```

      262
13 | 3407
   26
   --
   80
   78

```

```

--
27
26
--
1 ← remainder

```

$$3407 \div 17 = 200 \text{ remainder } 7$$

```

      200
17 | 3407
    34
    --
     0
     0
     -
     7
     0
     -
     7 ← remainder

```

$$3407 \div 19 = 179 \text{ remainder } 6$$

```

      179
19 | 3407
    19
    --
   150
   133
   ---
   177
   171
   ---
    6 ← remainder

```

$$3407 \div 23 = 148 \text{ remainder } 3$$

```

      148
23 | 3407
    23
    --
   110
    92
    --
   187

```

184

3 ← remainder

$$3407 \div 29 = 117 \text{ remainder } 14$$

117

29 | 3407

29

--

50

29

--

217

203

14 ← remainder

$$3407 \div 31 = 109 \text{ remainder } 28$$

109

31 | 3407

31

--

30

0

-

307

279

28 ← remainder

$$3407 \div 37 = 92 \text{ remainder } 3$$

92

37 | 3407

333

77

74

--

3 ← remainder

$$3407 \div 41 = 83 \text{ remainder } 4$$

$$\begin{array}{r}
 83 \\
 41 \overline{) 3407} \\
 \underline{328} \\
 127 \\
 \underline{123} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$3407 \div 43 = 79 \text{ remainder } 10$$

$$\begin{array}{r}
 79 \\
 43 \overline{) 3407} \\
 \underline{301} \\
 397 \\
 \underline{387} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$3407 \div 47 = 72 \text{ remainder } 23$$

$$\begin{array}{r}
 72 \\
 47 \overline{) 3407} \\
 \underline{329} \\
 117 \\
 \underline{94} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$3407 \div 53 = 64 \text{ remainder } 15$$

$$\begin{array}{r}
 64 \\
 53 \overline{) 3407} \\
 \underline{318} \\
 227 \\
 \underline{212} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₀ 3413

$$3413 \div 2 = 1706 \text{ remainder } 1$$

$$\begin{array}{r} 1706 \\ 2 \mid 3413 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ -- \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3413 \div 3 = 1137 \text{ remainder } 2$$

$$\begin{array}{r} 1137 \\ 3 \mid 3413 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3413 \div 5 = 682 \text{ remainder } 3$$

$$\begin{array}{r} 682 \\ 5 \mid 3413 \\ \underline{30} \\ -- \end{array}$$

```

41
40
--
13
10
--
3 ← remainder

```

$$3413 \div 7 = 487 \text{ remainder } 4$$

```

      487
7 | 3413
   28
   --
   61
   56
   --
   53
   49
   --
   4 ← remainder

```

$$3413 \div 11 = 310 \text{ remainder } 3$$

```

      310
11 | 3413
   33
   --
   11
   11
   --
    3
    0
    -
    3 ← remainder

```

$$3413 \div 13 = 262 \text{ remainder } 7$$

```

      262
13 | 3413
   26
   --
   81
   78

```

```

--
33
26
--
7 ← remainder

```

$$3413 \div 17 = 200 \text{ remainder } 13$$

```

      200
17 | 3413
    34
    --
     1
     0
     -
     13
     0
     -
     13 ← remainder

```

$$3413 \div 19 = 179 \text{ remainder } 12$$

```

      179
19 | 3413
    19
    --
   151
   133
   ---
   183
   171
   ---
   12 ← remainder

```

$$3413 \div 23 = 148 \text{ remainder } 9$$

```

      148
23 | 3413
    23
    --
   111
    92
    --
   193

```

184

 9 ← remainder

$$3413 \div 29 = 117 \text{ remainder } 20$$

117
 29 | 3413
 29
 --
 51
 29
 --
 223
 203

 20 ← remainder

$$3413 \div 31 = 110 \text{ remainder } 3$$

110
 31 | 3413
 31
 --
 31
 31
 --
 3
 0
 -
 3 ← remainder

$$3413 \div 37 = 92 \text{ remainder } 9$$

92
 37 | 3413
 333

 83
 74
 --
 9 ← remainder

$$3413 \div 41 = 83 \text{ remainder } 10$$

$$\begin{array}{r}
 83 \\
 41 \overline{) 3413} \\
 \underline{328} \\
 133 \\
 \underline{123} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$3413 \div 43 = 79 \text{ remainder } 16$$

$$\begin{array}{r}
 79 \\
 43 \overline{) 3413} \\
 \underline{301} \\
 403 \\
 \underline{387} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$3413 \div 47 = 72 \text{ remainder } 29$$

$$\begin{array}{r}
 72 \\
 47 \overline{) 3413} \\
 \underline{329} \\
 123 \\
 \underline{94} \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$3413 \div 53 = 64 \text{ remainder } 21$$

$$\begin{array}{r}
 64 \\
 53 \overline{) 3413} \\
 \underline{318} \\
 233 \\
 \underline{212} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₁ 3433

$$3433 \div 2 = 1716 \text{ remainder } 1$$

$$\begin{array}{r} 1716 \\ 2 \mid 3433 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3433 \div 3 = 1144 \text{ remainder } 1$$

$$\begin{array}{r} 1144 \\ 3 \mid 3433 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3433 \div 5 = 686 \text{ remainder } 3$$

$$\begin{array}{r} 686 \\ 5 \mid 3433 \\ \underline{30} \\ -- \end{array}$$

```

43
40
--
33
30
--
3 ← remainder

```

$$3433 \div 7 = 490 \text{ remainder } 3$$

```

    490
7 | 3433
   28
   --
   63
   63
   --
    3
    0
    -
    3 ← remainder

```

$$3433 \div 11 = 312 \text{ remainder } 1$$

```

    312
11 | 3433
   33
   --
   13
   11
   --
   23
   22
   --
    1 ← remainder

```

$$3433 \div 13 = 264 \text{ remainder } 1$$

```

    264
13 | 3433
   26
   --
   83
   78

```

```

--
53
52
--
1 ← remainder

```

$$3433 \div 17 = 201 \text{ remainder } 16$$

```

      201
17 | 3433
    34
    --
     3
     0
     -
    33
    17
    --
    16 ← remainder

```

$$3433 \div 19 = 180 \text{ remainder } 13$$

```

      180
19 | 3433
    19
    --
   153
   152
   ---
    13
    0
    -
    13 ← remainder

```

$$3433 \div 23 = 149 \text{ remainder } 6$$

```

      149
23 | 3433
    23
    --
   113
    92
    --
   213

```

207

6 ← remainder

$$3433 \div 29 = 118 \text{ remainder } 11$$

118

29 | 3433

29

--

53

29

--

243

232

11 ← remainder

$$3433 \div 31 = 110 \text{ remainder } 23$$

110

31 | 3433

31

--

33

31

--

23

0

-

23 ← remainder

$$3433 \div 37 = 92 \text{ remainder } 29$$

92

37 | 3433

333

103

74

--

29 ← remainder

$$3433 \div 41 = 83 \text{ remainder } 30$$

$$\begin{array}{r}
 83 \\
 41 \overline{) 3433} \\
 \underline{328} \\
 153 \\
 \underline{123} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$3433 \div 43 = 79 \text{ remainder } 36$$

$$\begin{array}{r}
 79 \\
 43 \overline{) 3433} \\
 \underline{301} \\
 423 \\
 \underline{387} \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$3433 \div 47 = 73 \text{ remainder } 2$$

$$\begin{array}{r}
 73 \\
 47 \overline{) 3433} \\
 \underline{329} \\
 143 \\
 \underline{141} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$3433 \div 53 = 64 \text{ remainder } 41$$

$$\begin{array}{r}
 64 \\
 53 \overline{) 3433} \\
 \underline{318} \\
 253 \\
 \underline{212} \\
 41 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₂ 3449

$$3449 \div 2 = 1724 \text{ remainder } 1$$

$$\begin{array}{r} 1724 \\ 2 \mid 3449 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ -- \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3449 \div 3 = 1149 \text{ remainder } 2$$

$$\begin{array}{r} 1149 \\ 3 \mid 3449 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3449 \div 5 = 689 \text{ remainder } 4$$

$$\begin{array}{r} 689 \\ 5 \mid 3449 \\ \underline{30} \\ -- \end{array}$$

44
 40
 --
 49
 45
 --
 4 ← remainder

$$3449 \div 7 = 492 \text{ remainder } 5$$

492
 7 | 3449
 28
 --
 64
 63
 --
 19
 14
 --
 5 ← remainder

$$3449 \div 11 = 313 \text{ remainder } 6$$

313
 11 | 3449
 33
 --
 14
 11
 --
 39
 33
 --
 6 ← remainder

$$3449 \div 13 = 265 \text{ remainder } 4$$

265
 13 | 3449
 26
 --
 84
 78


```

--
69
65
--
4 ← remainder

```

$$3449 \div 17 = 202 \text{ remainder } 15$$

```

      202
17 | 3449
    34
    --
     4
     0
     -
     49
     34
     --
     15 ← remainder

```

$$3449 \div 19 = 181 \text{ remainder } 10$$

```

      181
19 | 3449
    19
    --
    154
    152
    ---
     29
     19
     --
     10 ← remainder

```

$$3449 \div 23 = 149 \text{ remainder } 22$$

```

      149
23 | 3449
    23
    --
    114
    92
    --
    229

```

207

22 ← remainder

$$3449 \div 29 = 118 \text{ remainder } 27$$

118

29 | 3449

29

--

54

29

--

259

232

27 ← remainder

$$3449 \div 31 = 111 \text{ remainder } 8$$

111

31 | 3449

31

--

34

31

--

39

31

--

8 ← remainder

$$3449 \div 37 = 93 \text{ remainder } 8$$

93

37 | 3449

333

119

111

8 ← remainder

$$3449 \div 41 = 84 \text{ remainder } 5$$

$$\begin{array}{r}
 84 \\
 41 \overline{) 3449} \\
 \underline{328} \\
 169 \\
 \underline{164} \\
 5 \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3449 \div 43 = 80 \text{ remainder } 9$$

$$\begin{array}{r}
 80 \\
 43 \overline{) 3449} \\
 \underline{344} \\
 9 \\
 0 \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$3449 \div 47 = 73 \text{ remainder } 18$$

$$\begin{array}{r}
 73 \\
 47 \overline{) 3449} \\
 \underline{329} \\
 159 \\
 \underline{141} \\
 18 \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$3449 \div 53 = 65 \text{ remainder } 4$$

$$\begin{array}{r}
 65 \\
 53 \overline{) 3449} \\
 \underline{318} \\
 269 \\
 \underline{265} \\
 4 \\
 4 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₃ 3457

$$3457 \div 2 = 1728 \text{ remainder } 1$$

$$\begin{array}{r} 1728 \\ 2 \mid 3457 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3457 \div 3 = 1152 \text{ remainder } 1$$

$$\begin{array}{r} 1152 \\ 3 \mid 3457 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 15 \\ \underline{15} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3457 \div 5 = 691 \text{ remainder } 2$$

$$\begin{array}{r} 691 \\ 5 \mid 3457 \\ \underline{30} \\ - - \end{array}$$

```

45
45
--
7
5
-
2 ← remainder

```

$$3457 \div 7 = 493 \text{ remainder } 6$$

```

493
7 | 3457
28
--
65
63
--
27
21
--
6 ← remainder

```

$$3457 \div 11 = 314 \text{ remainder } 3$$

```

314
11 | 3457
33
--
15
11
--
47
44
--
3 ← remainder

```

$$3457 \div 13 = 265 \text{ remainder } 12$$

```

265
13 | 3457
26
--
85
78

```

```

--
77
65
--
12 ← remainder

```

$$3457 \div 17 = 203 \text{ remainder } 6$$

```

      203
17 | 3457
    34
    --
     5
     0
     -
     57
     51
     --
      6 ← remainder

```

$$3457 \div 19 = 181 \text{ remainder } 18$$

```

      181
19 | 3457
    19
    --
    155
    152
    ---
     37
     19
     --
     18 ← remainder

```

$$3457 \div 23 = 150 \text{ remainder } 7$$

```

      150
23 | 3457
    23
    --
    115
    115
    ---
     7

```

0
-
7 ← remainder

$$3457 \div 29 = 119 \text{ remainder } 6$$

119
29 | 3457
29
--
55
29
--
267
261

6 ← remainder

$$3457 \div 31 = 111 \text{ remainder } 16$$

111
31 | 3457
31
--
35
31
--
47
31
--
16 ← remainder

$$3457 \div 37 = 93 \text{ remainder } 16$$

93
37 | 3457
333

127
111

16 ← remainder

$$3457 \div 41 = 84 \text{ remainder } 13$$

$$\begin{array}{r}
 84 \\
 41 \mid 3457 \\
 \underline{328} \\
 --- \\
 177 \\
 \underline{164} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$3457 \div 43 = 80 \text{ remainder } 17$$

$$\begin{array}{r}
 80 \\
 43 \mid 3457 \\
 \underline{344} \\
 --- \\
 17 \\
 \underline{0} \\
 - \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$3457 \div 47 = 73 \text{ remainder } 26$$

$$\begin{array}{r}
 73 \\
 47 \mid 3457 \\
 \underline{329} \\
 --- \\
 167 \\
 \underline{141} \\
 --- \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$3457 \div 53 = 65 \text{ remainder } 12$$

$$\begin{array}{r}
 65 \\
 53 \mid 3457 \\
 \underline{318} \\
 --- \\
 277 \\
 \underline{265} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₄ 3461

$$3461 \div 2 = 1730 \text{ remainder } 1$$

$$\begin{array}{r} 1730 \\ 2 \mid 3461 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3461 \div 3 = 1153 \text{ remainder } 2$$

$$\begin{array}{r} 1153 \\ 3 \mid 3461 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3461 \div 5 = 692 \text{ remainder } 1$$

$$\begin{array}{r} 692 \\ 5 \mid 3461 \\ \underline{30} \\ - - \end{array}$$

46
 45
 --
 11
 10
 --
 1 ← remainder

$$3461 \div 7 = 494 \text{ remainder } 3$$

494
 7 | 3461
 28
 --
 66
 63
 --
 31
 28
 --
 3 ← remainder

$$3461 \div 11 = 314 \text{ remainder } 7$$

314
 11 | 3461
 33
 --
 16
 11
 --
 51
 44
 --
 7 ← remainder

$$3461 \div 13 = 266 \text{ remainder } 3$$

266
 13 | 3461
 26
 --
 86
 78

```

--
81
78
--
3 ← remainder

```

$$3461 \div 17 = 203 \text{ remainder } 10$$

```

      203
17 | 3461
    34
    --
     6
     0
     -
    61
    51
    --
    10 ← remainder

```

$$3461 \div 19 = 182 \text{ remainder } 3$$

```

      182
19 | 3461
    19
    --
   156
   152
   ---
    41
    38
    --
     3 ← remainder

```

$$3461 \div 23 = 150 \text{ remainder } 11$$

```

      150
23 | 3461
    23
    --
   116
   115
   ---
    11

```

0
-
11 ← remainder

$$3461 \div 29 = 119 \text{ remainder } 10$$

119
29 | 3461
29
--
56
29
--
271
261

10 ← remainder

$$3461 \div 31 = 111 \text{ remainder } 20$$

111
31 | 3461
31
--
36
31
--
51
31
--
20 ← remainder

$$3461 \div 37 = 93 \text{ remainder } 20$$

93
37 | 3461
333

131
111

20 ← remainder

$$3461 \div 41 = 84 \text{ remainder } 17$$

$$\begin{array}{r}
 84 \\
 41 \overline{) 3461} \\
 \underline{328} \\
 181 \\
 \underline{164} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$3461 \div 43 = 80 \text{ remainder } 21$$

$$\begin{array}{r}
 80 \\
 43 \overline{) 3461} \\
 \underline{344} \\
 21 \\
 \underline{0} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$3461 \div 47 = 73 \text{ remainder } 30$$

$$\begin{array}{r}
 73 \\
 47 \overline{) 3461} \\
 \underline{329} \\
 171 \\
 \underline{141} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$3461 \div 53 = 65 \text{ remainder } 16$$

$$\begin{array}{r}
 65 \\
 53 \overline{) 3461} \\
 \underline{318} \\
 281 \\
 \underline{265} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₅ 3463

$$3463 \div 2 = 1731 \text{ remainder } 1$$

$$\begin{array}{r} 1731 \\ 2 \mid 3463 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ -- \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3463 \div 3 = 1154 \text{ remainder } 1$$

$$\begin{array}{r} 1154 \\ 3 \mid 3463 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3463 \div 5 = 692 \text{ remainder } 3$$

$$\begin{array}{r} 692 \\ 5 \mid 3463 \\ \underline{30} \\ -- \end{array}$$

```

46
45
--
13
10
--
3 ← remainder

```

$$3463 \div 7 = 494 \text{ remainder } 5$$

```

    494
7 | 3463
   28
   --
   66
   63
   --
   33
   28
   --
   5 ← remainder

```

$$3463 \div 11 = 314 \text{ remainder } 9$$

```

    314
11 | 3463
   33
   --
   16
   11
   --
   53
   44
   --
   9 ← remainder

```

$$3463 \div 13 = 266 \text{ remainder } 5$$

```

    266
13 | 3463
   26
   --
   86
   78

```

```

--
83
78
--
5 ← remainder

```

$$3463 \div 17 = 203 \text{ remainder } 12$$

```

      203
17 | 3463
    34
    --
     6
     0
     -
    63
    51
    --
    12 ← remainder

```

$$3463 \div 19 = 182 \text{ remainder } 5$$

```

      182
19 | 3463
    19
    --
   156
   152
   ---
    43
    38
    --
     5 ← remainder

```

$$3463 \div 23 = 150 \text{ remainder } 13$$

```

      150
23 | 3463
    23
    --
   116
   115
   ---
    13

```


0
-
13 ← remainder

$$3463 \div 29 = 119 \text{ remainder } 12$$

119
29 | 3463
29
--
56
29
--
273
261

12 ← remainder

$$3463 \div 31 = 111 \text{ remainder } 22$$

111
31 | 3463
31
--
36
31
--
53
31
--
22 ← remainder

$$3463 \div 37 = 93 \text{ remainder } 22$$

93
37 | 3463
333

133
111

22 ← remainder

$$3463 \div 41 = 84 \text{ remainder } 19$$

$$\begin{array}{r}
 84 \\
 41 \overline{) 3463} \\
 \underline{328} \\
 183 \\
 \underline{164} \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$3463 \div 43 = 80 \text{ remainder } 23$$

$$\begin{array}{r}
 80 \\
 43 \overline{) 3463} \\
 \underline{344} \\
 23 \\
 \underline{0} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$3463 \div 47 = 73 \text{ remainder } 32$$

$$\begin{array}{r}
 73 \\
 47 \overline{) 3463} \\
 \underline{329} \\
 173 \\
 \underline{141} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$3463 \div 53 = 65 \text{ remainder } 18$$

$$\begin{array}{r}
 65 \\
 53 \overline{) 3463} \\
 \underline{318} \\
 283 \\
 \underline{265} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₆ 3467

$$3467 \div 2 = 1733 \text{ remainder } 1$$

$$\begin{array}{r} 1733 \\ 2 \overline{) 3467} \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ -- \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3467 \div 3 = 1155 \text{ remainder } 2$$

$$\begin{array}{r} 1155 \\ 3 \overline{) 3467} \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3467 \div 5 = 693 \text{ remainder } 2$$

$$\begin{array}{r} 693 \\ 5 \overline{) 3467} \\ \underline{30} \\ -- \end{array}$$

46
 45
 --
 17
 15
 --
 2 ← remainder

$$3467 \div 7 = 495 \text{ remainder } 2$$

495
 7 | 3467
 28
 --
 66
 63
 --
 37
 35
 --
 2 ← remainder

$$3467 \div 11 = 315 \text{ remainder } 2$$

315
 11 | 3467
 33
 --
 16
 11
 --
 57
 55
 --
 2 ← remainder

$$3467 \div 13 = 266 \text{ remainder } 9$$

266
 13 | 3467
 26
 --
 86
 78

```

--
87
78
--
9 ← remainder

```

$$3467 \div 17 = 203 \text{ remainder } 16$$

```

      203
17 | 3467
    34
    --
     6
     0
     -
    67
    51
    --
    16 ← remainder

```

$$3467 \div 19 = 182 \text{ remainder } 9$$

```

      182
19 | 3467
    19
    --
   156
   152
   ---
    47
    38
    --
     9 ← remainder

```

$$3467 \div 23 = 150 \text{ remainder } 17$$

```

      150
23 | 3467
    23
    --
   116
   115
   ---
    17

```

0
-
17 ← remainder

$$3467 \div 29 = 119 \text{ remainder } 16$$

119
29 | 3467
29
--
56
29
--
277
261

16 ← remainder

$$3467 \div 31 = 111 \text{ remainder } 26$$

111
31 | 3467
31
--
36
31
--
57
31
--
26 ← remainder

$$3467 \div 37 = 93 \text{ remainder } 26$$

93
37 | 3467
333

137
111

26 ← remainder

$$3467 \div 41 = 84 \text{ remainder } 23$$

$$\begin{array}{r}
 84 \\
 41 \overline{) 3467} \\
 \underline{328} \\
 187 \\
 \underline{164} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$3467 \div 43 = 80 \text{ remainder } 27$$

$$\begin{array}{r}
 80 \\
 43 \overline{) 3467} \\
 \underline{344} \\
 27 \\
 \underline{0} \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$3467 \div 47 = 73 \text{ remainder } 36$$

$$\begin{array}{r}
 73 \\
 47 \overline{) 3467} \\
 \underline{329} \\
 177 \\
 \underline{141} \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$3467 \div 53 = 65 \text{ remainder } 22$$

$$\begin{array}{r}
 65 \\
 53 \overline{) 3467} \\
 \underline{318} \\
 287 \\
 \underline{265} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₇ 3469

$$3469 \div 2 = 1734 \text{ remainder } 1$$

$$\begin{array}{r} 1734 \\ 2 \overline{) 3469} \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3469 \div 3 = 1156 \text{ remainder } 1$$

$$\begin{array}{r} 1156 \\ 3 \overline{) 3469} \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3469 \div 5 = 693 \text{ remainder } 4$$

$$\begin{array}{r} 693 \\ 5 \overline{) 3469} \\ \underline{30} \\ - - \end{array}$$

46
 45
 --
 19
 15
 --
 4 ← remainder

$$3469 \div 7 = 495 \text{ remainder } 4$$

495
 7 | 3469
 28
 --
 66
 63
 --
 39
 35
 --
 4 ← remainder

$$3469 \div 11 = 315 \text{ remainder } 4$$

315
 11 | 3469
 33
 --
 16
 11
 --
 59
 55
 --
 4 ← remainder

$$3469 \div 13 = 266 \text{ remainder } 11$$

266
 13 | 3469
 26
 --
 86
 78

```

--
89
78
--
11 ← remainder

```

$$3469 \div 17 = 204 \text{ remainder } 1$$

```

      204
17 | 3469
    34
    --
     6
     0
     -
    69
    68
    --
     1 ← remainder

```

$$3469 \div 19 = 182 \text{ remainder } 11$$

```

      182
19 | 3469
    19
    --
   156
   152
   ---
    49
    38
    --
    11 ← remainder

```

$$3469 \div 23 = 150 \text{ remainder } 19$$

```

      150
23 | 3469
    23
    --
   116
   115
   ---
    19

```

0
-
19 ← remainder

$$3469 \div 29 = 119 \text{ remainder } 18$$

119
29 | 3469
29
--
56
29
--
279
261

18 ← remainder

$$3469 \div 31 = 111 \text{ remainder } 28$$

111
31 | 3469
31
--
36
31
--
59
31
--
28 ← remainder

$$3469 \div 37 = 93 \text{ remainder } 28$$

93
37 | 3469
333

139
111

28 ← remainder

$$3469 \div 41 = 84 \text{ remainder } 25$$

$$\begin{array}{r}
 84 \\
 41 \mid 3469 \\
 \underline{328} \\
 --- \\
 189 \\
 \underline{164} \\
 --- \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$3469 \div 43 = 80 \text{ remainder } 29$$

$$\begin{array}{r}
 80 \\
 43 \mid 3469 \\
 \underline{344} \\
 --- \\
 29 \\
 \underline{0} \\
 - \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$3469 \div 47 = 73 \text{ remainder } 38$$

$$\begin{array}{r}
 73 \\
 47 \mid 3469 \\
 \underline{329} \\
 --- \\
 179 \\
 \underline{141} \\
 --- \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$3469 \div 53 = 65 \text{ remainder } 24$$

$$\begin{array}{r}
 65 \\
 53 \mid 3469 \\
 \underline{318} \\
 --- \\
 289 \\
 \underline{265} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

P₄₈₈ 3491

$$3491 \div 2 = 1745 \text{ remainder } 1$$

$$\begin{array}{r} 1745 \\ 2 \mid 3491 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ -- \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3491 \div 3 = 1163 \text{ remainder } 2$$

$$\begin{array}{r} 1163 \\ 3 \mid 3491 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3491 \div 5 = 698 \text{ remainder } 1$$

$$\begin{array}{r} 698 \\ 5 \mid 3491 \\ \underline{30} \\ -- \end{array}$$

49
 45
 --
 41
 40
 --
 1 ← remainder

$$3491 \div 7 = 498 \text{ remainder } 5$$

498
 7 | 3491
 28
 --
 69
 63
 --
 61
 56
 --
 5 ← remainder

$$3491 \div 11 = 317 \text{ remainder } 4$$

317
 11 | 3491
 33
 --
 19
 11
 --
 81
 77
 --
 4 ← remainder

$$3491 \div 13 = 268 \text{ remainder } 7$$

268
 13 | 3491
 26
 --
 89
 78

```

--
111
104
---
7 ← remainder

```

$$3491 \div 17 = 205 \text{ remainder } 6$$

```

205
17 | 3491
   34
   --
    9
    0
    -
   91
   85
   --
    6 ← remainder

```

$$3491 \div 19 = 183 \text{ remainder } 14$$

```

183
19 | 3491
   19
   --
  159
  152
  ---
   71
   57
   --
   14 ← remainder

```

$$3491 \div 23 = 151 \text{ remainder } 18$$

```

151
23 | 3491
   23
   --
  119
  115
  ---
   41

```

23

--

18 ← remainder

$$3491 \div 29 = 120 \text{ remainder } 11$$

120
29 | 3491
29

--

59

58

--

11

0

-

11 ← remainder

$$3491 \div 31 = 112 \text{ remainder } 19$$

112
31 | 3491
31

--

39

31

--

81

62

--

19 ← remainder

$$3491 \div 37 = 94 \text{ remainder } 13$$

94
37 | 3491
333

161

148

13 ← remainder

$$3491 \div 41 = 85 \text{ remainder } 6$$

$$\begin{array}{r}
 85 \\
 41 \overline{) 3491} \\
 \underline{328} \\
 211 \\
 \underline{205} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$3491 \div 43 = 81 \text{ remainder } 8$$

$$\begin{array}{r}
 81 \\
 43 \overline{) 3491} \\
 \underline{344} \\
 51 \\
 \underline{43} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$3491 \div 47 = 74 \text{ remainder } 13$$

$$\begin{array}{r}
 74 \\
 47 \overline{) 3491} \\
 \underline{329} \\
 201 \\
 \underline{188} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$3491 \div 53 = 65 \text{ remainder } 46$$

$$\begin{array}{r}
 65 \\
 53 \overline{) 3491} \\
 \underline{318} \\
 311 \\
 \underline{265} \\
 46 \leftarrow \text{remainder}
 \end{array}$$

$$3491 \div 59 = 59 \text{ remainder } 10$$

```
      59
59 | 3491
    295
    ---
    541
    531
    ---
    10 ← remainder
```

P₄₈₉ 3499

$$3499 \div 2 = 1749 \text{ remainder } 1$$

$$\begin{array}{r} 1749 \\ 2 \mid 3499 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ -- \\ 9 \\ \underline{8} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3499 \div 3 = 1166 \text{ remainder } 1$$

$$\begin{array}{r} 1166 \\ 3 \mid 3499 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3499 \div 5 = 699 \text{ remainder } 4$$

$$\begin{array}{r} 699 \\ 5 \mid 3499 \\ \underline{30} \\ -- \end{array}$$

```

49
45
--
49
45
--
4 ← remainder

```

$$3499 \div 7 = 499 \text{ remainder } 6$$

```

    499
7 | 3499
   28
   --
   69
   63
   --
   69
   63
   --
   6 ← remainder

```

$$3499 \div 11 = 318 \text{ remainder } 1$$

```

    318
11 | 3499
   33
   --
   19
   11
   --
   89
   88
   --
   1 ← remainder

```

$$3499 \div 13 = 269 \text{ remainder } 2$$

```

    269
13 | 3499
   26
   --
   89
   78

```

```

--
119
117
---
2 ← remainder

```

$$3499 \div 17 = 205 \text{ remainder } 14$$

```

      205
17 | 3499
    34
    --
     9
     0
     -
    99
    85
    --
    14 ← remainder

```

$$3499 \div 19 = 184 \text{ remainder } 3$$

```

      184
19 | 3499
    19
    --
   159
   152
   ---
    79
    76
    --
     3 ← remainder

```

$$3499 \div 23 = 152 \text{ remainder } 3$$

```

      152
23 | 3499
    23
    --
   119
   115
   ---
    49

```

46
 --
 3 ← remainder

$$3499 \div 29 = 120 \text{ remainder } 19$$

120
 29 | 3499
 29
 --
 59
 58
 --
 19
 0
 -
 19 ← remainder

$$3499 \div 31 = 112 \text{ remainder } 27$$

112
 31 | 3499
 31
 --
 39
 31
 --
 89
 62
 --
 27 ← remainder

$$3499 \div 37 = 94 \text{ remainder } 21$$

94
 37 | 3499
 333

 169
 148

 21 ← remainder

$$3499 \div 41 = 85 \text{ remainder } 14$$

$$\begin{array}{r}
 85 \\
 41 \mid 3499 \\
 \underline{328} \\
 --- \\
 219 \\
 \underline{205} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$3499 \div 43 = 81 \text{ remainder } 16$$

$$\begin{array}{r}
 81 \\
 43 \mid 3499 \\
 \underline{344} \\
 --- \\
 59 \\
 \underline{43} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$3499 \div 47 = 74 \text{ remainder } 21$$

$$\begin{array}{r}
 74 \\
 47 \mid 3499 \\
 \underline{329} \\
 --- \\
 209 \\
 \underline{188} \\
 --- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$3499 \div 53 = 66 \text{ remainder } 1$$

$$\begin{array}{r}
 66 \\
 53 \mid 3499 \\
 \underline{318} \\
 --- \\
 319 \\
 \underline{318} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$3499 \div 59 = 59 \text{ remainder } 18$$

```
      59
59 | 3499
    295
    ---
    549
    531
    ---
    18 ← remainder
```


P₄₉₀ 3511

$$3511 \div 2 = 1755 \text{ remainder } 1$$

$$\begin{array}{r} 1755 \\ 2 \mid 3511 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3511 \div 3 = 1170 \text{ remainder } 1$$

$$\begin{array}{r} 1170 \\ 3 \mid 3511 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 21 \\ \underline{21} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3511 \div 5 = 702 \text{ remainder } 1$$

$$\begin{array}{r} 702 \\ 5 \mid 3511 \\ \underline{35} \\ - - \end{array}$$

```

1
0
-
11
10
--
1 ← remainder

```

$$3511 \div 7 = 501 \text{ remainder } 4$$

```

    501
7 | 3511
   35
   --
    1
    0
    -
    11
    7
    -
    4 ← remainder

```

$$3511 \div 11 = 319 \text{ remainder } 2$$

```

    319
11 | 3511
   33
   --
    21
    11
    --
    101
    99
    --
    2 ← remainder

```

$$3511 \div 13 = 270 \text{ remainder } 1$$

```

    270
13 | 3511
   26
   --
    91
    91
    --
    1

```

```

--
1
0
-
1 ← remainder

```

$$3511 \div 17 = 206 \text{ remainder } 9$$

```

      206
17 | 3511
    34
    --
    11
    0
    -
    111
    102
    ---
    9 ← remainder

```

$$3511 \div 19 = 184 \text{ remainder } 15$$

```

      184
19 | 3511
    19
    --
    161
    152
    ---
    91
    76
    --
    15 ← remainder

```

$$3511 \div 23 = 152 \text{ remainder } 15$$

```

      152
23 | 3511
    23
    --
    121
    115
    ---
    61

```

46

--

15 ← remainder

$$3511 \div 29 = 121 \text{ remainder } 2$$

```
      121
29 | 3511
    29
    --
    61
    58
    --
    31
    29
    --
    2 ← remainder
```

$$3511 \div 31 = 113 \text{ remainder } 8$$

```
      113
31 | 3511
    31
    --
    41
    31
    --
    101
    93
    --
    8 ← remainder
```

$$3511 \div 37 = 94 \text{ remainder } 33$$

```
      94
37 | 3511
    333
    ---
    181
    148
    ---
    33 ← remainder
```

$$3511 \div 41 = 85 \text{ remainder } 26$$

$$\begin{array}{r}
 85 \\
 41 \overline{) 3511} \\
 \underline{328} \\
 231 \\
 \underline{205} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$3511 \div 43 = 81 \text{ remainder } 28$$

$$\begin{array}{r}
 81 \\
 43 \overline{) 3511} \\
 \underline{344} \\
 71 \\
 \underline{43} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$3511 \div 47 = 74 \text{ remainder } 33$$

$$\begin{array}{r}
 74 \\
 47 \overline{) 3511} \\
 \underline{329} \\
 221 \\
 \underline{188} \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$3511 \div 53 = 66 \text{ remainder } 13$$

$$\begin{array}{r}
 66 \\
 53 \overline{) 3511} \\
 \underline{318} \\
 331 \\
 \underline{318} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$3511 \div 59 = 59 \text{ remainder } 30$$

```
59
59 | 3511
   295
   ---
   561
   531
   ---
   30 ← remainder
```

P₄₉₁ 3517

$$3517 \div 2 = 1758 \text{ remainder } 1$$

$$\begin{array}{r} 1758 \\ 2 \mid 3517 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3517 \div 3 = 1172 \text{ remainder } 1$$

$$\begin{array}{r} 1172 \\ 3 \mid 3517 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 21 \\ \underline{21} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3517 \div 5 = 703 \text{ remainder } 2$$

$$\begin{array}{r} 703 \\ 5 \mid 3517 \\ \underline{35} \\ - - \end{array}$$

```

1
0
-
17
15
--
2 ← remainder

```

$$3517 \div 7 = 502 \text{ remainder } 3$$

```

    502
7 | 3517
   35
   --
    1
    0
    -
    17
    14
    --
    3 ← remainder

```

$$3517 \div 11 = 319 \text{ remainder } 8$$

```

    319
11 | 3517
   33
   --
    21
    11
    --
    107
    99
    --
    8 ← remainder

```

$$3517 \div 13 = 270 \text{ remainder } 7$$

```

    270
13 | 3517
   26
   --
    91
    91
    --
    0

```



```

--
7
0
-
7 ← remainder

```

$$3517 \div 17 = 206 \text{ remainder } 15$$

```

      206
17 | 3517
    34
    --
    11
    0
    -
    117
    102
    ---
    15 ← remainder

```

$$3517 \div 19 = 185 \text{ remainder } 2$$

```

      185
19 | 3517
    19
    --
    161
    152
    ---
    97
    95
    --
    2 ← remainder

```

$$3517 \div 23 = 152 \text{ remainder } 21$$

```

      152
23 | 3517
    23
    --
    121
    115
    ---
    67

```

46

--

21 ← remainder

$$3517 \div 29 = 121 \text{ remainder } 8$$

121
29 | 3517
29

--

61

58

--

37

29

--

8 ← remainder

$$3517 \div 31 = 113 \text{ remainder } 14$$

113
31 | 3517
31

--

41

31

--

107

93

--

14 ← remainder

$$3517 \div 37 = 95 \text{ remainder } 2$$

95
37 | 3517
333

187

185

2 ← remainder

$$3517 \div 41 = 85 \text{ remainder } 32$$

$$\begin{array}{r}
 85 \\
 41 \overline{) 3517} \\
 \underline{328} \\
 --- \\
 237 \\
 \underline{205} \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$3517 \div 43 = 81 \text{ remainder } 34$$

$$\begin{array}{r}
 81 \\
 43 \overline{) 3517} \\
 \underline{344} \\
 --- \\
 77 \\
 \underline{43} \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$3517 \div 47 = 74 \text{ remainder } 39$$

$$\begin{array}{r}
 74 \\
 47 \overline{) 3517} \\
 \underline{329} \\
 --- \\
 227 \\
 \underline{188} \\
 --- \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$3517 \div 53 = 66 \text{ remainder } 19$$

$$\begin{array}{r}
 66 \\
 53 \overline{) 3517} \\
 \underline{318} \\
 --- \\
 337 \\
 \underline{318} \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$3517 \div 59 = 59 \text{ remainder } 36$$

```
      59
59 | 3517
    295
    ---
    567
    531
    ---
    36 ← remainder
```

P₄₉₂ 3527

$$3527 \div 2 = 1763 \text{ remainder } 1$$

$$\begin{array}{r} 1763 \\ 2 \overline{) 3527} \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3527 \div 3 = 1175 \text{ remainder } 2$$

$$\begin{array}{r} 1175 \\ 3 \overline{) 3527} \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 22 \\ \underline{21} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3527 \div 5 = 705 \text{ remainder } 2$$

$$\begin{array}{r} 705 \\ 5 \overline{) 3527} \\ \underline{35} \\ - - \end{array}$$

```

2
0
-
27
25
--
2 ← remainder

```

$$3527 \div 7 = 503 \text{ remainder } 6$$

```

503
7 | 3527
35
--
2
0
-
27
21
--
6 ← remainder

```

$$3527 \div 11 = 320 \text{ remainder } 7$$

```

320
11 | 3527
33
--
22
22
--
7
0
-
7 ← remainder

```

$$3527 \div 13 = 271 \text{ remainder } 4$$

```

271
13 | 3527
26
--
92
91

```

```

--
17
13
--
4 ← remainder

```

$$3527 \div 17 = 207 \text{ remainder } 8$$

```

      207
17 | 3527
    34
    --
    12
    0
    -
    127
    119
    ---
    8 ← remainder

```

$$3527 \div 19 = 185 \text{ remainder } 12$$

```

      185
19 | 3527
    19
    --
    162
    152
    ---
    107
    95
    --
    12 ← remainder

```

$$3527 \div 23 = 153 \text{ remainder } 8$$

```

      153
23 | 3527
    23
    --
    122
    115
    ---
    77

```

69
 --
 8 ← remainder

$$3527 \div 29 = 121 \text{ remainder } 18$$

121
 29 | 3527
 29
 --
 62
 58
 --
 47
 29
 --
 18 ← remainder

$$3527 \div 31 = 113 \text{ remainder } 24$$

113
 31 | 3527
 31
 --
 42
 31
 --
 117
 93
 --
 24 ← remainder

$$3527 \div 37 = 95 \text{ remainder } 12$$

95
 37 | 3527
 333

 197
 185

 12 ← remainder

$$3527 \div 41 = 86 \text{ remainder } 1$$

$$\begin{array}{r}
 86 \\
 41 \mid 3527 \\
 \underline{328} \\
 --- \\
 247 \\
 \underline{246} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$3527 \div 43 = 82 \text{ remainder } 1$$

$$\begin{array}{r}
 82 \\
 43 \mid 3527 \\
 \underline{344} \\
 --- \\
 87 \\
 \underline{86} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$3527 \div 47 = 75 \text{ remainder } 2$$

$$\begin{array}{r}
 75 \\
 47 \mid 3527 \\
 \underline{329} \\
 --- \\
 237 \\
 \underline{235} \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$3527 \div 53 = 66 \text{ remainder } 29$$

$$\begin{array}{r}
 66 \\
 53 \mid 3527 \\
 \underline{318} \\
 --- \\
 347 \\
 \underline{318} \\
 --- \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$3527 \div 59 = 59 \text{ remainder } 46$$

```
59
59 | 3527
   295
   ---
   577
   531
   ---
   46 ← remainder
```

P₄₉₃ 3529

$$3529 \div 2 = 1764 \text{ remainder } 1$$

$$\begin{array}{r} 1764 \\ 2 \mid 3529 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3529 \div 3 = 1176 \text{ remainder } 1$$

$$\begin{array}{r} 1176 \\ 3 \mid 3529 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 22 \\ \underline{21} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3529 \div 5 = 705 \text{ remainder } 4$$

$$\begin{array}{r} 705 \\ 5 \mid 3529 \\ \underline{35} \\ -- \end{array}$$

```

2
0
-
29
25
--
4 ← remainder

```

$$3529 \div 7 = 504 \text{ remainder } 1$$

```

    504
7 | 3529
   35
   --
    2
    0
    -
    29
    28
    --
    1 ← remainder

```

$$3529 \div 11 = 320 \text{ remainder } 9$$

```

    320
11 | 3529
   33
   --
    22
    22
    --
     9
     0
     -
     9 ← remainder

```

$$3529 \div 13 = 271 \text{ remainder } 6$$

```

    271
13 | 3529
   26
   --
    92
    91

```

```

--
19
13
--
6 ← remainder

```

$$3529 \div 17 = 207 \text{ remainder } 10$$

```

      207
17 | 3529
    34
    --
    12
    0
    -
    129
    119
    ---
    10 ← remainder

```

$$3529 \div 19 = 185 \text{ remainder } 14$$

```

      185
19 | 3529
    19
    --
    162
    152
    ---
    109
    95
    --
    14 ← remainder

```

$$3529 \div 23 = 153 \text{ remainder } 10$$

```

      153
23 | 3529
    23
    --
    122
    115
    ---
    79

```

69

--

10 ← remainder

$$3529 \div 29 = 121 \text{ remainder } 20$$

```
      121
29 | 3529
    29
    --
    62
    58
    --
    49
    29
    --
    20 ← remainder
```

$$3529 \div 31 = 113 \text{ remainder } 26$$

```
      113
31 | 3529
    31
    --
    42
    31
    --
    119
    93
    --
    26 ← remainder
```

$$3529 \div 37 = 95 \text{ remainder } 14$$

```
      95
37 | 3529
    333
    ---
    199
    185
    ---
    14 ← remainder
```

$$3529 \div 41 = 86 \text{ remainder } 3$$

$$\begin{array}{r}
 86 \\
 41 \mid 3529 \\
 \underline{328} \\
 --- \\
 249 \\
 \underline{246} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$3529 \div 43 = 82 \text{ remainder } 3$$

$$\begin{array}{r}
 82 \\
 43 \mid 3529 \\
 \underline{344} \\
 --- \\
 89 \\
 \underline{86} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$3529 \div 47 = 75 \text{ remainder } 4$$

$$\begin{array}{r}
 75 \\
 47 \mid 3529 \\
 \underline{329} \\
 --- \\
 239 \\
 \underline{235} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$3529 \div 53 = 66 \text{ remainder } 31$$

$$\begin{array}{r}
 66 \\
 53 \mid 3529 \\
 \underline{318} \\
 --- \\
 349 \\
 \underline{318} \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$3529 \div 59 = 59 \text{ remainder } 48$$

```
      59
59 | 3529
    295
    ---
    579
    531
    ---
    48 ← remainder
```


P₄₉₄ 3533

$$3533 \div 2 = 1766 \text{ remainder } 1$$

$$\begin{array}{r} 1766 \\ 2 \mid 3533 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3533 \div 3 = 1177 \text{ remainder } 2$$

$$\begin{array}{r} 1177 \\ 3 \mid 3533 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3533 \div 5 = 706 \text{ remainder } 3$$

$$\begin{array}{r} 706 \\ 5 \mid 3533 \\ \underline{35} \\ - - \end{array}$$

```

3
0
-
33
30
--
3 ← remainder

```

$$3533 \div 7 = 504 \text{ remainder } 5$$

```

504
7 | 3533
35
--
3
0
-
33
28
--
5 ← remainder

```

$$3533 \div 11 = 321 \text{ remainder } 2$$

```

321
11 | 3533
33
--
23
22
--
13
11
--
2 ← remainder

```

$$3533 \div 13 = 271 \text{ remainder } 10$$

```

271
13 | 3533
26
--
93
91

```

```

--
23
13
--
10 ← remainder

```

$$3533 \div 17 = 207 \text{ remainder } 14$$

```

      207
17 | 3533
    34
    --
    13
    0
    -
    133
    119
    ---
    14 ← remainder

```

$$3533 \div 19 = 185 \text{ remainder } 18$$

```

      185
19 | 3533
    19
    --
    163
    152
    ---
    113
    95
    --
    18 ← remainder

```

$$3533 \div 23 = 153 \text{ remainder } 14$$

```

      153
23 | 3533
    23
    --
    123
    115
    ---
    83

```

69

--

14 ← remainder

$$3533 \div 29 = 121 \text{ remainder } 24$$

121
29 | 3533
29

--

63

58

--

53

29

--

24 ← remainder

$$3533 \div 31 = 113 \text{ remainder } 30$$

113
31 | 3533
31

--

43

31

--

123

93

--

30 ← remainder

$$3533 \div 37 = 95 \text{ remainder } 18$$

95
37 | 3533
333

203

185

18 ← remainder

$$3533 \div 41 = 86 \text{ remainder } 7$$

$$\begin{array}{r}
 86 \\
 41 \mid 3533 \\
 \underline{328} \\
 --- \\
 253 \\
 \underline{246} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$3533 \div 43 = 82 \text{ remainder } 7$$

$$\begin{array}{r}
 82 \\
 43 \mid 3533 \\
 \underline{344} \\
 --- \\
 93 \\
 \underline{86} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$3533 \div 47 = 75 \text{ remainder } 8$$

$$\begin{array}{r}
 75 \\
 47 \mid 3533 \\
 \underline{329} \\
 --- \\
 243 \\
 \underline{235} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$3533 \div 53 = 66 \text{ remainder } 35$$

$$\begin{array}{r}
 66 \\
 53 \mid 3533 \\
 \underline{318} \\
 --- \\
 353 \\
 \underline{318} \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$3533 \div 59 = 59 \text{ remainder } 52$$

```
59
59 | 3533
   295
   ---
   583
   531
   ---
52 ← remainder
```

P₄₉₅ 3539

$$3539 \div 2 = 1769 \text{ remainder } 1$$

$$\begin{array}{r} 1769 \\ 2 \overline{) 3539} \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3539 \div 3 = 1179 \text{ remainder } 2$$

$$\begin{array}{r} 1179 \\ 3 \overline{) 3539} \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3539 \div 5 = 707 \text{ remainder } 4$$

$$\begin{array}{r} 707 \\ 5 \overline{) 3539} \\ \underline{35} \\ -- \end{array}$$

```

3
0
-
39
35
--
4 ← remainder

```

$$3539 \div 7 = 505 \text{ remainder } 4$$

```

505
7 | 3539
35
--
3
0
-
39
35
--
4 ← remainder

```

$$3539 \div 11 = 321 \text{ remainder } 8$$

```

321
11 | 3539
33
--
23
22
--
19
11
--
8 ← remainder

```

$$3539 \div 13 = 272 \text{ remainder } 3$$

```

272
13 | 3539
26
--
93
91

```



```

--
29
26
--
3 ← remainder

```

$$3539 \div 17 = 208 \text{ remainder } 3$$

```

      208
17 | 3539
    34
    --
    13
    0
    -
    139
    136
    ---
    3 ← remainder

```

$$3539 \div 19 = 186 \text{ remainder } 5$$

```

      186
19 | 3539
    19
    --
    163
    152
    ---
    119
    114
    ---
    5 ← remainder

```

$$3539 \div 23 = 153 \text{ remainder } 20$$

```

      153
23 | 3539
    23
    --
    123
    115
    ---
    89

```

69

--

20 ← remainder

$$3539 \div 29 = 122 \text{ remainder } 1$$

122
29 | 3539
29

--

63

58

--

59

58

--

1 ← remainder

$$3539 \div 31 = 114 \text{ remainder } 5$$

114
31 | 3539
31

--

43

31

--

129

124

5 ← remainder

$$3539 \div 37 = 95 \text{ remainder } 24$$

95
37 | 3539
333

209

185

24 ← remainder

$$3539 \div 41 = 86 \text{ remainder } 13$$

$$\begin{array}{r}
 86 \\
 41 \mid 3539 \\
 \underline{328} \\
 --- \\
 259 \\
 \underline{246} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$3539 \div 43 = 82 \text{ remainder } 13$$

$$\begin{array}{r}
 82 \\
 43 \mid 3539 \\
 \underline{344} \\
 --- \\
 99 \\
 \underline{86} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$3539 \div 47 = 75 \text{ remainder } 14$$

$$\begin{array}{r}
 75 \\
 47 \mid 3539 \\
 \underline{329} \\
 --- \\
 249 \\
 \underline{235} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$3539 \div 53 = 66 \text{ remainder } 41$$

$$\begin{array}{r}
 66 \\
 53 \mid 3539 \\
 \underline{318} \\
 --- \\
 359 \\
 \underline{318} \\
 --- \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$3539 \div 59 = 59 \text{ remainder } 58$$

```
59
59 | 3539
   295
   ---
   589
   531
   ---
   58 ← remainder
```

P₄₉₆ 3541

$$3541 \div 2 = 1770 \text{ remainder } 1$$

$$\begin{array}{r} 1770 \\ 2 \mid 3541 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3541 \div 3 = 1180 \text{ remainder } 1$$

$$\begin{array}{r} 1180 \\ 3 \mid 3541 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3541 \div 5 = 708 \text{ remainder } 1$$

$$\begin{array}{r} 708 \\ 5 \mid 3541 \\ \underline{35} \\ - - \end{array}$$

```

4
0
-
41
40
--
1 ← remainder

```

$$3541 \div 7 = 505 \text{ remainder } 6$$

```

      505
7 | 3541
   35
   --
    4
    0
    -
    41
    35
    --
    6 ← remainder

```

$$3541 \div 11 = 321 \text{ remainder } 10$$

```

      321
11 | 3541
   33
   --
    24
    22
    --
    21
    11
    --
    10 ← remainder

```

$$3541 \div 13 = 272 \text{ remainder } 5$$

```

      272
13 | 3541
   26
   --
    94
    91

```

```

--
31
26
--
5 ← remainder

```

$$3541 \div 17 = 208 \text{ remainder } 5$$

```

      208
17 | 3541
    34
    --
    14
    0
    -
    141
    136
    ---
    5 ← remainder

```

$$3541 \div 19 = 186 \text{ remainder } 7$$

```

      186
19 | 3541
    19
    --
    164
    152
    ---
    121
    114
    ---
    7 ← remainder

```

$$3541 \div 23 = 153 \text{ remainder } 22$$

```

      153
23 | 3541
    23
    --
    124
    115
    ---
    91

```

69

--

22 ← remainder

$$3541 \div 29 = 122 \text{ remainder } 3$$

122
29 | 3541
29

--

64

58

--

61

58

--

3 ← remainder

$$3541 \div 31 = 114 \text{ remainder } 7$$

114
31 | 3541
31

--

44

31

--

131

124

7 ← remainder

$$3541 \div 37 = 95 \text{ remainder } 26$$

95
37 | 3541
333

211

185

26 ← remainder

$$3541 \div 41 = 86 \text{ remainder } 15$$

$$\begin{array}{r}
 86 \\
 41 \overline{) 3541} \\
 \underline{328} \\
 261 \\
 \underline{246} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$3541 \div 43 = 82 \text{ remainder } 15$$

$$\begin{array}{r}
 82 \\
 43 \overline{) 3541} \\
 \underline{344} \\
 101 \\
 \underline{86} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$3541 \div 47 = 75 \text{ remainder } 16$$

$$\begin{array}{r}
 75 \\
 47 \overline{) 3541} \\
 \underline{329} \\
 251 \\
 \underline{235} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$3541 \div 53 = 66 \text{ remainder } 43$$

$$\begin{array}{r}
 66 \\
 53 \overline{) 3541} \\
 \underline{318} \\
 361 \\
 \underline{318} \\
 43 \leftarrow \text{remainder}
 \end{array}$$

$$3541 \div 59 = 60 \text{ remainder } 1$$

```

      60
59 | 3541
    354
    ---
      1
      0
      -
      1 ← remainder

```

P₄₉₇ 3547

$$3547 \div 2 = 1773 \text{ remainder } 1$$

$$\begin{array}{r} 1773 \\ 2 \mid 3547 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3547 \div 3 = 1182 \text{ remainder } 1$$

$$\begin{array}{r} 1182 \\ 3 \mid 3547 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3547 \div 5 = 709 \text{ remainder } 2$$

$$\begin{array}{r} 709 \\ 5 \mid 3547 \\ \underline{35} \\ - - \end{array}$$

```

4
0
-
47
45
--
2 ← remainder

```

$$3547 \div 7 = 506 \text{ remainder } 5$$

```

    506
7 | 3547
   35
   --
    4
    0
    -
    47
    42
    --
    5 ← remainder

```

$$3547 \div 11 = 322 \text{ remainder } 5$$

```

    322
11 | 3547
   33
   --
    24
    22
    --
    27
    22
    --
    5 ← remainder

```

$$3547 \div 13 = 272 \text{ remainder } 11$$

```

    272
13 | 3547
   26
   --
    94
    91

```

```

--
37
26
--
11 ← remainder

```

$$3547 \div 17 = 208 \text{ remainder } 11$$

```

      208
17 | 3547
    34
    --
    14
    0
    -
    147
    136
    ---
    11 ← remainder

```

$$3547 \div 19 = 186 \text{ remainder } 13$$

```

      186
19 | 3547
    19
    --
    164
    152
    ---
    127
    114
    ---
    13 ← remainder

```

$$3547 \div 23 = 154 \text{ remainder } 5$$

```

      154
23 | 3547
    23
    --
    124
    115
    ---
    97

```

92
 --
 5 ← remainder

$$3547 \div 29 = 122 \text{ remainder } 9$$

122
 29 | 3547
 29
 --
 64
 58
 --
 67
 58
 --
 9 ← remainder

$$3547 \div 31 = 114 \text{ remainder } 13$$

114
 31 | 3547
 31
 --
 44
 31
 --
 137
 124

 13 ← remainder

$$3547 \div 37 = 95 \text{ remainder } 32$$

95
 37 | 3547
 333

 217
 185

 32 ← remainder

$$3547 \div 41 = 86 \text{ remainder } 21$$

```

      86
41 | 3547
    328
    ---
    267
    246
    ---
    21 ← remainder

```

$3547 \div 43 = 82 \text{ remainder } 21$

```

      82
43 | 3547
    344
    ---
    107
    86
    --
    21 ← remainder

```

$3547 \div 47 = 75 \text{ remainder } 22$

```

      75
47 | 3547
    329
    ---
    257
    235
    ---
    22 ← remainder

```

$3547 \div 53 = 66 \text{ remainder } 49$

```

      66
53 | 3547
    318
    ---
    367
    318
    ---
    49 ← remainder

```

$3547 \div 59 = 60 \text{ remainder } 7$

```

    60
59 | 3547
    354
    ---
    7
    0
    -
    7 ← remainder

```


P₄₉₈ 3557

$$3557 \div 2 = 1778 \text{ remainder } 1$$

$$\begin{array}{r} 1778 \\ 2 \mid 3557 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 15 \\ \underline{14} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3557 \div 3 = 1185 \text{ remainder } 2$$

$$\begin{array}{r} 1185 \\ 3 \mid 3557 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3557 \div 5 = 711 \text{ remainder } 2$$

$$\begin{array}{r} 711 \\ 5 \mid 3557 \\ \underline{35} \\ - - \end{array}$$

```

5
5
-
7
5
-
2 ← remainder

```

$$3557 \div 7 = 508 \text{ remainder } 1$$

```

      508
7 | 3557
   35
   --
    5
    0
    -
    57
    56
    --
    1 ← remainder

```

$$3557 \div 11 = 323 \text{ remainder } 4$$

```

      323
11 | 3557
   33
   --
    25
    22
    --
    37
    33
    --
    4 ← remainder

```

$$3557 \div 13 = 273 \text{ remainder } 8$$

```

      273
13 | 3557
   26
   --
    95
    91

```

```

--
47
39
--
8 ← remainder

```

$$3557 \div 17 = 209 \text{ remainder } 4$$

```

      209
17 | 3557
    34
    --
    15
    0
    -
    157
    153
    ---
    4 ← remainder

```

$$3557 \div 19 = 187 \text{ remainder } 4$$

```

      187
19 | 3557
    19
    --
    165
    152
    ---
    137
    133
    ---
    4 ← remainder

```

$$3557 \div 23 = 154 \text{ remainder } 15$$

```

      154
23 | 3557
    23
    --
    125
    115
    ---
    107

```

92

--

15 ← remainder

$$3557 \div 29 = 122 \text{ remainder } 19$$

122
29 | 3557
29

--

65

58

--

77

58

--

19 ← remainder

$$3557 \div 31 = 114 \text{ remainder } 23$$

114
31 | 3557
31

--

45

31

--

147

124

23 ← remainder

$$3557 \div 37 = 96 \text{ remainder } 5$$

96
37 | 3557
333

227

222

5 ← remainder

$$3557 \div 41 = 86 \text{ remainder } 31$$

$$\begin{array}{r}
 86 \\
 41 \mid 3557 \\
 328 \\
 --- \\
 277 \\
 246 \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$3557 \div 43 = 82 \text{ remainder } 31$$

$$\begin{array}{r}
 82 \\
 43 \mid 3557 \\
 344 \\
 --- \\
 117 \\
 86 \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$3557 \div 47 = 75 \text{ remainder } 32$$

$$\begin{array}{r}
 75 \\
 47 \mid 3557 \\
 329 \\
 --- \\
 267 \\
 235 \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$3557 \div 53 = 67 \text{ remainder } 6$$

$$\begin{array}{r}
 67 \\
 53 \mid 3557 \\
 318 \\
 --- \\
 377 \\
 371 \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$3557 \div 59 = 60 \text{ remainder } 17$$

```

    60
59 | 3557
    354
    ---
    17
    0
    -
    17 ← remainder

```

P₄₉₉ 3559

$$3559 \div 2 = 1779 \text{ remainder } 1$$

$$\begin{array}{r} 1779 \\ 2 \mid 3559 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 15 \\ \underline{14} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3559 \div 3 = 1186 \text{ remainder } 1$$

$$\begin{array}{r} 1186 \\ 3 \mid 3559 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3559 \div 5 = 711 \text{ remainder } 4$$

$$\begin{array}{r} 711 \\ 5 \mid 3559 \\ \underline{35} \\ - - \end{array}$$

```

5
5
-
9
5
-
4 ← remainder

```

$$3559 \div 7 = 508 \text{ remainder } 3$$

```

    508
7 | 3559
   35
  --
    5
    0
   -
   59
   56
  --
    3 ← remainder

```

$$3559 \div 11 = 323 \text{ remainder } 6$$

```

    323
11 | 3559
   33
  --
    25
    22
  --
    39
    33
  --
    6 ← remainder

```

$$3559 \div 13 = 273 \text{ remainder } 10$$

```

    273
13 | 3559
   26
  --
    95
    91
  --
    4 ← remainder

```



```

--
49
39
--
10 ← remainder

```

$$3559 \div 17 = 209 \text{ remainder } 6$$

```

      209
17 | 3559
    34
    --
    15
    0
    -
    159
    153
    ---
    6 ← remainder

```

$$3559 \div 19 = 187 \text{ remainder } 6$$

```

      187
19 | 3559
    19
    --
    165
    152
    ---
    139
    133
    ---
    6 ← remainder

```

$$3559 \div 23 = 154 \text{ remainder } 17$$

```

      154
23 | 3559
    23
    --
    125
    115
    ---
    109

```

92
 --
 17 ← remainder

$$3559 \div 29 = 122 \text{ remainder } 21$$

122
 29 | 3559
 29
 --
 65
 58
 --
 79
 58
 --
 21 ← remainder

$$3559 \div 31 = 114 \text{ remainder } 25$$

114
 31 | 3559
 31
 --
 45
 31
 --
 149
 124

 25 ← remainder

$$3559 \div 37 = 96 \text{ remainder } 7$$

96
 37 | 3559
 333

 229
 222

 7 ← remainder

$$3559 \div 41 = 86 \text{ remainder } 33$$

$$\begin{array}{r}
 86 \\
 41 \mid 3559 \\
 \underline{328} \\
 --- \\
 279 \\
 \underline{246} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$3559 \div 43 = 82 \text{ remainder } 33$$

$$\begin{array}{r}
 82 \\
 43 \mid 3559 \\
 \underline{344} \\
 --- \\
 119 \\
 \underline{86} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$3559 \div 47 = 75 \text{ remainder } 34$$

$$\begin{array}{r}
 75 \\
 47 \mid 3559 \\
 \underline{329} \\
 --- \\
 269 \\
 \underline{235} \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$3559 \div 53 = 67 \text{ remainder } 8$$

$$\begin{array}{r}
 67 \\
 53 \mid 3559 \\
 \underline{318} \\
 --- \\
 379 \\
 \underline{371} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$3559 \div 59 = 60 \text{ remainder } 19$$

```

    60
59 | 3559
    354
    ---
    19
    0
    -
    19 ← remainder

```

P₅₀₀ 3571

$$3571 \div 2 = 1785 \text{ remainder } 1$$

$$\begin{array}{r} 1785 \\ 2 \mid 3571 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3571 \div 3 = 1190 \text{ remainder } 1$$

$$\begin{array}{r} 1190 \\ 3 \mid 3571 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 27 \\ \underline{27} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3571 \div 5 = 714 \text{ remainder } 1$$

$$\begin{array}{r} 714 \\ 5 \mid 3571 \\ \underline{35} \\ - - \end{array}$$

```

7
5
-
21
20
--
1 ← remainder

```

$3571 \div 7 = 510 \text{ remainder } 1$

```

      510
7 | 3571
   35
   --
    7
    7
    -
    1
    0
    -
    1 ← remainder

```

$3571 \div 11 = 324 \text{ remainder } 7$

```

      324
11 | 3571
   33
   --
    27
    22
    --
    51
    44
    --
    7 ← remainder

```

$3571 \div 13 = 274 \text{ remainder } 9$

```

      274
13 | 3571
   26
   --
    97
    91

```

```

--
61
52
--
9 ← remainder

```

$$3571 \div 17 = 210 \text{ remainder } 1$$

```

      210
17 | 3571
    34
    --
    17
    17
    --
    1
    0
    -
    1 ← remainder

```

$$3571 \div 19 = 187 \text{ remainder } 18$$

```

      187
19 | 3571
    19
    --
    167
    152
    ---
    151
    133
    ---
    18 ← remainder

```

$$3571 \div 23 = 155 \text{ remainder } 6$$

```

      155
23 | 3571
    23
    --
    127
    115
    ---
    121

```

115

 6 ← remainder

$$3571 \div 29 = 123 \text{ remainder } 4$$

123
 29 | 3571
 29
 --
 67
 58
 --
 91
 87
 --
 4 ← remainder

$$3571 \div 31 = 115 \text{ remainder } 6$$

115
 31 | 3571
 31
 --
 47
 31
 --
 161
 155

 6 ← remainder

$$3571 \div 37 = 96 \text{ remainder } 19$$

96
 37 | 3571
 333

 241
 222

 19 ← remainder

$$3571 \div 41 = 87 \text{ remainder } 4$$

$$\begin{array}{r}
 87 \\
 41 \mid 3571 \\
 \underline{328} \\
 --- \\
 291 \\
 \underline{287} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$3571 \div 43 = 83 \text{ remainder } 2$$

$$\begin{array}{r}
 83 \\
 43 \mid 3571 \\
 \underline{344} \\
 --- \\
 131 \\
 \underline{129} \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$3571 \div 47 = 75 \text{ remainder } 46$$

$$\begin{array}{r}
 75 \\
 47 \mid 3571 \\
 \underline{329} \\
 --- \\
 281 \\
 \underline{235} \\
 --- \\
 46 \leftarrow \text{remainder}
 \end{array}$$

$$3571 \div 53 = 67 \text{ remainder } 20$$

$$\begin{array}{r}
 67 \\
 53 \mid 3571 \\
 \underline{318} \\
 --- \\
 391 \\
 \underline{371} \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$3571 \div 59 = 60 \text{ remainder } 31$$

```

    60
59 | 3571
    354
    ---
    31
    0
    -
    31 ← remainder

```

P₅₀₁ 3581

$$3581 \div 2 = 1790 \text{ remainder } 1$$

$$\begin{array}{r} 1790 \\ 2 \overline{) 3581} \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3581 \div 3 = 1193 \text{ remainder } 2$$

$$\begin{array}{r} 1193 \\ 3 \overline{) 3581} \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3581 \div 5 = 716 \text{ remainder } 1$$

$$\begin{array}{r} 716 \\ 5 \overline{) 3581} \\ \underline{35} \\ - - \end{array}$$

```

8
5
-
31
30
--
1 ← remainder

```

$$3581 \div 7 = 511 \text{ remainder } 4$$

```

511
7 | 3581
35
--
8
7
-
11
7
-
4 ← remainder

```

$$3581 \div 11 = 325 \text{ remainder } 6$$

```

325
11 | 3581
33
--
28
22
--
61
55
--
6 ← remainder

```

$$3581 \div 13 = 275 \text{ remainder } 6$$

```

275
13 | 3581
26
--
98
91

```

```

--
71
65
--
6 ← remainder

```

$$3581 \div 17 = 210 \text{ remainder } 11$$

```

      210
17 | 3581
    34
    --
    18
    17
    --
    11
    0
    -
    11 ← remainder

```

$$3581 \div 19 = 188 \text{ remainder } 9$$

```

      188
19 | 3581
    19
    --
    168
    152
    ---
    161
    152
    ---
    9 ← remainder

```

$$3581 \div 23 = 155 \text{ remainder } 16$$

```

      155
23 | 3581
    23
    --
    128
    115
    ---
    131

```

115

16 ← remainder

$$3581 \div 29 = 123 \text{ remainder } 14$$

123

29 | 3581

29

--

68

58

--

101

87

--

14 ← remainder

$$3581 \div 31 = 115 \text{ remainder } 16$$

115

31 | 3581

31

--

48

31

--

171

155

16 ← remainder

$$3581 \div 37 = 96 \text{ remainder } 29$$

96

37 | 3581

333

251

222

29 ← remainder

$$3581 \div 41 = 87 \text{ remainder } 14$$

$$\begin{array}{r}
 87 \\
 41 \overline{) 3581} \\
 \underline{328} \\
 301 \\
 \underline{287} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$3581 \div 43 = 83 \text{ remainder } 12$$

$$\begin{array}{r}
 83 \\
 43 \overline{) 3581} \\
 \underline{344} \\
 141 \\
 \underline{129} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$3581 \div 47 = 76 \text{ remainder } 9$$

$$\begin{array}{r}
 76 \\
 47 \overline{) 3581} \\
 \underline{329} \\
 291 \\
 \underline{282} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$3581 \div 53 = 67 \text{ remainder } 30$$

$$\begin{array}{r}
 67 \\
 53 \overline{) 3581} \\
 \underline{318} \\
 401 \\
 \underline{371} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$3581 \div 59 = 60 \text{ remainder } 41$$

```

    60
59 | 3581
    354
    ---
    41
    0
    -
    41 ← remainder

```


P₅₀₂ 3583

$$3583 \div 2 = 1791 \text{ remainder } 1$$

$$\begin{array}{r} 1791 \\ 2 \mid 3583 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3583 \div 3 = 1194 \text{ remainder } 1$$

$$\begin{array}{r} 1194 \\ 3 \mid 3583 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3583 \div 5 = 716 \text{ remainder } 3$$

$$\begin{array}{r} 716 \\ 5 \mid 3583 \\ \underline{35} \\ - - \end{array}$$

```

8
5
-
33
30
--
3 ← remainder

```

$$3583 \div 7 = 511 \text{ remainder } 6$$

```

511
7 | 3583
35
--
8
7
-
13
7
-
6 ← remainder

```

$$3583 \div 11 = 325 \text{ remainder } 8$$

```

325
11 | 3583
33
--
28
22
--
63
55
--
8 ← remainder

```

$$3583 \div 13 = 275 \text{ remainder } 8$$

```

275
13 | 3583
26
--
98
91

```

```

--
73
65
--
8 ← remainder

```

$$3583 \div 17 = 210 \text{ remainder } 13$$

```

      210
17 | 3583
    34
    --
    18
    17
    --
    13
    0
    -
    13 ← remainder

```

$$3583 \div 19 = 188 \text{ remainder } 11$$

```

      188
19 | 3583
    19
    --
    168
    152
    ---
    163
    152
    ---
    11 ← remainder

```

$$3583 \div 23 = 155 \text{ remainder } 18$$

```

      155
23 | 3583
    23
    --
    128
    115
    ---
    133

```

115

18 ← remainder

$$3583 \div 29 = 123 \text{ remainder } 16$$

123

29 | 3583

29

--

68

58

--

103

87

--

16 ← remainder

$$3583 \div 31 = 115 \text{ remainder } 18$$

115

31 | 3583

31

--

48

31

--

173

155

18 ← remainder

$$3583 \div 37 = 96 \text{ remainder } 31$$

96

37 | 3583

333

253

222

31 ← remainder

$$3583 \div 41 = 87 \text{ remainder } 16$$

$$\begin{array}{r}
 87 \\
 41 \overline{) 3583} \\
 \underline{328} \\
 303 \\
 \underline{287} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$3583 \div 43 = 83 \text{ remainder } 14$$

$$\begin{array}{r}
 83 \\
 43 \overline{) 3583} \\
 \underline{344} \\
 143 \\
 \underline{129} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$3583 \div 47 = 76 \text{ remainder } 11$$

$$\begin{array}{r}
 76 \\
 47 \overline{) 3583} \\
 \underline{329} \\
 293 \\
 \underline{282} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$3583 \div 53 = 67 \text{ remainder } 32$$

$$\begin{array}{r}
 67 \\
 53 \overline{) 3583} \\
 \underline{318} \\
 403 \\
 \underline{371} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$3583 \div 59 = 60 \text{ remainder } 43$$

| | | |
|----|----|----------------|
| | 60 | |
| 59 | | 3583 |
| | | 354 |
| | | --- |
| | | 43 |
| | | 0 |
| | | - |
| | | 43 ← remainder |

P₅₀₃ 3593

$$3593 \div 2 = 1796 \text{ remainder } 1$$

$$\begin{array}{r} 1796 \\ 2 \mid 3593 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3593 \div 3 = 1197 \text{ remainder } 2$$

$$\begin{array}{r} 1197 \\ 3 \mid 3593 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3593 \div 5 = 718 \text{ remainder } 3$$

$$\begin{array}{r} 718 \\ 5 \mid 3593 \\ \underline{35} \\ - - \end{array}$$

```

9
5
-
43
40
--
3 ← remainder

```

$$3593 \div 7 = 513 \text{ remainder } 2$$

```

513
7 | 3593
35
--
9
7
-
23
21
--
2 ← remainder

```

$$3593 \div 11 = 326 \text{ remainder } 7$$

```

326
11 | 3593
33
--
29
22
--
73
66
--
7 ← remainder

```

$$3593 \div 13 = 276 \text{ remainder } 5$$

```

276
13 | 3593
26
--
99
91

```



```

--
83
78
--
5 ← remainder

```

$$3593 \div 17 = 211 \text{ remainder } 6$$

```

      211
17 | 3593
    34
    --
    19
    17
    --
    23
    17
    --
    6 ← remainder

```

$$3593 \div 19 = 189 \text{ remainder } 2$$

```

      189
19 | 3593
    19
    --
    169
    152
    ---
    173
    171
    ---
    2 ← remainder

```

$$3593 \div 23 = 156 \text{ remainder } 5$$

```

      156
23 | 3593
    23
    --
    129
    115
    ---
    143

```

138

5 ← remainder

$$3593 \div 29 = 123 \text{ remainder } 26$$

123
29 | 3593
29

--

69

58

--

113

87

--

26 ← remainder

$$3593 \div 31 = 115 \text{ remainder } 28$$

115
31 | 3593
31

--

49

31

--

183

155

28 ← remainder

$$3593 \div 37 = 97 \text{ remainder } 4$$

97
37 | 3593
333

263

259

4 ← remainder

$$3593 \div 41 = 87 \text{ remainder } 26$$

$$\begin{array}{r}
 87 \\
 41 \mid 3593 \\
 \underline{328} \\
 --- \\
 313 \\
 \underline{287} \\
 --- \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$3593 \div 43 = 83 \text{ remainder } 24$$

$$\begin{array}{r}
 83 \\
 43 \mid 3593 \\
 \underline{344} \\
 --- \\
 153 \\
 \underline{129} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$3593 \div 47 = 76 \text{ remainder } 21$$

$$\begin{array}{r}
 76 \\
 47 \mid 3593 \\
 \underline{329} \\
 --- \\
 303 \\
 \underline{282} \\
 --- \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$3593 \div 53 = 67 \text{ remainder } 42$$

$$\begin{array}{r}
 67 \\
 53 \mid 3593 \\
 \underline{318} \\
 --- \\
 413 \\
 \underline{371} \\
 --- \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$3593 \div 59 = 60 \text{ remainder } 53$$

| | |
|----|----------------|
| | 60 |
| 59 | 3593 |
| | 354 |
| | --- |
| | 53 |
| | 0 |
| | - |
| | 53 ← remainder |

P₅₀₄ 3607

$$3607 \div 2 = 1803 \text{ remainder } 1$$

$$\begin{array}{r} 1803 \\ 2 \overline{) 3607} \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ - - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3607 \div 3 = 1202 \text{ remainder } 1$$

$$\begin{array}{r} 1202 \\ 3 \overline{) 3607} \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3607 \div 5 = 721 \text{ remainder } 2$$

$$\begin{array}{r} 721 \\ 5 \overline{) 3607} \\ \underline{35} \\ - - \end{array}$$

```

10
10
--
7
5
-
2 ← remainder

```

$$3607 \div 7 = 515 \text{ remainder } 2$$

```

515
7 | 3607
35
--
10
7
-
37
35
--
2 ← remainder

```

$$3607 \div 11 = 327 \text{ remainder } 10$$

```

327
11 | 3607
33
--
30
22
--
87
77
--
10 ← remainder

```

$$3607 \div 13 = 277 \text{ remainder } 6$$

```

277
13 | 3607
26
--
100
91

```

```

--
97
91
--
6 ← remainder

```

$$3607 \div 17 = 212 \text{ remainder } 3$$

```

      212
17 | 3607
    34
    --
    20
    17
    --
    37
    34
    --
    3 ← remainder

```

$$3607 \div 19 = 189 \text{ remainder } 16$$

```

      189
19 | 3607
    19
    --
    170
    152
    ---
    187
    171
    ---
    16 ← remainder

```

$$3607 \div 23 = 156 \text{ remainder } 19$$

```

      156
23 | 3607
    23
    --
    130
    115
    ---
    157

```

138

19 ← remainder

$$3607 \div 29 = 124 \text{ remainder } 11$$

124

29 | 3607

29

--

70

58

--

127

116

11 ← remainder

$$3607 \div 31 = 116 \text{ remainder } 11$$

116

31 | 3607

31

--

50

31

--

197

186

11 ← remainder

$$3607 \div 37 = 97 \text{ remainder } 18$$

97

37 | 3607

333

277

259

18 ← remainder

$$3607 \div 41 = 87 \text{ remainder } 40$$


```

      87
41 | 3607
    328
    ---
    327
    287
    ---
    40 ← remainder

```

$$3607 \div 43 = 83 \text{ remainder } 38$$

```

      83
43 | 3607
    344
    ---
    167
    129
    ---
    38 ← remainder

```

$$3607 \div 47 = 76 \text{ remainder } 35$$

```

      76
47 | 3607
    329
    ---
    317
    282
    ---
    35 ← remainder

```

$$3607 \div 53 = 68 \text{ remainder } 3$$

```

      68
53 | 3607
    318
    ---
    427
    424
    ---
    3 ← remainder

```

$$3607 \div 59 = 61 \text{ remainder } 8$$

| | |
|----|---------------|
| | 61 |
| 59 | 3607 |
| | 354 |
| | --- |
| | 67 |
| | 59 |
| | -- |
| | 8 ← remainder |

P₅₀₅ 3613

$$3613 \div 2 = 1806 \text{ remainder } 1$$

$$\begin{array}{r} 1806 \\ 2 \mid 3613 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3613 \div 3 = 1204 \text{ remainder } 1$$

$$\begin{array}{r} 1204 \\ 3 \mid 3613 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3613 \div 5 = 722 \text{ remainder } 3$$

$$\begin{array}{r} 722 \\ 5 \mid 3613 \\ \underline{35} \\ -- \end{array}$$

```

11
10
--
13
10
--
3 ← remainder

```

$$3613 \div 7 = 516 \text{ remainder } 1$$

```

  516
7 | 3613
  35
  --
  11
   7
   -
   43
   42
   --
   1 ← remainder

```

$$3613 \div 11 = 328 \text{ remainder } 5$$

```

  328
11 | 3613
   33
   --
   31
   22
   --
   93
   88
   --
   5 ← remainder

```

$$3613 \div 13 = 277 \text{ remainder } 12$$

```

  277
13 | 3613
   26
   --
  101
   91

```

```

--
103
91
--
12 ← remainder

```

$$3613 \div 17 = 212 \text{ remainder } 9$$

```

      212
17 | 3613
    34
    --
     21
     17
     --
     43
     34
     --
     9 ← remainder

```

$$3613 \div 19 = 190 \text{ remainder } 3$$

```

      190
19 | 3613
    19
    --
    171
    171
    ---
     3
     0
     -
     3 ← remainder

```

$$3613 \div 23 = 157 \text{ remainder } 2$$

```

      157
23 | 3613
    23
    --
    131
    115
    ---
    163

```

161

 2 ← remainder

$$3613 \div 29 = 124 \text{ remainder } 17$$

124
 29 | 3613
 29
 --
 71
 58
 --
 133
 116

 17 ← remainder

$$3613 \div 31 = 116 \text{ remainder } 17$$

116
 31 | 3613
 31
 --
 51
 31
 --
 203
 186

 17 ← remainder

$$3613 \div 37 = 97 \text{ remainder } 24$$

97
 37 | 3613
 333

 283
 259

 24 ← remainder

$$3613 \div 41 = 88 \text{ remainder } 5$$

$$\begin{array}{r}
 88 \\
 41 \mid 3613 \\
 \underline{328} \\
 --- \\
 333 \\
 \underline{328} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3613 \div 43 = 84 \text{ remainder } 1$$

$$\begin{array}{r}
 84 \\
 43 \mid 3613 \\
 \underline{344} \\
 --- \\
 173 \\
 \underline{172} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$3613 \div 47 = 76 \text{ remainder } 41$$

$$\begin{array}{r}
 76 \\
 47 \mid 3613 \\
 \underline{329} \\
 --- \\
 323 \\
 \underline{282} \\
 --- \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$3613 \div 53 = 68 \text{ remainder } 9$$

$$\begin{array}{r}
 68 \\
 53 \mid 3613 \\
 \underline{318} \\
 --- \\
 433 \\
 \underline{424} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$3613 \div 59 = 61 \text{ remainder } 14$$

```
      61
59 | 3613
    354
    ---
    73
    59
    --
    14 ← remainder
```


P₅₀₆ 3617

$$3617 \div 2 = 1808 \text{ remainder } 1$$

$$\begin{array}{r} 1808 \\ 2 \overline{) 3617} \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3617 \div 3 = 1205 \text{ remainder } 2$$

$$\begin{array}{r} 1205 \\ 3 \overline{) 3617} \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3617 \div 5 = 723 \text{ remainder } 2$$

$$\begin{array}{r} 723 \\ 5 \overline{) 3617} \\ \underline{35} \\ -- \end{array}$$

```

11
10
--
17
15
--
2 ← remainder

```

$$3617 \div 7 = 516 \text{ remainder } 5$$

```

  516
7 | 3617
  35
  --
  11
  7
  -
  47
  42
  --
  5 ← remainder

```

$$3617 \div 11 = 328 \text{ remainder } 9$$

```

  328
11 | 3617
   33
   --
   31
   22
   --
   97
   88
   --
   9 ← remainder

```

$$3617 \div 13 = 278 \text{ remainder } 3$$

```

  278
13 | 3617
   26
   --
  101
   91

```

```

--
107
104
---
3 ← remainder

```

$$3617 \div 17 = 212 \text{ remainder } 13$$

```

      212
17 | 3617
    34
    --
    21
    17
    --
    47
    34
    --
    13 ← remainder

```

$$3617 \div 19 = 190 \text{ remainder } 7$$

```

      190
19 | 3617
    19
    --
    171
    171
    ---
     7
     0
     -
     7 ← remainder

```

$$3617 \div 23 = 157 \text{ remainder } 6$$

```

      157
23 | 3617
    23
    --
    131
    115
    ---
    167

```

161

 6 ← remainder

$$3617 \div 29 = 124 \text{ remainder } 21$$

124
 29 | 3617
 29
 --
 71
 58
 --
 137
 116

 21 ← remainder

$$3617 \div 31 = 116 \text{ remainder } 21$$

116
 31 | 3617
 31
 --
 51
 31
 --
 207
 186

 21 ← remainder

$$3617 \div 37 = 97 \text{ remainder } 28$$

97
 37 | 3617
 333

 287
 259

 28 ← remainder

$$3617 \div 41 = 88 \text{ remainder } 9$$

$$\begin{array}{r}
 88 \\
 41 \mid 3617 \\
 \underline{328} \\
 --- \\
 337 \\
 \underline{328} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$3617 \div 43 = 84 \text{ remainder } 5$$

$$\begin{array}{r}
 84 \\
 43 \mid 3617 \\
 \underline{344} \\
 --- \\
 177 \\
 \underline{172} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3617 \div 47 = 76 \text{ remainder } 45$$

$$\begin{array}{r}
 76 \\
 47 \mid 3617 \\
 \underline{329} \\
 --- \\
 327 \\
 \underline{282} \\
 --- \\
 45 \leftarrow \text{remainder}
 \end{array}$$

$$3617 \div 53 = 68 \text{ remainder } 13$$

$$\begin{array}{r}
 68 \\
 53 \mid 3617 \\
 \underline{318} \\
 --- \\
 437 \\
 \underline{424} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$3617 \div 59 = 61 \text{ remainder } 18$$

| | |
|----|----------------|
| | 61 |
| 59 | 3617 |
| | 354 |
| | --- |
| | 77 |
| | 59 |
| | -- |
| | 18 ← remainder |

P₅₀₇ 3623

$$3623 \div 2 = 1811 \text{ remainder } 1$$

$$\begin{array}{r} 1811 \\ 2 \mid 3623 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3623 \div 3 = 1207 \text{ remainder } 2$$

$$\begin{array}{r} 1207 \\ 3 \mid 3623 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3623 \div 5 = 724 \text{ remainder } 3$$

$$\begin{array}{r} 724 \\ 5 \mid 3623 \\ \underline{35} \\ -- \end{array}$$

```

12
10
--
23
20
--
3 ← remainder

```

$$3623 \div 7 = 517 \text{ remainder } 4$$

```

    517
7 | 3623
   35
   --
    12
    7
    -
    53
    49
    --
    4 ← remainder

```

$$3623 \div 11 = 329 \text{ remainder } 4$$

```

    329
11 | 3623
   33
   --
    32
    22
    --
    103
    99
    --
    4 ← remainder

```

$$3623 \div 13 = 278 \text{ remainder } 9$$

```

    278
13 | 3623
   26
   --
    102
    91

```



```

--
113
104
---
9 ← remainder

```

$$3623 \div 17 = 213 \text{ remainder } 2$$

```

      213
17 | 3623
    34
    --
    22
    17
    --
    53
    51
    --
    2 ← remainder

```

$$3623 \div 19 = 190 \text{ remainder } 13$$

```

      190
19 | 3623
    19
    --
    172
    171
    ---
    13
    0
    -
    13 ← remainder

```

$$3623 \div 23 = 157 \text{ remainder } 12$$

```

      157
23 | 3623
    23
    --
    132
    115
    ---
    173

```

161

12 ← remainder

$$3623 \div 29 = 124 \text{ remainder } 27$$

124

29 | 3623

29

--

72

58

--

143

116

27 ← remainder

$$3623 \div 31 = 116 \text{ remainder } 27$$

116

31 | 3623

31

--

52

31

--

213

186

27 ← remainder

$$3623 \div 37 = 97 \text{ remainder } 34$$

97

37 | 3623

333

293

259

34 ← remainder

$$3623 \div 41 = 88 \text{ remainder } 15$$

$$\begin{array}{r}
 88 \\
 41 \mid 3623 \\
 \underline{328} \\
 --- \\
 343 \\
 \underline{328} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$3623 \div 43 = 84 \text{ remainder } 11$$

$$\begin{array}{r}
 84 \\
 43 \mid 3623 \\
 \underline{344} \\
 --- \\
 183 \\
 \underline{172} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$3623 \div 47 = 77 \text{ remainder } 4$$

$$\begin{array}{r}
 77 \\
 47 \mid 3623 \\
 \underline{329} \\
 --- \\
 333 \\
 \underline{329} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$3623 \div 53 = 68 \text{ remainder } 19$$

$$\begin{array}{r}
 68 \\
 53 \mid 3623 \\
 \underline{318} \\
 --- \\
 443 \\
 \underline{424} \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$3623 \div 59 = 61 \text{ remainder } 24$$

| | |
|----|----------------|
| | 61 |
| 59 | 3623 |
| | 354 |
| | --- |
| | 83 |
| | 59 |
| | -- |
| | 24 ← remainder |

P₅₀₈ 3631

$$3631 \div 2 = 1815 \text{ remainder } 1$$

$$\begin{array}{r} 1815 \\ 2 \mid 3631 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3631 \div 3 = 1210 \text{ remainder } 1$$

$$\begin{array}{r} 1210 \\ 3 \mid 3631 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3631 \div 5 = 726 \text{ remainder } 1$$

$$\begin{array}{r} 726 \\ 5 \mid 3631 \\ \underline{35} \\ -- \end{array}$$

```

13
10
--
31
30
--
1 ← remainder

```

$$3631 \div 7 = 518 \text{ remainder } 5$$

```

    518
7 | 3631
   35
   --
   13
   7
   -
   61
   56
   --
   5 ← remainder

```

$$3631 \div 11 = 330 \text{ remainder } 1$$

```

    330
11 | 3631
   33
   --
   33
   33
   --
   1
   0
   -
   1 ← remainder

```

$$3631 \div 13 = 279 \text{ remainder } 4$$

```

    279
13 | 3631
   26
   --
   103
   91

```

```

--
121
117
---
4 ← remainder

```

$$3631 \div 17 = 213 \text{ remainder } 10$$

```

213
17 | 3631
   34
   --
   23
   17
   --
   61
   51
   --
   10 ← remainder

```

$$3631 \div 19 = 191 \text{ remainder } 2$$

```

191
19 | 3631
   19
   --
  173
  171
  ---
   21
   19
   --
   2 ← remainder

```

$$3631 \div 23 = 157 \text{ remainder } 20$$

```

157
23 | 3631
   23
   --
  133
  115
  ---
  181

```

161

 20 ← remainder

$$3631 \div 29 = 125 \text{ remainder } 6$$

125
 29 | 3631
 29
 --
 73
 58
 --
 151
 145

 6 ← remainder

$$3631 \div 31 = 117 \text{ remainder } 4$$

117
 31 | 3631
 31
 --
 53
 31
 --
 221
 217

 4 ← remainder

$$3631 \div 37 = 98 \text{ remainder } 5$$

98
 37 | 3631
 333

 301
 296

 5 ← remainder

$$3631 \div 41 = 88 \text{ remainder } 23$$

$$\begin{array}{r}
 88 \\
 41 \mid 3631 \\
 \underline{328} \\
 --- \\
 351 \\
 \underline{328} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$3631 \div 43 = 84 \text{ remainder } 19$$

$$\begin{array}{r}
 84 \\
 43 \mid 3631 \\
 \underline{344} \\
 --- \\
 191 \\
 \underline{172} \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$3631 \div 47 = 77 \text{ remainder } 12$$

$$\begin{array}{r}
 77 \\
 47 \mid 3631 \\
 \underline{329} \\
 --- \\
 341 \\
 \underline{329} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$3631 \div 53 = 68 \text{ remainder } 27$$

$$\begin{array}{r}
 68 \\
 53 \mid 3631 \\
 \underline{318} \\
 --- \\
 451 \\
 \underline{424} \\
 --- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$3631 \div 59 = 61 \text{ remainder } 32$$

| | |
|----|----------------|
| | 61 |
| 59 | 3631 |
| | 354 |
| | --- |
| | 91 |
| | 59 |
| | -- |
| | 32 ← remainder |

P₅₀₉ 3637

$$3637 \div 2 = 1818 \text{ remainder } 1$$

$$\begin{array}{r} 1818 \\ 2 \overline{) 3637} \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3637 \div 3 = 1212 \text{ remainder } 1$$

$$\begin{array}{r} 1212 \\ 3 \overline{) 3637} \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3637 \div 5 = 727 \text{ remainder } 2$$

$$\begin{array}{r} 727 \\ 5 \overline{) 3637} \\ \underline{35} \\ -- \end{array}$$

```

13
10
--
37
35
--
2 ← remainder

```

$$3637 \div 7 = 519 \text{ remainder } 4$$

```

    519
7 | 3637
   35
   --
   13
   7
   -
   67
   63
   --
   4 ← remainder

```

$$3637 \div 11 = 330 \text{ remainder } 7$$

```

    330
11 | 3637
   33
   --
   33
   33
   --
   7
   0
   -
   7 ← remainder

```

$$3637 \div 13 = 279 \text{ remainder } 10$$

```

    279
13 | 3637
   26
   --
   103
   91

```

```

--
127
117
---
10 ← remainder

```

$$3637 \div 17 = 213 \text{ remainder } 16$$

```

      213
17 | 3637
    34
    --
    23
    17
    --
    67
    51
    --
    16 ← remainder

```

$$3637 \div 19 = 191 \text{ remainder } 8$$

```

      191
19 | 3637
    19
    --
    173
    171
    ---
    27
    19
    --
    8 ← remainder

```

$$3637 \div 23 = 158 \text{ remainder } 3$$

```

      158
23 | 3637
    23
    --
    133
    115
    ---
    187

```

184

 3 ← remainder

$$3637 \div 29 = 125 \text{ remainder } 12$$

125
 29 | 3637
 29
 --
 73
 58
 --
 157
 145

 12 ← remainder

$$3637 \div 31 = 117 \text{ remainder } 10$$

117
 31 | 3637
 31
 --
 53
 31
 --
 227
 217

 10 ← remainder

$$3637 \div 37 = 98 \text{ remainder } 11$$

98
 37 | 3637
 333

 307
 296

 11 ← remainder

$$3637 \div 41 = 88 \text{ remainder } 29$$

```

      88
41 | 3637
    328
    ---
    357
    328
    ---
    29 ← remainder

```

$$3637 \div 43 = 84 \text{ remainder } 25$$

```

      84
43 | 3637
    344
    ---
    197
    172
    ---
    25 ← remainder

```

$$3637 \div 47 = 77 \text{ remainder } 18$$

```

      77
47 | 3637
    329
    ---
    347
    329
    ---
    18 ← remainder

```

$$3637 \div 53 = 68 \text{ remainder } 33$$

```

      68
53 | 3637
    318
    ---
    457
    424
    ---
    33 ← remainder

```

$$3637 \div 59 = 61 \text{ remainder } 38$$

| | |
|----|----------------|
| | 61 |
| 59 | 3637 |
| | 354 |
| | --- |
| | 97 |
| | 59 |
| | -- |
| | 38 ← remainder |

P₅₁₀ 3643

$$3643 \div 2 = 1821 \text{ remainder } 1$$

$$\begin{array}{r} 1821 \\ 2 \mid 3643 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3643 \div 3 = 1214 \text{ remainder } 1$$

$$\begin{array}{r} 1214 \\ 3 \mid 3643 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3643 \div 5 = 728 \text{ remainder } 3$$

$$\begin{array}{r} 728 \\ 5 \mid 3643 \\ \underline{35} \\ -- \end{array}$$

```

14
10
--
43
40
--
3 ← remainder

```

$$3643 \div 7 = 520 \text{ remainder } 3$$

```

    520
7 | 3643
   35
   --
   14
   14
   --
    3
    0
    -
    3 ← remainder

```

$$3643 \div 11 = 331 \text{ remainder } 2$$

```

    331
11 | 3643
   33
   --
   34
   33
   --
   13
   11
   --
    2 ← remainder

```

$$3643 \div 13 = 280 \text{ remainder } 3$$

```

    280
13 | 3643
   26
   --
   104
   104

```

```

  ---
  3
  0
  -
  3 ← remainder

```

$$3643 \div 17 = 214 \text{ remainder } 5$$

```

    214
  17 | 3643
     34
     --
     24
     17
     --
     73
     68
     --
     5 ← remainder

```

$$3643 \div 19 = 191 \text{ remainder } 14$$

```

    191
  19 | 3643
     19
     --
    174
    171
    ---
     33
     19
     --
    14 ← remainder

```

$$3643 \div 23 = 158 \text{ remainder } 9$$

```

    158
  23 | 3643
     23
     --
    134
    115
    ---
    193

```

184

9 ← remainder

$$3643 \div 29 = 125 \text{ remainder } 18$$

125

29 | 3643

29

--

74

58

--

163

145

18 ← remainder

$$3643 \div 31 = 117 \text{ remainder } 16$$

117

31 | 3643

31

--

54

31

--

233

217

16 ← remainder

$$3643 \div 37 = 98 \text{ remainder } 17$$

98

37 | 3643

333

313

296

17 ← remainder

$$3643 \div 41 = 88 \text{ remainder } 35$$

$$\begin{array}{r}
 88 \\
 41 \mid 3643 \\
 \underline{328} \\
 --- \\
 363 \\
 \underline{328} \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$3643 \div 43 = 84 \text{ remainder } 31$$

$$\begin{array}{r}
 84 \\
 43 \mid 3643 \\
 \underline{344} \\
 --- \\
 203 \\
 \underline{172} \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$3643 \div 47 = 77 \text{ remainder } 24$$

$$\begin{array}{r}
 77 \\
 47 \mid 3643 \\
 \underline{329} \\
 --- \\
 353 \\
 \underline{329} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$3643 \div 53 = 68 \text{ remainder } 39$$

$$\begin{array}{r}
 68 \\
 53 \mid 3643 \\
 \underline{318} \\
 --- \\
 463 \\
 \underline{424} \\
 --- \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$3643 \div 59 = 61 \text{ remainder } 44$$

| | | |
|----|----|----------------|
| | 61 | |
| 59 | | 3643 |
| | | 354 |
| | | --- |
| | | 103 |
| | | 59 |
| | | -- |
| | | 44 ← remainder |

P₅₁₁ 3659

$$3659 \div 2 = 1829 \text{ remainder } 1$$

$$\begin{array}{r} 1829 \\ 2 \overline{) 3659} \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3659 \div 3 = 1219 \text{ remainder } 2$$

$$\begin{array}{r} 1219 \\ 3 \overline{) 3659} \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3659 \div 5 = 731 \text{ remainder } 4$$

$$\begin{array}{r} 731 \\ 5 \overline{) 3659} \\ \underline{35} \\ -- \end{array}$$

```

15
15
--
9
5
-
4 ← remainder

```

$$3659 \div 7 = 522 \text{ remainder } 5$$

```

522
7 | 3659
35
--
15
14
--
19
14
--
5 ← remainder

```

$$3659 \div 11 = 332 \text{ remainder } 7$$

```

332
11 | 3659
33
--
35
33
--
29
22
--
7 ← remainder

```

$$3659 \div 13 = 281 \text{ remainder } 6$$

```

281
13 | 3659
26
--
105
104

```



```

---
19
13
--
6 ← remainder

```

$$3659 \div 17 = 215 \text{ remainder } 4$$

```

  215
17 | 3659
   34
   --
   25
   17
   --
   89
   85
   --
   4 ← remainder

```

$$3659 \div 19 = 192 \text{ remainder } 11$$

```

  192
19 | 3659
   19
   --
  175
  171
  ---
   49
   38
   --
  11 ← remainder

```

$$3659 \div 23 = 159 \text{ remainder } 2$$

```

  159
23 | 3659
   23
   --
  135
  115
  ---
  209

```

207

2 ← remainder

$$3659 \div 29 = 126 \text{ remainder } 5$$

126

29 | 3659

29

--

75

58

--

179

174

5 ← remainder

$$3659 \div 31 = 118 \text{ remainder } 1$$

118

31 | 3659

31

--

55

31

--

249

248

1 ← remainder

$$3659 \div 37 = 98 \text{ remainder } 33$$

98

37 | 3659

333

329

296

33 ← remainder

$$3659 \div 41 = 89 \text{ remainder } 10$$

$$\begin{array}{r}
 89 \\
 41 \mid 3659 \\
 \underline{328} \\
 --- \\
 379 \\
 \underline{369} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$3659 \div 43 = 85 \text{ remainder } 4$$

$$\begin{array}{r}
 85 \\
 43 \mid 3659 \\
 \underline{344} \\
 --- \\
 219 \\
 \underline{215} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$3659 \div 47 = 77 \text{ remainder } 40$$

$$\begin{array}{r}
 77 \\
 47 \mid 3659 \\
 \underline{329} \\
 --- \\
 369 \\
 \underline{329} \\
 --- \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$3659 \div 53 = 69 \text{ remainder } 2$$

$$\begin{array}{r}
 69 \\
 53 \mid 3659 \\
 \underline{318} \\
 --- \\
 479 \\
 \underline{477} \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$3659 \div 59 = 62 \text{ remainder } 1$$

| | |
|----|---------------|
| | 62 |
| 59 | 3659 |
| | 354 |
| | --- |
| | 119 |
| | 118 |
| | --- |
| | 1 ← remainder |

P₅₁₂ 3671

$$3671 \div 2 = 1835 \text{ remainder } 1$$

$$\begin{array}{r} 1835 \\ 2 \mid 3671 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3671 \div 3 = 1223 \text{ remainder } 2$$

$$\begin{array}{r} 1223 \\ 3 \mid 3671 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3671 \div 5 = 734 \text{ remainder } 1$$

$$\begin{array}{r} 734 \\ 5 \mid 3671 \\ \underline{35} \\ -- \end{array}$$

```

17
15
--
21
20
--
1 ← remainder

```

$$3671 \div 7 = 524 \text{ remainder } 3$$

```

  524
7 | 3671
  35
  --
  17
  14
  --
  31
  28
  --
  3 ← remainder

```

$$3671 \div 11 = 333 \text{ remainder } 8$$

```

  333
11 | 3671
   33
   --
   37
   33
   --
   41
   33
   --
   8 ← remainder

```

$$3671 \div 13 = 282 \text{ remainder } 5$$

```

  282
13 | 3671
   26
   --
  107
  104

```

```

---
31
26
--
5 ← remainder

```

$$3671 \div 17 = 215 \text{ remainder } 16$$

```

  215
17 | 3671
   34
   --
   27
   17
   --
  101
   85
   --
   16 ← remainder

```

$$3671 \div 19 = 193 \text{ remainder } 4$$

```

  193
19 | 3671
   19
   --
  177
  171
  ---
   61
   57
   --
   4 ← remainder

```

$$3671 \div 23 = 159 \text{ remainder } 14$$

```

  159
23 | 3671
   23
   --
  137
  115
  ---
  221

```

207

14 ← remainder

$$3671 \div 29 = 126 \text{ remainder } 17$$

126

29 | 3671

29

--

77

58

--

191

174

17 ← remainder

$$3671 \div 31 = 118 \text{ remainder } 13$$

118

31 | 3671

31

--

57

31

--

261

248

13 ← remainder

$$3671 \div 37 = 99 \text{ remainder } 8$$

99

37 | 3671

333

341

333

8 ← remainder

$$3671 \div 41 = 89 \text{ remainder } 22$$

$$\begin{array}{r}
 89 \\
 41 \overline{) 3671} \\
 \underline{328} \\
 --- \\
 391 \\
 \underline{369} \\
 --- \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$3671 \div 43 = 85 \text{ remainder } 16$$

$$\begin{array}{r}
 85 \\
 43 \overline{) 3671} \\
 \underline{344} \\
 --- \\
 231 \\
 \underline{215} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$3671 \div 47 = 78 \text{ remainder } 5$$

$$\begin{array}{r}
 78 \\
 47 \overline{) 3671} \\
 \underline{329} \\
 --- \\
 381 \\
 \underline{376} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$3671 \div 53 = 69 \text{ remainder } 14$$

$$\begin{array}{r}
 69 \\
 53 \overline{) 3671} \\
 \underline{318} \\
 --- \\
 491 \\
 \underline{477} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$3671 \div 59 = 62 \text{ remainder } 13$$

| | | |
|----|----|----------------|
| | 62 | |
| 59 | | 3671 |
| | | 354 |
| | | --- |
| | | 131 |
| | | 118 |
| | | --- |
| | | 13 ← remainder |

P₅₁₃ 3673

$$3673 \div 2 = 1836 \text{ remainder } 1$$

$$\begin{array}{r} 1836 \\ 2 \mid 3673 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3673 \div 3 = 1224 \text{ remainder } 1$$

$$\begin{array}{r} 1224 \\ 3 \mid 3673 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3673 \div 5 = 734 \text{ remainder } 3$$

$$\begin{array}{r} 734 \\ 5 \mid 3673 \\ \underline{35} \\ -- \end{array}$$

```

17
15
--
23
20
--
3 ← remainder

```

$$3673 \div 7 = 524 \text{ remainder } 5$$

```

    524
7 | 3673
   35
   --
   17
   14
   --
   33
   28
   --
   5 ← remainder

```

$$3673 \div 11 = 333 \text{ remainder } 10$$

```

    333
11 | 3673
   33
   --
   37
   33
   --
   43
   33
   --
   10 ← remainder

```

$$3673 \div 13 = 282 \text{ remainder } 7$$

```

    282
13 | 3673
   26
   --
   107
   104

```

```

---
33
26
--
7 ← remainder

```

$$3673 \div 17 = 216 \text{ remainder } 1$$

```

    216
17 | 3673
    34
    --
    27
    17
    --
    103
    102
    ---
    1 ← remainder

```

$$3673 \div 19 = 193 \text{ remainder } 6$$

```

    193
19 | 3673
    19
    --
    177
    171
    ---
    63
    57
    --
    6 ← remainder

```

$$3673 \div 23 = 159 \text{ remainder } 16$$

```

    159
23 | 3673
    23
    --
    137
    115
    ---
    223

```

207

16 ← remainder

$$3673 \div 29 = 126 \text{ remainder } 19$$

126
29 | 3673
29

--

77

58

--

193

174

19 ← remainder

$$3673 \div 31 = 118 \text{ remainder } 15$$

118
31 | 3673
31

--

57

31

--

263

248

15 ← remainder

$$3673 \div 37 = 99 \text{ remainder } 10$$

99
37 | 3673
333

343

333

10 ← remainder

$$3673 \div 41 = 89 \text{ remainder } 24$$

$$\begin{array}{r}
 89 \\
 41 \mid 3673 \\
 \underline{328} \\
 --- \\
 393 \\
 \underline{369} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$3673 \div 43 = 85 \text{ remainder } 18$$

$$\begin{array}{r}
 85 \\
 43 \mid 3673 \\
 \underline{344} \\
 --- \\
 233 \\
 \underline{215} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$3673 \div 47 = 78 \text{ remainder } 7$$

$$\begin{array}{r}
 78 \\
 47 \mid 3673 \\
 \underline{329} \\
 --- \\
 383 \\
 \underline{376} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$3673 \div 53 = 69 \text{ remainder } 16$$

$$\begin{array}{r}
 69 \\
 53 \mid 3673 \\
 \underline{318} \\
 --- \\
 493 \\
 \underline{477} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$3673 \div 59 = 62 \text{ remainder } 15$$

```
      62
59 | 3673
    354
    ---
    133
    118
    ---
    15 ← remainder
```


P₅₁₄ 3677

$$3677 \div 2 = 1838 \text{ remainder } 1$$

$$\begin{array}{r} 1838 \\ 2 \mid 3677 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3677 \div 3 = 1225 \text{ remainder } 2$$

$$\begin{array}{r} 1225 \\ 3 \mid 3677 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3677 \div 5 = 735 \text{ remainder } 2$$

$$\begin{array}{r} 735 \\ 5 \mid 3677 \\ \underline{35} \\ -- \end{array}$$

```

17
15
--
27
25
--
2 ← remainder

```

$$3677 \div 7 = 525 \text{ remainder } 2$$

```

    525
7 | 3677
   35
   --
   17
   14
   --
   37
   35
   --
   2 ← remainder

```

$$3677 \div 11 = 334 \text{ remainder } 3$$

```

    334
11 | 3677
   33
   --
   37
   33
   --
   47
   44
   --
   3 ← remainder

```

$$3677 \div 13 = 282 \text{ remainder } 11$$

```

    282
13 | 3677
   26
   --
   107
   104

```

37
26
--

11 ← remainder

$$3677 \div 17 = 216 \text{ remainder } 5$$

216
17 | 3677
34
--
27
17
--
107
102

5 ← remainder

$$3677 \div 19 = 193 \text{ remainder } 10$$

193
19 | 3677
19
--
177
171

67
57
--
10 ← remainder

$$3677 \div 23 = 159 \text{ remainder } 20$$

159
23 | 3677
23
--
137
115

227

207

20 ← remainder

$$3677 \div 29 = 126 \text{ remainder } 23$$

126

29 | 3677

29

--

77

58

--

197

174

23 ← remainder

$$3677 \div 31 = 118 \text{ remainder } 19$$

118

31 | 3677

31

--

57

31

--

267

248

19 ← remainder

$$3677 \div 37 = 99 \text{ remainder } 14$$

99

37 | 3677

333

347

333

14 ← remainder

$$3677 \div 41 = 89 \text{ remainder } 28$$

```

      89
41 | 3677
    328
    ---
    397
    369
    ---
    28 ← remainder

```

$$3677 \div 43 = 85 \text{ remainder } 22$$

```

      85
43 | 3677
    344
    ---
    237
    215
    ---
    22 ← remainder

```

$$3677 \div 47 = 78 \text{ remainder } 11$$

```

      78
47 | 3677
    329
    ---
    387
    376
    ---
    11 ← remainder

```

$$3677 \div 53 = 69 \text{ remainder } 20$$

```

      69
53 | 3677
    318
    ---
    497
    477
    ---
    20 ← remainder

```

$$3677 \div 59 = 62 \text{ remainder } 19$$

```
      62
59 | 3677
    354
    ---
    137
    118
    ---
    19 ← remainder
```

P₅₁₅ 3691

$$3691 \div 2 = 1845 \text{ remainder } 1$$

$$\begin{array}{r} 1845 \\ 2 \mid 3691 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3691 \div 3 = 1230 \text{ remainder } 1$$

$$\begin{array}{r} 1230 \\ 3 \mid 3691 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3691 \div 5 = 738 \text{ remainder } 1$$

$$\begin{array}{r} 738 \\ 5 \mid 3691 \\ \underline{35} \\ -- \end{array}$$

```

19
15
--
41
40
--
1 ← remainder

```

$$3691 \div 7 = 527 \text{ remainder } 2$$

```

    527
7 | 3691
   35
   --
   19
   14
   --
   51
   49
   --
   2 ← remainder

```

$$3691 \div 11 = 335 \text{ remainder } 6$$

```

    335
11 | 3691
   33
   --
   39
   33
   --
   61
   55
   --
   6 ← remainder

```

$$3691 \div 13 = 283 \text{ remainder } 12$$

```

    283
13 | 3691
   26
   --
   109
   104

```

51

39

--

12 ← remainder

$$3691 \div 17 = 217 \text{ remainder } 2$$

217

17 | 3691

34

--

29

17

--

121

119

2 ← remainder

$$3691 \div 19 = 194 \text{ remainder } 5$$

194

19 | 3691

19

--

179

171

81

76

--

5 ← remainder

$$3691 \div 23 = 160 \text{ remainder } 11$$

160

23 | 3691

23

--

139

138

11

0
-
11 ← remainder

$$3691 \div 29 = 127 \text{ remainder } 8$$

127
29 | 3691
29
--
79
58
--
211
203

8 ← remainder

$$3691 \div 31 = 119 \text{ remainder } 2$$

119
31 | 3691
31
--
59
31
--
281
279

2 ← remainder

$$3691 \div 37 = 99 \text{ remainder } 28$$

99
37 | 3691
333

361
333

28 ← remainder

$$3691 \div 41 = 90 \text{ remainder } 1$$

$$\begin{array}{r}
 90 \\
 41 \mid 3691 \\
 \underline{369} \\
 --- \\
 1 \\
 0 \\
 - \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$3691 \div 43 = 85 \text{ remainder } 36$$

$$\begin{array}{r}
 85 \\
 43 \mid 3691 \\
 \underline{344} \\
 --- \\
 251 \\
 \underline{215} \\
 --- \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$3691 \div 47 = 78 \text{ remainder } 25$$

$$\begin{array}{r}
 78 \\
 47 \mid 3691 \\
 \underline{329} \\
 --- \\
 401 \\
 \underline{376} \\
 --- \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$3691 \div 53 = 69 \text{ remainder } 34$$

$$\begin{array}{r}
 69 \\
 53 \mid 3691 \\
 \underline{318} \\
 --- \\
 511 \\
 \underline{477} \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$3691 \div 59 = 62 \text{ remainder } 33$$

```
      62
59 | 3691
    354
    ---
    151
    118
    ---
    33 ← remainder
```

P₅₁₆ 3697

$$3697 \div 2 = 1848 \text{ remainder } 1$$

$$\begin{array}{r} 1848 \\ 2 \mid 3697 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3697 \div 3 = 1232 \text{ remainder } 1$$

$$\begin{array}{r} 1232 \\ 3 \mid 3697 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3697 \div 5 = 739 \text{ remainder } 2$$

$$\begin{array}{r} 739 \\ 5 \mid 3697 \\ \underline{35} \\ -- \end{array}$$

```

19
15
--
47
45
--
2 ← remainder

```

$$3697 \div 7 = 528 \text{ remainder } 1$$

```

      528
7 | 3697
   35
   --
   19
   14
   --
   57
   56
   --
   1 ← remainder

```

$$3697 \div 11 = 336 \text{ remainder } 1$$

```

      336
11 | 3697
   33
   --
   39
   33
   --
   67
   66
   --
   1 ← remainder

```

$$3697 \div 13 = 284 \text{ remainder } 5$$

```

      284
13 | 3697
   26
   --
   109
   104

```

57

52

--

5 ← remainder

$$3697 \div 17 = 217 \text{ remainder } 8$$

217

17 | 3697

34

--

29

17

--

127

119

8 ← remainder

$$3697 \div 19 = 194 \text{ remainder } 11$$

194

19 | 3697

19

--

179

171

87

76

--

11 ← remainder

$$3697 \div 23 = 160 \text{ remainder } 17$$

160

23 | 3697

23

--

139

138

17

0
-
17 ← remainder

$$3697 \div 29 = 127 \text{ remainder } 14$$

127
29 | 3697
29
--
79
58
--
217
203

14 ← remainder

$$3697 \div 31 = 119 \text{ remainder } 8$$

119
31 | 3697
31
--
59
31
--
287
279

8 ← remainder

$$3697 \div 37 = 99 \text{ remainder } 34$$

99
37 | 3697
333

367
333

34 ← remainder

$$3697 \div 41 = 90 \text{ remainder } 7$$

$$\begin{array}{r}
 90 \\
 41 \mid 3697 \\
 \underline{369} \\
 70 \\
 \underline{70} \\
 0 \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$3697 \div 43 = 85 \text{ remainder } 42$$

$$\begin{array}{r}
 85 \\
 43 \mid 3697 \\
 \underline{344} \\
 257 \\
 \underline{215} \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$3697 \div 47 = 78 \text{ remainder } 31$$

$$\begin{array}{r}
 78 \\
 47 \mid 3697 \\
 \underline{329} \\
 407 \\
 \underline{376} \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$3697 \div 53 = 69 \text{ remainder } 40$$

$$\begin{array}{r}
 69 \\
 53 \mid 3697 \\
 \underline{318} \\
 517 \\
 \underline{477} \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$3697 \div 59 = 62 \text{ remainder } 39$$

| | | |
|----|----|----------------|
| | 62 | |
| 59 | | 3697 |
| | | 354 |
| | | --- |
| | | 157 |
| | | 118 |
| | | --- |
| | | 39 ← remainder |

P₅₁₇ 3701

$$3701 \div 2 = 1850 \text{ remainder } 1$$

$$\begin{array}{r} 1850 \\ 2 \mid 3701 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3701 \div 3 = 1233 \text{ remainder } 2$$

$$\begin{array}{r} 1233 \\ 3 \mid 3701 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3701 \div 5 = 740 \text{ remainder } 1$$

$$\begin{array}{r} 740 \\ 5 \mid 3701 \\ \underline{35} \\ - - \end{array}$$

```

20
20
--
1
0
-
1 ← remainder

```

$$3701 \div 7 = 528 \text{ remainder } 5$$

```

    528
7 | 3701
   35
   --
   20
   14
   --
   61
   56
   --
   5 ← remainder

```

$$3701 \div 11 = 336 \text{ remainder } 5$$

```

    336
11 | 3701
   33
   --
   40
   33
   --
   71
   66
   --
   5 ← remainder

```

$$3701 \div 13 = 284 \text{ remainder } 9$$

```

    284
13 | 3701
   26
   --
   110
   104

```

```

---
61
52
--
9 ← remainder

```

$$3701 \div 17 = 217 \text{ remainder } 12$$

```

    217
17 | 3701
    34
   --
    30
    17
   --
    131
    119
   ---
    12 ← remainder

```

$$3701 \div 19 = 194 \text{ remainder } 15$$

```

    194
19 | 3701
    19
   --
    180
    171
   ---
     91
     76
    --
    15 ← remainder

```

$$3701 \div 23 = 160 \text{ remainder } 21$$

```

    160
23 | 3701
    23
   --
    140
    138
   ---
     21

```

0
-
21 ← remainder

$$3701 \div 29 = 127 \text{ remainder } 18$$

127
29 | 3701
29
--
80
58
--
221
203

18 ← remainder

$$3701 \div 31 = 119 \text{ remainder } 12$$

119
31 | 3701
31
--
60
31
--
291
279

12 ← remainder

$$3701 \div 37 = 100 \text{ remainder } 1$$

100
37 | 3701
37
--
0
0
-
1
0

-
1 ← remainder

$$3701 \div 41 = 90 \text{ remainder } 11$$

90
41 | 3701
369

11
0
-

11 ← remainder

$$3701 \div 43 = 86 \text{ remainder } 3$$

86
43 | 3701
344

261
258

3 ← remainder

$$3701 \div 47 = 78 \text{ remainder } 35$$

78
47 | 3701
329

411
376

35 ← remainder

$$3701 \div 53 = 69 \text{ remainder } 44$$

69
53 | 3701
318

521
477

44 ← remainder

$$3701 \div 59 = 62 \text{ remainder } 43$$

$$\begin{array}{r} 62 \\ 59 \overline{) 3701} \\ \underline{354} \end{array}$$

161

118

43 ← remainder

P₅₁₈ 3709

$$3709 \div 2 = 1854 \text{ remainder } 1$$

$$\begin{array}{r} 1854 \\ 2 \mid 3709 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3709 \div 3 = 1236 \text{ remainder } 1$$

$$\begin{array}{r} 1236 \\ 3 \mid 3709 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3709 \div 5 = 741 \text{ remainder } 4$$

$$\begin{array}{r} 741 \\ 5 \mid 3709 \\ \underline{35} \\ - - \end{array}$$

```

20
20
--
9
5
-
4 ← remainder

```

$$3709 \div 7 = 529 \text{ remainder } 6$$

```

    529
7 | 3709
   35
   --
   20
   14
   --
   69
   63
   --
   6 ← remainder

```

$$3709 \div 11 = 337 \text{ remainder } 2$$

```

    337
11 | 3709
   33
   --
   40
   33
   --
   79
   77
   --
   2 ← remainder

```

$$3709 \div 13 = 285 \text{ remainder } 4$$

```

    285
13 | 3709
   26
   --
   110
   104

```

```

---
69
65
--
4 ← remainder

```

$$3709 \div 17 = 218 \text{ remainder } 3$$

```

    218
17 | 3709
    34
   --
    30
    17
   --
    139
    136
   ---
     3 ← remainder

```

$$3709 \div 19 = 195 \text{ remainder } 4$$

```

    195
19 | 3709
    19
   --
    180
    171
   ---
     99
     95
    --
     4 ← remainder

```

$$3709 \div 23 = 161 \text{ remainder } 6$$

```

    161
23 | 3709
    23
   --
    140
    138
   ---
     29

```

23
 --
 6 ← remainder

$$3709 \div 29 = 127 \text{ remainder } 26$$

127
 29 | 3709
 29
 --
 80
 58
 --
 229
 203

 26 ← remainder

$$3709 \div 31 = 119 \text{ remainder } 20$$

119
 31 | 3709
 31
 --
 60
 31
 --
 299
 279

 20 ← remainder

$$3709 \div 37 = 100 \text{ remainder } 9$$

100
 37 | 3709
 37
 --
 0
 0
 -
 9
 0

-
9 ← remainder

$$3709 \div 41 = 90 \text{ remainder } 19$$

90
41 | 3709
369

19
0
-

19 ← remainder

$$3709 \div 43 = 86 \text{ remainder } 11$$

86
43 | 3709
344

269
258

11 ← remainder

$$3709 \div 47 = 78 \text{ remainder } 43$$

78
47 | 3709
329

419
376

43 ← remainder

$$3709 \div 53 = 69 \text{ remainder } 52$$

69
53 | 3709
318

529
477

52 ← remainder

$$3709 \div 59 = 62 \text{ remainder } 51$$

62
59 | 3709
354

169
118

51 ← remainder

P₅₁₉ 3719

$$3719 \div 2 = 1859 \text{ remainder } 1$$

$$\begin{array}{r} 1859 \\ 2 \mid 3719 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3719 \div 3 = 1239 \text{ remainder } 2$$

$$\begin{array}{r} 1239 \\ 3 \mid 3719 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3719 \div 5 = 743 \text{ remainder } 4$$

$$\begin{array}{r} 743 \\ 5 \mid 3719 \\ \underline{35} \\ - - \end{array}$$

21
 20
 --
 19
 15
 --
 4 ← remainder

$$3719 \div 7 = 531 \text{ remainder } 2$$

531
 7 | 3719
 35
 --
 21
 21
 --
 9
 7
 -
 2 ← remainder

$$3719 \div 11 = 338 \text{ remainder } 1$$

338
 11 | 3719
 33
 --
 41
 33
 --
 89
 88
 --
 1 ← remainder

$$3719 \div 13 = 286 \text{ remainder } 1$$

286
 13 | 3719
 26
 --
 111
 104

79
78
--

1 ← remainder

$$3719 \div 17 = 218 \text{ remainder } 13$$

218
17 | 3719
34
--
31
17
--
149
136

13 ← remainder

$$3719 \div 19 = 195 \text{ remainder } 14$$

195
19 | 3719
19
--
181
171

109
95
--
14 ← remainder

$$3719 \div 23 = 161 \text{ remainder } 16$$

161
23 | 3719
23
--
141
138

39

23

--

16 \leftarrow remainder

$$3719 \div 29 = 128 \text{ remainder } 7$$

128
29 | 3719
29

--

81

58

--

239

232

7 \leftarrow remainder

$$3719 \div 31 = 119 \text{ remainder } 30$$

119
31 | 3719
31

--

61

31

--

309

279

30 \leftarrow remainder

$$3719 \div 37 = 100 \text{ remainder } 19$$

100
37 | 3719
37

--

1

0

-

19

0

-
19 ← remainder

$$3719 \div 41 = 90 \text{ remainder } 29$$

90
41 | 3719
369

29
0
-

29 ← remainder

$$3719 \div 43 = 86 \text{ remainder } 21$$

86
43 | 3719
344

279
258

21 ← remainder

$$3719 \div 47 = 79 \text{ remainder } 6$$

79
47 | 3719
329

429
423

6 ← remainder

$$3719 \div 53 = 70 \text{ remainder } 9$$

70
53 | 3719
371

9
0

-
9 ← remainder

$$3719 \div 59 = 63 \text{ remainder } 2$$

63
59 | 3719
354

179
177

2 ← remainder

P₅₂₀ 3727

$$3727 \div 2 = 1863 \text{ remainder } 1$$

$$\begin{array}{r} 1863 \\ 2 \overline{) 3727} \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3727 \div 3 = 1242 \text{ remainder } 1$$

$$\begin{array}{r} 1242 \\ 3 \overline{) 3727} \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3727 \div 5 = 745 \text{ remainder } 2$$

$$\begin{array}{r} 745 \\ 5 \overline{) 3727} \\ \underline{35} \\ -- \end{array}$$

```

22
20
--
27
25
--
2 ← remainder

```

$$3727 \div 7 = 532 \text{ remainder } 3$$

```

    532
7 | 3727
   35
   --
   22
   21
   --
   17
   14
   --
   3 ← remainder

```

$$3727 \div 11 = 338 \text{ remainder } 9$$

```

    338
11 | 3727
   33
   --
   42
   33
   --
   97
   88
   --
   9 ← remainder

```

$$3727 \div 13 = 286 \text{ remainder } 9$$

```

    286
13 | 3727
   26
   --
   112
   104

```

```

  ---
  87
  78
  --
  9 ← remainder

```

$$3727 \div 17 = 219 \text{ remainder } 4$$

```

    219
  17 | 3727
    34
    --
    32
    17
    --
    157
    153
    ---
    4 ← remainder

```

$$3727 \div 19 = 196 \text{ remainder } 3$$

```

    196
  19 | 3727
    19
    --
    182
    171
    ---
    117
    114
    ---
    3 ← remainder

```

$$3727 \div 23 = 162 \text{ remainder } 1$$

```

    162
  23 | 3727
    23
    --
    142
    138
    ---
    47

```

— —

29

— —

58

— —

232

— — —

31

— —

62

— —

0

—

37

— —

0

—

0

-
27 ← remainder

$$3727 \div 41 = 90 \text{ remainder } 37$$

90
41 | 3727
369

37
0
-

37 ← remainder

$$3727 \div 43 = 86 \text{ remainder } 29$$

86
43 | 3727
344

287
258

29 ← remainder

$$3727 \div 47 = 79 \text{ remainder } 14$$

79
47 | 3727
329

437
423

14 ← remainder

$$3727 \div 53 = 70 \text{ remainder } 17$$

70
53 | 3727
371

17
0

-
17 ← remainder

$$3727 \div 59 = 63 \text{ remainder } 10$$

```
    63
59 | 3727
    354
    ---
    187
    177
    ---
    10 ← remainder
```

$$3727 \div 61 = 61 \text{ remainder } 6$$

```
    61
61 | 3727
    366
    ---
    67
    61
    --
    6 ← remainder
```

P₅₂₁ 3733

$$3733 \div 2 = 1866 \text{ remainder } 1$$

$$\begin{array}{r} 1866 \\ 2 \mid 3733 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3733 \div 3 = 1244 \text{ remainder } 1$$

$$\begin{array}{r} 1244 \\ 3 \mid 3733 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3733 \div 5 = 746 \text{ remainder } 3$$

$$\begin{array}{r} 746 \\ 5 \mid 3733 \\ \underline{35} \\ -- \end{array}$$

```

23
20
--
33
30
--
3 ← remainder

```

$$3733 \div 7 = 533 \text{ remainder } 2$$

```

    533
7 | 3733
   35
   --
   23
   21
   --
   23
   21
   --
   2 ← remainder

```

$$3733 \div 11 = 339 \text{ remainder } 4$$

```

    339
11 | 3733
   33
   --
   43
   33
   --
  103
   99
   --
    4 ← remainder

```

$$3733 \div 13 = 287 \text{ remainder } 2$$

```

    287
13 | 3733
   26
   --
   113
   104

```

```

  ---
  93
  91
  --
  2 ← remainder

```

$$3733 \div 17 = 219 \text{ remainder } 10$$

```

    219
17 | 3733
    34
    --
    33
    17
    --
    163
    153
    ---
    10 ← remainder

```

$$3733 \div 19 = 196 \text{ remainder } 9$$

```

    196
19 | 3733
    19
    --
    183
    171
    ---
    123
    114
    ---
    9 ← remainder

```

$$3733 \div 23 = 162 \text{ remainder } 7$$

```

    162
23 | 3733
    23
    --
    143
    138
    ---
    53

```

46
 --
 7 ← remainder

$$3733 \div 29 = 128 \text{ remainder } 21$$

128
 29 | 3733
 29
 --
 83
 58
 --
 253
 232

 21 ← remainder

$$3733 \div 31 = 120 \text{ remainder } 13$$

120
 31 | 3733
 31
 --
 63
 62
 --
 13
 0
 -
 13 ← remainder

$$3733 \div 37 = 100 \text{ remainder } 33$$

100
 37 | 3733
 37
 --
 3
 0
 -
 33
 0

-
33 ← remainder

$$3733 \div 41 = 91 \text{ remainder } 2$$

```

    91
41 | 3733
    369
    ---
     43
     41
     --
      2 ← remainder
```

$$3733 \div 43 = 86 \text{ remainder } 35$$

```

    86
43 | 3733
    344
    ---
     293
     258
     ---
      35 ← remainder
```

$$3733 \div 47 = 79 \text{ remainder } 20$$

```

    79
47 | 3733
    329
    ---
     443
     423
     ---
      20 ← remainder
```

$$3733 \div 53 = 70 \text{ remainder } 23$$

```

    70
53 | 3733
    371
    ---
     23
     0
```

-
23 ← remainder

$$3733 \div 59 = 63 \text{ remainder } 16$$

63
59 | 3733
354

193
177

16 ← remainder

$$3733 \div 61 = 61 \text{ remainder } 12$$

61
61 | 3733
366

73
61
--
12 ← remainder

P₅₂₂ 3739

$$3739 \div 2 = 1869 \text{ remainder } 1$$

$$\begin{array}{r} 1869 \\ 2 \mid 3739 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3739 \div 3 = 1246 \text{ remainder } 1$$

$$\begin{array}{r} 1246 \\ 3 \mid 3739 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3739 \div 5 = 747 \text{ remainder } 4$$

$$\begin{array}{r} 747 \\ 5 \mid 3739 \\ \underline{35} \\ -- \end{array}$$

```

23
20
--
39
35
--
4 ← remainder

```

$$3739 \div 7 = 534 \text{ remainder } 1$$

```

    534
7 | 3739
   35
   --
   23
   21
   --
   29
   28
   --
   1 ← remainder

```

$$3739 \div 11 = 339 \text{ remainder } 10$$

```

    339
11 | 3739
   33
   --
   43
   33
   --
  109
   99
   --
   10 ← remainder

```

$$3739 \div 13 = 287 \text{ remainder } 8$$

```

    287
13 | 3739
   26
   --
   113
   104

```

```

  ---
  99
  91
  --
  8 ← remainder

```

$$3739 \div 17 = 219 \text{ remainder } 16$$

```

    219
  17 | 3739
    34
    --
    33
    17
    --
    169
    153
    ---
    16 ← remainder

```

$$3739 \div 19 = 196 \text{ remainder } 15$$

```

    196
  19 | 3739
    19
    --
    183
    171
    ---
    129
    114
    ---
    15 ← remainder

```

$$3739 \div 23 = 162 \text{ remainder } 13$$

```

    162
  23 | 3739
    23
    --
    143
    138
    ---
    59

```

46

--

13 ← remainder

$$3739 \div 29 = 128 \text{ remainder } 27$$

$$\begin{array}{r} 128 \\ 29 \overline{) 3739} \\ \underline{29} \end{array}$$

--

83

58

--

259

232

27 ← remainder

$$3739 \div 31 = 120 \text{ remainder } 19$$

$$\begin{array}{r} 120 \\ 31 \overline{) 3739} \\ \underline{31} \end{array}$$

--

63

62

--

19

0

-

19 ← remainder

$$3739 \div 37 = 101 \text{ remainder } 2$$

$$\begin{array}{r} 101 \\ 37 \overline{) 3739} \\ \underline{37} \end{array}$$

--

3

0

-

39

37

--
2 ← remainder

$$3739 \div 41 = 91 \text{ remainder } 8$$

91
41 | 3739
369

49
41
--
8 ← remainder

$$3739 \div 43 = 86 \text{ remainder } 41$$

86
43 | 3739
344

299
258

41 ← remainder

$$3739 \div 47 = 79 \text{ remainder } 26$$

79
47 | 3739
329

449
423

26 ← remainder

$$3739 \div 53 = 70 \text{ remainder } 29$$

70
53 | 3739
371

29
0

-
29 ← remainder

$$3739 \div 59 = 63 \text{ remainder } 22$$

```
    63
59 | 3739
    354
    ---
    199
    177
    ---
    22 ← remainder
```

$$3739 \div 61 = 61 \text{ remainder } 18$$

```
    61
61 | 3739
    366
    ---
    79
    61
    --
    18 ← remainder
```

P₅₂₃ 3761

$$3761 \div 2 = 1880 \text{ remainder } 1$$

$$\begin{array}{r} 1880 \\ 2 \mid 3761 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 16 \\ \underline{16} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3761 \div 3 = 1253 \text{ remainder } 2$$

$$\begin{array}{r} 1253 \\ 3 \mid 3761 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3761 \div 5 = 752 \text{ remainder } 1$$

$$\begin{array}{r} 752 \\ 5 \mid 3761 \\ \underline{35} \\ -- \end{array}$$

26
 25
 --
 11
 10
 --
 1 ← remainder

$$3761 \div 7 = 537 \text{ remainder } 2$$

537
 7 | 3761
 35
 --
 26
 21
 --
 51
 49
 --
 2 ← remainder

$$3761 \div 11 = 341 \text{ remainder } 10$$

341
 11 | 3761
 33
 --
 46
 44
 --
 21
 11
 --
 10 ← remainder

$$3761 \div 13 = 289 \text{ remainder } 4$$

289
 13 | 3761
 26
 --
 116
 104


```

  ---
 121
 117
  ---
  4 ← remainder

```

$$3761 \div 17 = 221 \text{ remainder } 4$$

```

    221
 17 | 3761
    34
    --
    36
    34
    --
    21
    17
    --
    4 ← remainder

```

$$3761 \div 19 = 197 \text{ remainder } 18$$

```

    197
 19 | 3761
    19
    --
   186
   171
   ---
   151
   133
   ---
   18 ← remainder

```

$$3761 \div 23 = 163 \text{ remainder } 12$$

```

    163
 23 | 3761
    23
    --
   146
   138
   ---
    81

```

69

--

12 ← remainder

$$3761 \div 29 = 129 \text{ remainder } 20$$

129
29 | 3761
29

--

86

58

--

281

261

20 ← remainder

$$3761 \div 31 = 121 \text{ remainder } 10$$

121
31 | 3761
31

--

66

62

--

41

31

--

10 ← remainder

$$3761 \div 37 = 101 \text{ remainder } 24$$

101
37 | 3761
37

--

6

0

-

61

37

--
24 ← remainder

$$3761 \div 41 = 91 \text{ remainder } 30$$

91
41 | 3761
369

71
41
--
30 ← remainder

$$3761 \div 43 = 87 \text{ remainder } 20$$

87
43 | 3761
344

321
301

20 ← remainder

$$3761 \div 47 = 80 \text{ remainder } 1$$

80
47 | 3761
376

1
0
-
1 ← remainder

$$3761 \div 53 = 70 \text{ remainder } 51$$

70
53 | 3761
371

51
0

-
51 ← remainder

$$3761 \div 59 = 63 \text{ remainder } 44$$

63
59 | 3761
354

221
177

44 ← remainder

$$3761 \div 61 = 61 \text{ remainder } 40$$

61
61 | 3761
366

101
61
--
40 ← remainder

P₅₂₄ 3767

$$3767 \div 2 = 1883 \text{ remainder } 1$$

$$\begin{array}{r} 1883 \\ 2 \mid 3767 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3767 \div 3 = 1255 \text{ remainder } 2$$

$$\begin{array}{r} 1255 \\ 3 \mid 3767 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3767 \div 5 = 753 \text{ remainder } 2$$

$$\begin{array}{r} 753 \\ 5 \mid 3767 \\ \underline{35} \\ -- \end{array}$$

```

26
25
--
17
15
--
2 ← remainder

```

$$3767 \div 7 = 538 \text{ remainder } 1$$

```

    538
7 | 3767
   35
   --
   26
   21
   --
   57
   56
   --
   1 ← remainder

```

$$3767 \div 11 = 342 \text{ remainder } 5$$

```

    342
11 | 3767
   33
   --
   46
   44
   --
   27
   22
   --
   5 ← remainder

```

$$3767 \div 13 = 289 \text{ remainder } 10$$

```

    289
13 | 3767
   26
   --
   116
   104

```

```

  ---
 127
 117
  ---
 10 ← remainder

```

$$3767 \div 17 = 221 \text{ remainder } 10$$

```

    221
17 | 3767
    34
   --
    36
    34
   --
    27
    17
   --
    10 ← remainder

```

$$3767 \div 19 = 198 \text{ remainder } 5$$

```

    198
19 | 3767
    19
   --
   186
   171
   ---
   157
   152
   ---
    5 ← remainder

```

$$3767 \div 23 = 163 \text{ remainder } 18$$

```

    163
23 | 3767
    23
   --
   146
   138
   ---
    87

```

69

--

18 ← remainder

$$3767 \div 29 = 129 \text{ remainder } 26$$

```
      129
29 | 3767
    29
    --
    86
    58
    --
    287
    261
    ---
    26 ← remainder
```

$$3767 \div 31 = 121 \text{ remainder } 16$$

```
      121
31 | 3767
    31
    --
    66
    62
    --
    47
    31
    --
    16 ← remainder
```

$$3767 \div 37 = 101 \text{ remainder } 30$$

```
      101
37 | 3767
    37
    --
     6
     0
     -
    67
    37
```


--
30 ← remainder

$$3767 \div 41 = 91 \text{ remainder } 36$$

91
41 | 3767
369

77
41
--
36 ← remainder

$$3767 \div 43 = 87 \text{ remainder } 26$$

87
43 | 3767
344

327
301

26 ← remainder

$$3767 \div 47 = 80 \text{ remainder } 7$$

80
47 | 3767
376

7
0
-
7 ← remainder

$$3767 \div 53 = 71 \text{ remainder } 4$$

71
53 | 3767
371

57
53

--
4 ← remainder

$$3767 \div 59 = 63 \text{ remainder } 50$$

63
59 | 3767
354

227
177

50 ← remainder

$$3767 \div 61 = 61 \text{ remainder } 46$$

61
61 | 3767
366

107
61

46 ← remainder

P₅₂₅ 3769

$$3769 \div 2 = 1884 \text{ remainder } 1$$

$$\begin{array}{r} 1884 \\ 2 \mid 3769 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3769 \div 3 = 1256 \text{ remainder } 1$$

$$\begin{array}{r} 1256 \\ 3 \mid 3769 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3769 \div 5 = 753 \text{ remainder } 4$$

$$\begin{array}{r} 753 \\ 5 \mid 3769 \\ \underline{35} \\ - - \end{array}$$

```

26
25
--
19
15
--
4 ← remainder

```

$$3769 \div 7 = 538 \text{ remainder } 3$$

```

      538
7 | 3769
   35
   --
   26
   21
   --
   59
   56
   --
   3 ← remainder

```

$$3769 \div 11 = 342 \text{ remainder } 7$$

```

      342
11 | 3769
   33
   --
   46
   44
   --
   29
   22
   --
   7 ← remainder

```

$$3769 \div 13 = 289 \text{ remainder } 12$$

```

      289
13 | 3769
   26
   --
   116
   104

```

```

  ---
 129
 117
  ---
 12 ← remainder

```

$$3769 \div 17 = 221 \text{ remainder } 12$$

```

    221
17 | 3769
    34
   --
    36
    34
   --
    29
    17
   --
    12 ← remainder

```

$$3769 \div 19 = 198 \text{ remainder } 7$$

```

    198
19 | 3769
    19
   --
   186
   171
   ---
   159
   152
   ---
    7 ← remainder

```

$$3769 \div 23 = 163 \text{ remainder } 20$$

```

    163
23 | 3769
    23
   --
   146
   138
   ---
    89

```

69

--

20 ← remainder

$$3769 \div 29 = 129 \text{ remainder } 28$$

129
29 | 3769
29

--

86

58

--

289

261

28 ← remainder

$$3769 \div 31 = 121 \text{ remainder } 18$$

121
31 | 3769
31

--

66

62

--

49

31

--

18 ← remainder

$$3769 \div 37 = 101 \text{ remainder } 32$$

101
37 | 3769
37

--

6

0

-

69

37

--
32 ← remainder

$$3769 \div 41 = 91 \text{ remainder } 38$$

91
41 | 3769
369

79
41
--
38 ← remainder

$$3769 \div 43 = 87 \text{ remainder } 28$$

87
43 | 3769
344

329
301

28 ← remainder

$$3769 \div 47 = 80 \text{ remainder } 9$$

80
47 | 3769
376

9
0
-
9 ← remainder

$$3769 \div 53 = 71 \text{ remainder } 6$$

71
53 | 3769
371

59
53

--
6 ← remainder

$$3769 \div 59 = 63 \text{ remainder } 52$$

63
59 | 3769
354

229
177

52 ← remainder

$$3769 \div 61 = 61 \text{ remainder } 48$$

61
61 | 3769
366

109
61

48 ← remainder

P₅₂₆ 3779

$$3779 \div 2 = 1889 \text{ remainder } 1$$

$$\begin{array}{r} 1889 \\ 2 \mid 3779 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - \\ 17 \\ \underline{16} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3779 \div 3 = 1259 \text{ remainder } 2$$

$$\begin{array}{r} 1259 \\ 3 \mid 3779 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3779 \div 5 = 755 \text{ remainder } 4$$

$$\begin{array}{r} 755 \\ 5 \mid 3779 \\ \underline{35} \\ - \end{array}$$

```

27
25
--
29
25
--
4 ← remainder

```

$$3779 \div 7 = 539 \text{ remainder } 6$$

```

    539
7 | 3779
   35
   --
   27
   21
   --
   69
   63
   --
   6 ← remainder

```

$$3779 \div 11 = 343 \text{ remainder } 6$$

```

    343
11 | 3779
   33
   --
   47
   44
   --
   39
   33
   --
   6 ← remainder

```

$$3779 \div 13 = 290 \text{ remainder } 9$$

```

    290
13 | 3779
   26
   --
   117
   117

```

```

  ---
  9
  0
  -
  9 ← remainder

```

$$3779 \div 17 = 222 \text{ remainder } 5$$

```

    222
  17 | 3779
    34
    --
    37
    34
    --
    39
    34
    --
    5 ← remainder

```

$$3779 \div 19 = 198 \text{ remainder } 17$$

```

    198
  19 | 3779
    19
    --
    187
    171
    ---
    169
    152
    ---
    17 ← remainder

```

$$3779 \div 23 = 164 \text{ remainder } 7$$

```

    164
  23 | 3779
    23
    --
    147
    138
    ---
    99

```

92
 --
 7 ← remainder

$$3779 \div 29 = 130 \text{ remainder } 9$$

130
 29 | 3779
 29
 --
 87
 87
 --
 9
 0
 -
 9 ← remainder

$$3779 \div 31 = 121 \text{ remainder } 28$$

121
 31 | 3779
 31
 --
 67
 62
 --
 59
 31
 --
 28 ← remainder

$$3779 \div 37 = 102 \text{ remainder } 5$$

102
 37 | 3779
 37
 --
 7
 0
 -
 79
 74

--
5 ← remainder

$$3779 \div 41 = 92 \text{ remainder } 7$$

92
41 | 3779
369

89
82
--
7 ← remainder

$$3779 \div 43 = 87 \text{ remainder } 38$$

87
43 | 3779
344

339
301

38 ← remainder

$$3779 \div 47 = 80 \text{ remainder } 19$$

80
47 | 3779
376

19
0
-
19 ← remainder

$$3779 \div 53 = 71 \text{ remainder } 16$$

71
53 | 3779
371

69
53

--
16 ← remainder

$$3779 \div 59 = 64 \text{ remainder } 3$$

64
59 | 3779
354

239
236

3 ← remainder

$$3779 \div 61 = 61 \text{ remainder } 58$$

61
61 | 3779
366

119
61
--
58 ← remainder

P₅₂₇ 3793

$$3793 \div 2 = 1896 \text{ remainder } 1$$

$$\begin{array}{r} 1896 \\ 2 \mid 3793 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3793 \div 3 = 1264 \text{ remainder } 1$$

$$\begin{array}{r} 1264 \\ 3 \mid 3793 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3793 \div 5 = 758 \text{ remainder } 3$$

$$\begin{array}{r} 758 \\ 5 \mid 3793 \\ \underline{35} \\ - - \end{array}$$

```

29
25
--
43
40
--
3 ← remainder

```

$$3793 \div 7 = 541 \text{ remainder } 6$$

```

    541
7 | 3793
   35
   --
   29
   28
   --
   13
    7
    -
    6 ← remainder

```

$$3793 \div 11 = 344 \text{ remainder } 9$$

```

    344
11 | 3793
   33
   --
   49
   44
   --
   53
   44
   --
    9 ← remainder

```

$$3793 \div 13 = 291 \text{ remainder } 10$$

```

    291
13 | 3793
   26
   --
   119
   117

```



```

  ---
  23
  13
  --
  10 ← remainder

```

$$3793 \div 17 = 223 \text{ remainder } 2$$

```

    223
17 | 3793
    34
    --
    39
    34
    --
    53
    51
    --
    2 ← remainder

```

$$3793 \div 19 = 199 \text{ remainder } 12$$

```

    199
19 | 3793
    19
    --
    189
    171
    ---
    183
    171
    ---
    12 ← remainder

```

$$3793 \div 23 = 164 \text{ remainder } 21$$

```

    164
23 | 3793
    23
    --
    149
    138
    ---
    113

```

92

--

21 ← remainder

$$3793 \div 29 = 130 \text{ remainder } 23$$

```
      130
29 | 3793
    29
    --
    89
    87
    --
    23
    0
    -
    23 ← remainder
```

$$3793 \div 31 = 122 \text{ remainder } 11$$

```
      122
31 | 3793
    31
    --
    69
    62
    --
    73
    62
    --
    11 ← remainder
```

$$3793 \div 37 = 102 \text{ remainder } 19$$

```
      102
37 | 3793
    37
    --
    9
    0
    -
    93
    74
```

--
19 ← remainder

$$3793 \div 41 = 92 \text{ remainder } 21$$

92
41 | 3793
369

103
82
--
21 ← remainder

$$3793 \div 43 = 88 \text{ remainder } 9$$

88
43 | 3793
344

353
344

9 ← remainder

$$3793 \div 47 = 80 \text{ remainder } 33$$

80
47 | 3793
376

33
0
-
33 ← remainder

$$3793 \div 53 = 71 \text{ remainder } 30$$

71
53 | 3793
371

83
53

--
30 ← remainder

$$3793 \div 59 = 64 \text{ remainder } 17$$

64
59 | 3793
354

253
236

17 ← remainder

$$3793 \div 61 = 62 \text{ remainder } 11$$

62
61 | 3793
366

133
122

11 ← remainder

P₅₂₈ 3797

$$3797 \div 2 = 1898 \text{ remainder } 1$$

$$\begin{array}{r} 1898 \\ 2 \mid 3797 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3797 \div 3 = 1265 \text{ remainder } 2$$

$$\begin{array}{r} 1265 \\ 3 \mid 3797 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3797 \div 5 = 759 \text{ remainder } 2$$

$$\begin{array}{r} 759 \\ 5 \mid 3797 \\ \underline{35} \\ - - \end{array}$$

```

29
25
--
47
45
--
2 ← remainder

```

$$3797 \div 7 = 542 \text{ remainder } 3$$

```

    542
7 | 3797
   35
   --
   29
   28
   --
   17
   14
   --
   3 ← remainder

```

$$3797 \div 11 = 345 \text{ remainder } 2$$

```

    345
11 | 3797
   33
   --
   49
   44
   --
   57
   55
   --
   2 ← remainder

```

$$3797 \div 13 = 292 \text{ remainder } 1$$

```

    292
13 | 3797
   26
   --
   119
   117

```

 27
 26
 --

1 ← remainder

$$3797 \div 17 = 223 \text{ remainder } 6$$

223
 17 | 3797
 34
 --
 39
 34
 --
 57
 51
 --
 6 ← remainder

$$3797 \div 19 = 199 \text{ remainder } 16$$

199
 19 | 3797
 19
 --
 189
 171

 187
 171

 16 ← remainder

$$3797 \div 23 = 165 \text{ remainder } 2$$

165
 23 | 3797
 23
 --
 149
 138

 117

115

2 ← remainder

$$3797 \div 29 = 130 \text{ remainder } 27$$

130
29 | 3797
29

--

89

87

--

27

0

-

27 ← remainder

$$3797 \div 31 = 122 \text{ remainder } 15$$

122
31 | 3797
31

--

69

62

--

77

62

--

15 ← remainder

$$3797 \div 37 = 102 \text{ remainder } 23$$

102
37 | 3797
37

--

9

0

-

97

74

--
23 ← remainder

$$3797 \div 41 = 92 \text{ remainder } 25$$

92
41 | 3797
369

107
82
--
25 ← remainder

$$3797 \div 43 = 88 \text{ remainder } 13$$

88
43 | 3797
344

357
344

13 ← remainder

$$3797 \div 47 = 80 \text{ remainder } 37$$

80
47 | 3797
376

37
0
-
37 ← remainder

$$3797 \div 53 = 71 \text{ remainder } 34$$

71
53 | 3797
371

87
53

--
34 ← remainder

$$3797 \div 59 = 64 \text{ remainder } 21$$

64
59 | 3797
354

257
236

21 ← remainder

$$3797 \div 61 = 62 \text{ remainder } 15$$

62
61 | 3797
366

137
122

15 ← remainder

P₅₂₉ 3803

$$3803 \div 2 = 1901 \text{ remainder } 1$$

$$\begin{array}{r} 1901 \\ 2 \mid 3803 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ - - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3803 \div 3 = 1267 \text{ remainder } 2$$

$$\begin{array}{r} 1267 \\ 3 \mid 3803 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 20 \\ \underline{18} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3803 \div 5 = 760 \text{ remainder } 3$$

$$\begin{array}{r} 760 \\ 5 \mid 3803 \\ \underline{35} \\ - - \end{array}$$

```

30
30
--
3
0
-
3 ← remainder

```

$$3803 \div 7 = 543 \text{ remainder } 2$$

```

543
7 | 3803
35
--
30
28
--
23
21
--
2 ← remainder

```

$$3803 \div 11 = 345 \text{ remainder } 8$$

```

345
11 | 3803
33
--
50
44
--
63
55
--
8 ← remainder

```

$$3803 \div 13 = 292 \text{ remainder } 7$$

```

292
13 | 3803
26
--
120
117

```

```

  ---
  33
  26
  --
  7 ← remainder

```

$$3803 \div 17 = 223 \text{ remainder } 12$$

```

    223
17 | 3803
    34
    --
    40
    34
    --
    63
    51
    --
    12 ← remainder

```

$$3803 \div 19 = 200 \text{ remainder } 3$$

```

    200
19 | 3803
    38
    --
    0
    0
    -
    3
    0
    -
    3 ← remainder

```

$$3803 \div 23 = 165 \text{ remainder } 8$$

```

    165
23 | 3803
    23
    --
    150
    138
    ---
    123

```

115

8 ← remainder

$$3803 \div 29 = 131 \text{ remainder } 4$$

131

29 | 3803

29

--

90

87

--

33

29

--

4 ← remainder

$$3803 \div 31 = 122 \text{ remainder } 21$$

122

31 | 3803

31

--

70

62

--

83

62

--

21 ← remainder

$$3803 \div 37 = 102 \text{ remainder } 29$$

102

37 | 3803

37

--

10

0

-

103

74

--
29 ← remainder

$$3803 \div 41 = 92 \text{ remainder } 31$$

92
41 | 3803
369

113
82
--
31 ← remainder

$$3803 \div 43 = 88 \text{ remainder } 19$$

88
43 | 3803
344

363
344

19 ← remainder

$$3803 \div 47 = 80 \text{ remainder } 43$$

80
47 | 3803
376

43
0
-
43 ← remainder

$$3803 \div 53 = 71 \text{ remainder } 40$$

71
53 | 3803
371

93
53

--
40 ← remainder

$$3803 \div 59 = 64 \text{ remainder } 27$$

64
59 | 3803
354

263
236

27 ← remainder

$$3803 \div 61 = 62 \text{ remainder } 21$$

62
61 | 3803
366

143
122

21 ← remainder

P₅₃₀ 3821

$$3821 \div 2 = 1910 \text{ remainder } 1$$

$$\begin{array}{r} 1910 \\ 2 \mid 3821 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ - - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3821 \div 3 = 1273 \text{ remainder } 2$$

$$\begin{array}{r} 1273 \\ 3 \mid 3821 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3821 \div 5 = 764 \text{ remainder } 1$$

$$\begin{array}{r} 764 \\ 5 \mid 3821 \\ \underline{35} \\ - - \end{array}$$

```

32
30
--
21
20
--
1 ← remainder

```

$$3821 \div 7 = 545 \text{ remainder } 6$$

```

      545
7 | 3821
   35
   --
   32
   28
   --
   41
   35
   --
   6 ← remainder

```

$$3821 \div 11 = 347 \text{ remainder } 4$$

```

      347
11 | 3821
   33
   --
   52
   44
   --
   81
   77
   --
   4 ← remainder

```

$$3821 \div 13 = 293 \text{ remainder } 12$$

```

      293
13 | 3821
   26
   --
   122
   117

```

51

39

--

12 \leftarrow remainder

$$3821 \div 17 = 224 \text{ remainder } 13$$

224

17 | 3821

34

--

42

34

--

81

68

--

13 \leftarrow remainder

$$3821 \div 19 = 201 \text{ remainder } 2$$

201

19 | 3821

38

--

2

0

-

21

19

--

2 \leftarrow remainder

$$3821 \div 23 = 166 \text{ remainder } 3$$

166

23 | 3821

23

--

152

138

141

138

3 ← remainder

$$3821 \div 29 = 131 \text{ remainder } 22$$

131
29 | 3821
29

--

92

87

--

51

29

--

22 ← remainder

$$3821 \div 31 = 123 \text{ remainder } 8$$

123
31 | 3821
31

--

72

62

--

101

93

--

8 ← remainder

$$3821 \div 37 = 103 \text{ remainder } 10$$

103
37 | 3821
37

--

12

0

-

121

111

10 ← remainder

$$3821 \div 41 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 41 \overline{) 3821} \\ \underline{369} \end{array}$$

131

123

8 ← remainder

$$3821 \div 43 = 88 \text{ remainder } 37$$

$$\begin{array}{r} 88 \\ 43 \overline{) 3821} \\ \underline{344} \end{array}$$

381

344

37 ← remainder

$$3821 \div 47 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 47 \overline{) 3821} \\ \underline{376} \end{array}$$

61

47

--

14 ← remainder

$$3821 \div 53 = 72 \text{ remainder } 5$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3821} \\ \underline{371} \end{array}$$

111

106

5 ← remainder

$$3821 \div 59 = 64 \text{ remainder } 45$$

64
59 | 3821
354

281
236

45 ← remainder

$$3821 \div 61 = 62 \text{ remainder } 39$$

62
61 | 3821
366

161
122

39 ← remainder

P₅₃₁ 3823

$$3823 \div 2 = 1911 \text{ remainder } 1$$

$$\begin{array}{r} 1911 \\ 2 \mid 3823 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3823 \div 3 = 1274 \text{ remainder } 1$$

$$\begin{array}{r} 1274 \\ 3 \mid 3823 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3823 \div 5 = 764 \text{ remainder } 3$$

$$\begin{array}{r} 764 \\ 5 \mid 3823 \\ \underline{35} \\ -- \end{array}$$

```

32
30
--
23
20
--
3 ← remainder

```

$$3823 \div 7 = 546 \text{ remainder } 1$$

```

    546
7 | 3823
   35
   --
   32
   28
   --
   43
   42
   --
   1 ← remainder

```

$$3823 \div 11 = 347 \text{ remainder } 6$$

```

    347
11 | 3823
   33
   --
   52
   44
   --
   83
   77
   --
   6 ← remainder

```

$$3823 \div 13 = 294 \text{ remainder } 1$$

```

    294
13 | 3823
   26
   --
   122
   117

```

 53
 52
 --

1 ← remainder

$$3823 \div 17 = 224 \text{ remainder } 15$$

224
 17 | 3823
 34
 --
 42
 34
 --
 83
 68
 --
 15 ← remainder

$$3823 \div 19 = 201 \text{ remainder } 4$$

201
 19 | 3823
 38
 --
 2
 0
 -
 23
 19
 --
 4 ← remainder

$$3823 \div 23 = 166 \text{ remainder } 5$$

166
 23 | 3823
 23
 --
 152
 138

 143

138

5 ← remainder

$$3823 \div 29 = 131 \text{ remainder } 24$$

131
29 | 3823
29

--

92

87

--

53

29

--

24 ← remainder

$$3823 \div 31 = 123 \text{ remainder } 10$$

123
31 | 3823
31

--

72

62

--

103

93

--

10 ← remainder

$$3823 \div 37 = 103 \text{ remainder } 12$$

103
37 | 3823
37

--

12

0

-

123

111

12 ← remainder

$$3823 \div 41 = 93 \text{ remainder } 10$$

$$\begin{array}{r} 93 \\ 41 \overline{) 3823} \\ \underline{369} \end{array}$$

133

123

10 ← remainder

$$3823 \div 43 = 88 \text{ remainder } 39$$

$$\begin{array}{r} 88 \\ 43 \overline{) 3823} \\ \underline{344} \end{array}$$

383

344

39 ← remainder

$$3823 \div 47 = 81 \text{ remainder } 16$$

$$\begin{array}{r} 81 \\ 47 \overline{) 3823} \\ \underline{376} \end{array}$$

63

47

--

16 ← remainder

$$3823 \div 53 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3823} \\ \underline{371} \end{array}$$

113

106

7 ← remainder

$$3823 \div 59 = 64 \text{ remainder } 47$$

64
59 | 3823
354

283
236

47 ← remainder

$$3823 \div 61 = 62 \text{ remainder } 41$$

62
61 | 3823
366

163
122

41 ← remainder

P₅₃₂ 3833

$$3833 \div 2 = 1916 \text{ remainder } 1$$

$$\begin{array}{r} 1916 \\ 2 \overline{) 3833} \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3833 \div 3 = 1277 \text{ remainder } 2$$

$$\begin{array}{r} 1277 \\ 3 \overline{) 3833} \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3833 \div 5 = 766 \text{ remainder } 3$$

$$\begin{array}{r} 766 \\ 5 \overline{) 3833} \\ \underline{35} \\ -- \end{array}$$

```

33
30
--
33
30
--
3 ← remainder

```

$$3833 \div 7 = 547 \text{ remainder } 4$$

```

547
7 | 3833
35
--
33
28
--
53
49
--
4 ← remainder

```

$$3833 \div 11 = 348 \text{ remainder } 5$$

```

348
11 | 3833
33
--
53
44
--
93
88
--
5 ← remainder

```

$$3833 \div 13 = 294 \text{ remainder } 11$$

```

294
13 | 3833
26
--
123
117

```

63

52

--

11 ← remainder

$$3833 \div 17 = 225 \text{ remainder } 8$$

225

17 | 3833

34

--

43

34

--

93

85

--

8 ← remainder

$$3833 \div 19 = 201 \text{ remainder } 14$$

201

19 | 3833

38

--

3

0

-

33

19

--

14 ← remainder

$$3833 \div 23 = 166 \text{ remainder } 15$$

166

23 | 3833

23

--

153

138

153

138

15 ← remainder

$$3833 \div 29 = 132 \text{ remainder } 5$$

132

29 | 3833

29

--

93

87

--

63

58

--

5 ← remainder

$$3833 \div 31 = 123 \text{ remainder } 20$$

123

31 | 3833

31

--

73

62

--

113

93

--

20 ← remainder

$$3833 \div 37 = 103 \text{ remainder } 22$$

103

37 | 3833

37

--

13

0

-

133

111

22 ← remainder

$$3833 \div 41 = 93 \text{ remainder } 20$$

93
41 | 3833
369

143

123

20 ← remainder

$$3833 \div 43 = 89 \text{ remainder } 6$$

89
43 | 3833
344

393

387

6 ← remainder

$$3833 \div 47 = 81 \text{ remainder } 26$$

81
47 | 3833
376

73

47

--

26 ← remainder

$$3833 \div 53 = 72 \text{ remainder } 17$$

72
53 | 3833
371

123

106

17 ← remainder

$$3833 \div 59 = 64 \text{ remainder } 57$$

64
59 | 3833
354

293
236

57 ← remainder

$$3833 \div 61 = 62 \text{ remainder } 51$$

62
61 | 3833
366

173
122

51 ← remainder

P₅₃₃ 3847

$$3847 \div 2 = 1923 \text{ remainder } 1$$

$$\begin{array}{r} 1923 \\ 2 \mid 3847 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3847 \div 3 = 1282 \text{ remainder } 1$$

$$\begin{array}{r} 1282 \\ 3 \mid 3847 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 24 \\ \underline{24} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3847 \div 5 = 769 \text{ remainder } 2$$

$$\begin{array}{r} 769 \\ 5 \mid 3847 \\ \underline{35} \\ -- \end{array}$$

```

34
30
--
47
45
--
2 ← remainder

```

$$3847 \div 7 = 549 \text{ remainder } 4$$

```

    549
7 | 3847
   35
   --
   34
   28
   --
   67
   63
   --
   4 ← remainder

```

$$3847 \div 11 = 349 \text{ remainder } 8$$

```

    349
11 | 3847
   33
   --
   54
   44
   --
  107
   99
   --
   8 ← remainder

```

$$3847 \div 13 = 295 \text{ remainder } 12$$

```

    295
13 | 3847
   26
   --
  124
  117

```

```

  ---
  77
  65
  --
  12 ← remainder

```

$$3847 \div 17 = 226 \text{ remainder } 5$$

```

    226
  17 | 3847
     34
     --
     44
     34
     --
     107
     102
     ---
     5 ← remainder

```

$$3847 \div 19 = 202 \text{ remainder } 9$$

```

    202
  19 | 3847
     38
     --
     4
     0
     -
     47
     38
     --
     9 ← remainder

```

$$3847 \div 23 = 167 \text{ remainder } 6$$

```

    167
  23 | 3847
     23
     --
     154
     138
     ---
     167

```

161

 6 ← remainder

$$3847 \div 29 = 132 \text{ remainder } 19$$

132
 29 | 3847
 29
 --
 94
 87
 --
 77
 58
 --
 19 ← remainder

$$3847 \div 31 = 124 \text{ remainder } 3$$

124
 31 | 3847
 31
 --
 74
 62
 --
 127
 124

 3 ← remainder

$$3847 \div 37 = 103 \text{ remainder } 36$$

103
 37 | 3847
 37
 --
 14
 0
 -
 147
 111

36 ← remainder

$$3847 \div 41 = 93 \text{ remainder } 34$$

93
41 | 3847
369

157
123

34 ← remainder

$$3847 \div 43 = 89 \text{ remainder } 20$$

89
43 | 3847
344

407
387

20 ← remainder

$$3847 \div 47 = 81 \text{ remainder } 40$$

81
47 | 3847
376

87
47
--
40 ← remainder

$$3847 \div 53 = 72 \text{ remainder } 31$$

72
53 | 3847
371

137
106

31 ← remainder

$$3847 \div 59 = 65 \text{ remainder } 12$$

65
59 | 3847
354

307
295

12 ← remainder

$$3847 \div 61 = 63 \text{ remainder } 4$$

63
61 | 3847
366

187
183

4 ← remainder

P₅₃₄ 3851

$$3851 \div 2 = 1925 \text{ remainder } 1$$

$$\begin{array}{r} 1925 \\ 2 \overline{) 3851} \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3851 \div 3 = 1283 \text{ remainder } 2$$

$$\begin{array}{r} 1283 \\ 3 \overline{) 3851} \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 25 \\ \underline{24} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3851 \div 5 = 770 \text{ remainder } 1$$

$$\begin{array}{r} 770 \\ 5 \overline{) 3851} \\ \underline{35} \\ -- \end{array}$$

```

35
35
--
1
0
-
1 ← remainder

```

$$3851 \div 7 = 550 \text{ remainder } 1$$

```

550
7 | 3851
35
--
35
35
--
1
0
-
1 ← remainder

```

$$3851 \div 11 = 350 \text{ remainder } 1$$

```

350
11 | 3851
33
--
55
55
--
1
0
-
1 ← remainder

```

$$3851 \div 13 = 296 \text{ remainder } 3$$

```

296
13 | 3851
26
--
125
117

```

```

  ---
  81
  78
  --
  3 ← remainder

```

$$3851 \div 17 = 226 \text{ remainder } 9$$

```

    226
  17 | 3851
     34
     --
     45
     34
     --
     111
     102
     ---
     9 ← remainder

```

$$3851 \div 19 = 202 \text{ remainder } 13$$

```

    202
  19 | 3851
     38
     --
      5
      0
      -
      51
      38
      --
     13 ← remainder

```

$$3851 \div 23 = 167 \text{ remainder } 10$$

```

    167
  23 | 3851
     23
     --
     155
     138
     ---
     171

```

161

 10 ← remainder

$$3851 \div 29 = 132 \text{ remainder } 23$$

132
 29 | 3851
 29
 --
 95
 87
 --
 81
 58
 --
 23 ← remainder

$$3851 \div 31 = 124 \text{ remainder } 7$$

124
 31 | 3851
 31
 --
 75
 62
 --
 131
 124

 7 ← remainder

$$3851 \div 37 = 104 \text{ remainder } 3$$

104
 37 | 3851
 37
 --
 15
 0
 -
 151
 148

3 ← remainder

$$3851 \div 41 = 93 \text{ remainder } 38$$

93
41 | 3851
369

161
123

38 ← remainder

$$3851 \div 43 = 89 \text{ remainder } 24$$

89
43 | 3851
344

411
387

24 ← remainder

$$3851 \div 47 = 81 \text{ remainder } 44$$

81
47 | 3851
376

91
47
--
44 ← remainder

$$3851 \div 53 = 72 \text{ remainder } 35$$

72
53 | 3851
371

141
106

35 ← remainder

$$3851 \div 59 = 65 \text{ remainder } 16$$

65
59 | 3851
354

311
295

16 ← remainder

$$3851 \div 61 = 63 \text{ remainder } 8$$

63
61 | 3851
366

191
183

8 ← remainder

P₅₃₅ 3853

$$3853 \div 2 = 1926 \text{ remainder } 1$$

$$\begin{array}{r} 1926 \\ 2 \mid 3853 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3853 \div 3 = 1284 \text{ remainder } 1$$

$$\begin{array}{r} 1284 \\ 3 \mid 3853 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 25 \\ \underline{24} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3853 \div 5 = 770 \text{ remainder } 3$$

$$\begin{array}{r} 770 \\ 5 \mid 3853 \\ \underline{35} \\ -- \end{array}$$

```

35
35
--
3
0
-
3 ← remainder

```

$$3853 \div 7 = 550 \text{ remainder } 3$$

```

550
7 | 3853
35
--
35
35
--
3
0
-
3 ← remainder

```

$$3853 \div 11 = 350 \text{ remainder } 3$$

```

350
11 | 3853
33
--
55
55
--
3
0
-
3 ← remainder

```

$$3853 \div 13 = 296 \text{ remainder } 5$$

```

296
13 | 3853
26
--
125
117

```



```

  ---
  83
  78
  --
  5 ← remainder

```

$$3853 \div 17 = 226 \text{ remainder } 11$$

```

    226
17 | 3853
    34
    --
    45
    34
    --
    113
    102
    ---
    11 ← remainder

```

$$3853 \div 19 = 202 \text{ remainder } 15$$

```

    202
19 | 3853
    38
    --
    5
    0
    -
    53
    38
    --
    15 ← remainder

```

$$3853 \div 23 = 167 \text{ remainder } 12$$

```

    167
23 | 3853
    23
    --
    155
    138
    ---
    173

```

161

12 \leftarrow remainder

$$3853 \div 29 = 132 \text{ remainder } 25$$

132
29 | 3853
29

--

95

87

--

83

58

--

25 \leftarrow remainder

$$3853 \div 31 = 124 \text{ remainder } 9$$

124
31 | 3853
31

--

75

62

--

133

124

9 \leftarrow remainder

$$3853 \div 37 = 104 \text{ remainder } 5$$

104
37 | 3853
37

--

15

0

-

153

148

5 ← remainder

$$3853 \div 41 = 93 \text{ remainder } 40$$

93
41 | 3853
369

163
123

40 ← remainder

$$3853 \div 43 = 89 \text{ remainder } 26$$

89
43 | 3853
344

413
387

26 ← remainder

$$3853 \div 47 = 81 \text{ remainder } 46$$

81
47 | 3853
376

93
47
--
46 ← remainder

$$3853 \div 53 = 72 \text{ remainder } 37$$

72
53 | 3853
371

143
106

37 ← remainder

$$3853 \div 59 = 65 \text{ remainder } 18$$

65
59 | 3853
354

313
295

18 ← remainder

$$3853 \div 61 = 63 \text{ remainder } 10$$

63
61 | 3853
366

193
183

10 ← remainder

P₅₃₆ 3863

$$3863 \div 2 = 1931 \text{ remainder } 1$$

$$\begin{array}{r} 1931 \\ 2 \mid 3863 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3863 \div 3 = 1287 \text{ remainder } 2$$

$$\begin{array}{r} 1287 \\ 3 \mid 3863 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 26 \\ \underline{24} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3863 \div 5 = 772 \text{ remainder } 3$$

$$\begin{array}{r} 772 \\ 5 \mid 3863 \\ \underline{35} \\ -- \end{array}$$

```

36
35
--
13
10
--
3 ← remainder

```

$$3863 \div 7 = 551 \text{ remainder } 6$$

```

  551
7 | 3863
  35
  --
   36
   35
   --
    13
    7
    -
    6 ← remainder

```

$$3863 \div 11 = 351 \text{ remainder } 2$$

```

  351
11 | 3863
   33
   --
    56
    55
    --
     13
     11
     --
      2 ← remainder

```

$$3863 \div 13 = 297 \text{ remainder } 2$$

```

  297
13 | 3863
   26
   --
    126
    117

```

```

  ---
  93
  91
  --
  2 ← remainder

```

$$3863 \div 17 = 227 \text{ remainder } 4$$

```

    227
17 | 3863
    34
    --
    46
    34
    --
    123
    119
    ---
    4 ← remainder

```

$$3863 \div 19 = 203 \text{ remainder } 6$$

```

    203
19 | 3863
    38
    --
    6
    0
    -
    63
    57
    --
    6 ← remainder

```

$$3863 \div 23 = 167 \text{ remainder } 22$$

```

    167
23 | 3863
    23
    --
    156
    138
    ---
    183

```

161

22 ← remainder

$$3863 \div 29 = 133 \text{ remainder } 6$$

133
29 | 3863
29

--

96

87

--

93

87

--

6 ← remainder

$$3863 \div 31 = 124 \text{ remainder } 19$$

124
31 | 3863
31

--

76

62

--

143

124

19 ← remainder

$$3863 \div 37 = 104 \text{ remainder } 15$$

104
37 | 3863
37

--

16

0

-

163

148

15 ← remainder

$$3863 \div 41 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 41 \overline{) 3863} \\ \underline{369} \end{array}$$

173

164

9 ← remainder

$$3863 \div 43 = 89 \text{ remainder } 36$$

$$\begin{array}{r} 89 \\ 43 \overline{) 3863} \\ \underline{344} \end{array}$$

423

387

36 ← remainder

$$3863 \div 47 = 82 \text{ remainder } 9$$

$$\begin{array}{r} 82 \\ 47 \overline{) 3863} \\ \underline{376} \end{array}$$

103

94

--

9 ← remainder

$$3863 \div 53 = 72 \text{ remainder } 47$$

$$\begin{array}{r} 72 \\ 53 \overline{) 3863} \\ \underline{371} \end{array}$$

153

106

47 ← remainder

$$3863 \div 59 = 65 \text{ remainder } 28$$

65
59 | 3863
354

323
295

28 ← remainder

$$3863 \div 61 = 63 \text{ remainder } 20$$

63
61 | 3863
366

203
183

20 ← remainder

P₅₃₇ 3877

$$3877 \div 2 = 1938 \text{ remainder } 1$$

$$\begin{array}{r} 1938 \\ 2 \mid 3877 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3877 \div 3 = 1292 \text{ remainder } 1$$

$$\begin{array}{r} 1292 \\ 3 \mid 3877 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 27 \\ \underline{27} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3877 \div 5 = 775 \text{ remainder } 2$$

$$\begin{array}{r} 775 \\ 5 \mid 3877 \\ \underline{35} \\ -- \end{array}$$

```

37
35
--
27
25
--
2 ← remainder

```

$$3877 \div 7 = 553 \text{ remainder } 6$$

```

      553
7 | 3877
   35
   --
   37
   35
   --
   27
   21
   --
   6 ← remainder

```

$$3877 \div 11 = 352 \text{ remainder } 5$$

```

      352
11 | 3877
   33
   --
   57
   55
   --
   27
   22
   --
   5 ← remainder

```

$$3877 \div 13 = 298 \text{ remainder } 3$$

```

      298
13 | 3877
   26
   --
   127
   117

```

```

  ---
107
104
  ---
3 ← remainder

```

$$3877 \div 17 = 228 \text{ remainder } 1$$

```

  228
17 | 3877
   34
   --
   47
   34
   --
   137
   136
   ---
   1 ← remainder

```

$$3877 \div 19 = 204 \text{ remainder } 1$$

```

  204
19 | 3877
   38
   --
   7
   0
   -
   77
   76
   --
   1 ← remainder

```

$$3877 \div 23 = 168 \text{ remainder } 13$$

```

  168
23 | 3877
   23
   --
   157
   138
   ---
   197

```

184

13 ← remainder

$$3877 \div 29 = 133 \text{ remainder } 20$$

133

29 | 3877

29

--

97

87

--

107

87

--

20 ← remainder

$$3877 \div 31 = 125 \text{ remainder } 2$$

125

31 | 3877

31

--

77

62

--

157

155

2 ← remainder

$$3877 \div 37 = 104 \text{ remainder } 29$$

104

37 | 3877

37

--

17

0

-

177

148

29 ← remainder

$$3877 \div 41 = 94 \text{ remainder } 23$$

94
41 | 3877
369

187
164

23 ← remainder

$$3877 \div 43 = 90 \text{ remainder } 7$$

90
43 | 3877
387

7
0
-
7 ← remainder

$$3877 \div 47 = 82 \text{ remainder } 23$$

82
47 | 3877
376

117
94
--
23 ← remainder

$$3877 \div 53 = 73 \text{ remainder } 8$$

73
53 | 3877
371

167
159

8 ← remainder

$$3877 \div 59 = 65 \text{ remainder } 42$$

65
59 | 3877
354

337
295

42 ← remainder

$$3877 \div 61 = 63 \text{ remainder } 34$$

63
61 | 3877
366

217
183

34 ← remainder

P₅₃₈ 3881

$$3881 \div 2 = 1940 \text{ remainder } 1$$

$$\begin{array}{r} 1940 \\ 2 \mid 3881 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ - - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3881 \div 3 = 1293 \text{ remainder } 2$$

$$\begin{array}{r} 1293 \\ 3 \mid 3881 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 28 \\ \underline{27} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3881 \div 5 = 776 \text{ remainder } 1$$

$$\begin{array}{r} 776 \\ 5 \mid 3881 \\ \underline{35} \\ - - \end{array}$$

```

38
35
--
31
30
--
1 ← remainder

```

$$3881 \div 7 = 554 \text{ remainder } 3$$

```

    554
7 | 3881
   35
   --
   38
   35
   --
   31
   28
   --
   3 ← remainder

```

$$3881 \div 11 = 352 \text{ remainder } 9$$

```

    352
11 | 3881
   33
   --
   58
   55
   --
   31
   22
   --
   9 ← remainder

```

$$3881 \div 13 = 298 \text{ remainder } 7$$

```

    298
13 | 3881
   26
   --
   128
   117

```

```

  ---
 111
 104
  ---
 7 ← remainder

```

$$3881 \div 17 = 228 \text{ remainder } 5$$

```

    228
 17 | 3881
    34
    --
    48
    34
    --
    141
    136
    ---
    5 ← remainder

```

$$3881 \div 19 = 204 \text{ remainder } 5$$

```

    204
 19 | 3881
    38
    --
    8
    0
    -
    81
    76
    --
    5 ← remainder

```

$$3881 \div 23 = 168 \text{ remainder } 17$$

```

    168
 23 | 3881
    23
    --
    158
    138
    ---
    201

```

184

17 ← remainder

$$3881 \div 29 = 133 \text{ remainder } 24$$

133
29 | 3881
29

--

98

87

--

111

87

--

24 ← remainder

$$3881 \div 31 = 125 \text{ remainder } 6$$

125
31 | 3881
31

--

78

62

--

161

155

6 ← remainder

$$3881 \div 37 = 104 \text{ remainder } 33$$

104
37 | 3881
37

--

18

0

-

181

148

33 ← remainder

$$3881 \div 41 = 94 \text{ remainder } 27$$

94
41 | 3881
369

191
164

27 ← remainder

$$3881 \div 43 = 90 \text{ remainder } 11$$

90
43 | 3881
387

11
0
-
11 ← remainder

$$3881 \div 47 = 82 \text{ remainder } 27$$

82
47 | 3881
376

121
94
--
27 ← remainder

$$3881 \div 53 = 73 \text{ remainder } 12$$

73
53 | 3881
371

171
159

12 ← remainder

$$3881 \div 59 = 65 \text{ remainder } 46$$

65

59 | 3881

354

341

295

46 ← remainder

$$3881 \div 61 = 63 \text{ remainder } 38$$

63

61 | 3881

366

221

183

38 ← remainder

P₅₃₉ 3889

$$3889 \div 2 = 1944 \text{ remainder } 1$$

$$\begin{array}{r} 1944 \\ 2 \overline{) 3889} \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ - - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3889 \div 3 = 1296 \text{ remainder } 1$$

$$\begin{array}{r} 1296 \\ 3 \overline{) 3889} \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 28 \\ \underline{27} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3889 \div 5 = 777 \text{ remainder } 4$$

$$\begin{array}{r} 777 \\ 5 \overline{) 3889} \\ \underline{35} \\ - - \end{array}$$

```

38
35
--
39
35
--
4 ← remainder

```

$$3889 \div 7 = 555 \text{ remainder } 4$$

```

      555
7 | 3889
   35
   --
   38
   35
   --
   39
   35
   --
   4 ← remainder

```

$$3889 \div 11 = 353 \text{ remainder } 6$$

```

      353
11 | 3889
   33
   --
   58
   55
   --
   39
   33
   --
   6 ← remainder

```

$$3889 \div 13 = 299 \text{ remainder } 2$$

```

      299
13 | 3889
   26
   --
   128
   117

```



```

  ---
 119
 117
  ---
  2 ← remainder

```

$$3889 \div 17 = 228 \text{ remainder } 13$$

```

    228
17 | 3889
    34
   --
    48
    34
   --
   149
   136
   ---
   13 ← remainder

```

$$3889 \div 19 = 204 \text{ remainder } 13$$

```

    204
19 | 3889
    38
   --
    8
    0
   -
   89
   76
   --
   13 ← remainder

```

$$3889 \div 23 = 169 \text{ remainder } 2$$

```

    169
23 | 3889
    23
   --
   158
   138
   ---
   209

```

207

2 ← remainder

$$3889 \div 29 = 134 \text{ remainder } 3$$

134

29 | 3889

29

--

98

87

--

119

116

3 ← remainder

$$3889 \div 31 = 125 \text{ remainder } 14$$

125

31 | 3889

31

--

78

62

--

169

155

14 ← remainder

$$3889 \div 37 = 105 \text{ remainder } 4$$

105

37 | 3889

37

--

18

0

-

189

185

4 ← remainder

$$3889 \div 41 = 94 \text{ remainder } 35$$

94
41 | 3889
369

199
164

35 ← remainder

$$3889 \div 43 = 90 \text{ remainder } 19$$

90
43 | 3889
387

19
0
-
19 ← remainder

$$3889 \div 47 = 82 \text{ remainder } 35$$

82
47 | 3889
376

129
94
--
35 ← remainder

$$3889 \div 53 = 73 \text{ remainder } 20$$

73
53 | 3889
371

179
159

20 ← remainder

$$3889 \div 59 = 65 \text{ remainder } 54$$

65
59 | 3889
354

349
295

54 ← remainder

$$3889 \div 61 = 63 \text{ remainder } 46$$

63
61 | 3889
366

229
183

46 ← remainder

P₅₄₀ 3907

$$3907 \div 2 = 1953 \text{ remainder } 1$$

$$\begin{array}{r} 1953 \\ 2 \mid 3907 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 10 \\ \underline{10} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3907 \div 3 = 1302 \text{ remainder } 1$$

$$\begin{array}{r} 1302 \\ 3 \mid 3907 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3907 \div 5 = 781 \text{ remainder } 2$$

$$\begin{array}{r} 781 \\ 5 \mid 3907 \\ \underline{35} \\ -- \end{array}$$

```

40
40
--
7
5
-
2 ← remainder

```

$$3907 \div 7 = 558 \text{ remainder } 1$$

```

558
7 | 3907
35
--
40
35
--
57
56
--
1 ← remainder

```

$$3907 \div 11 = 355 \text{ remainder } 2$$

```

355
11 | 3907
33
--
60
55
--
57
55
--
2 ← remainder

```

$$3907 \div 13 = 300 \text{ remainder } 7$$

```

300
13 | 3907
39
--
0
0

```

```

-
7
0
-
7 ← remainder

```

$$3907 \div 17 = 229 \text{ remainder } 14$$

```

      229
17 | 3907
    34
    --
     50
     34
     --
     167
     153
     ---
      14 ← remainder

```

$$3907 \div 19 = 205 \text{ remainder } 12$$

```

      205
19 | 3907
    38
    --
     10
     0
     -
     107
     95
     --
      12 ← remainder

```

$$3907 \div 23 = 169 \text{ remainder } 20$$

```

      169
23 | 3907
    23
    --
     160
     138
     ---
      227

```

207

20 ← remainder

$$3907 \div 29 = 134 \text{ remainder } 21$$

134

29 | 3907

29

--

100

87

--

137

116

21 ← remainder

$$3907 \div 31 = 126 \text{ remainder } 1$$

126

31 | 3907

31

--

80

62

--

187

186

1 ← remainder

$$3907 \div 37 = 105 \text{ remainder } 22$$

105

37 | 3907

37

--

20

0

-

207

185

22 ← remainder

$$3907 \div 41 = 95 \text{ remainder } 12$$

95
41 | 3907
369

217
205

12 ← remainder

$$3907 \div 43 = 90 \text{ remainder } 37$$

90
43 | 3907
387

37
0
-
37 ← remainder

$$3907 \div 47 = 83 \text{ remainder } 6$$

83
47 | 3907
376

147
141

6 ← remainder

$$3907 \div 53 = 73 \text{ remainder } 38$$

73
53 | 3907
371

197
159

38 ← remainder

$$3907 \div 59 = 66 \text{ remainder } 13$$

66
59 | 3907
354

367
354

13 ← remainder

$$3907 \div 61 = 64 \text{ remainder } 3$$

64
61 | 3907
366

247
244

3 ← remainder

P₅₄₁ 3911

$$3911 \div 2 = 1955 \text{ remainder } 1$$

$$\begin{array}{r} 1955 \\ 2 \mid 3911 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3911 \div 3 = 1303 \text{ remainder } 2$$

$$\begin{array}{r} 1303 \\ 3 \mid 3911 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3911 \div 5 = 782 \text{ remainder } 1$$

$$\begin{array}{r} 782 \\ 5 \mid 3911 \\ \underline{35} \\ - - \end{array}$$

```

41
40
--
11
10
--
1 ← remainder

```

$$3911 \div 7 = 558 \text{ remainder } 5$$

```

      558
7 | 3911
   35
   --
   41
   35
   --
   61
   56
   --
   5 ← remainder

```

$$3911 \div 11 = 355 \text{ remainder } 6$$

```

      355
11 | 3911
   33
   --
   61
   55
   --
   61
   55
   --
   6 ← remainder

```

$$3911 \div 13 = 300 \text{ remainder } 11$$

```

      300
13 | 3911
   39
   --
   1
   0

```

```

-
11
0
-
11 ← remainder

```

$$3911 \div 17 = 230 \text{ remainder } 1$$

```

      230
17 | 3911
    34
    --
     51
     51
     --
      1
      0
      -
      1 ← remainder

```

$$3911 \div 19 = 205 \text{ remainder } 16$$

```

      205
19 | 3911
    38
    --
     11
     0
     -
    111
    95
    --
     16 ← remainder

```

$$3911 \div 23 = 170 \text{ remainder } 1$$

```

      170
23 | 3911
    23
    --
    161
    161
    ---
     1

```

0
-
1 ← remainder

$$3911 \div 29 = 134 \text{ remainder } 25$$

```

      134
29 | 3911
    29
    --
    101
    87
    --
    141
    116
    ---
    25 ← remainder

```

$$3911 \div 31 = 126 \text{ remainder } 5$$

```

      126
31 | 3911
    31
    --
    81
    62
    --
    191
    186
    ---
    5 ← remainder

```

$$3911 \div 37 = 105 \text{ remainder } 26$$

```

      105
37 | 3911
    37
    --
    21
    0
    -
    211
    185

```

26 ← remainder

$$3911 \div 41 = 95 \text{ remainder } 16$$

95
41 | 3911
369

221
205

16 ← remainder

$$3911 \div 43 = 90 \text{ remainder } 41$$

90
43 | 3911
387

41
0
-
41 ← remainder

$$3911 \div 47 = 83 \text{ remainder } 10$$

83
47 | 3911
376

151
141

10 ← remainder

$$3911 \div 53 = 73 \text{ remainder } 42$$

73
53 | 3911
371

201
159

42 ← remainder

$$3911 \div 59 = 66 \text{ remainder } 17$$

66
59 | 3911
354

371
354

17 ← remainder

$$3911 \div 61 = 64 \text{ remainder } 7$$

64
61 | 3911
366

251
244

7 ← remainder

P₅₄₂ 3917

$$3917 \div 2 = 1958 \text{ remainder } 1$$

$$\begin{array}{r} 1958 \\ 2 \mid 3917 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3917 \div 3 = 1305 \text{ remainder } 2$$

$$\begin{array}{r} 1305 \\ 3 \mid 3917 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3917 \div 5 = 783 \text{ remainder } 2$$

$$\begin{array}{r} 783 \\ 5 \mid 3917 \\ \underline{35} \\ -- \end{array}$$

```

41
40
--
17
15
--
2 ← remainder

```

$$3917 \div 7 = 559 \text{ remainder } 4$$

```

  559
7 | 3917
  35
  --
  41
  35
  --
  67
  63
  --
  4 ← remainder

```

$$3917 \div 11 = 356 \text{ remainder } 1$$

```

  356
11 | 3917
   33
   --
   61
   55
   --
   67
   66
   --
   1 ← remainder

```

$$3917 \div 13 = 301 \text{ remainder } 4$$

```

  301
13 | 3917
   39
   --
   1
   0

```

```

-
17
13
--
4 ← remainder

```

$$3917 \div 17 = 230 \text{ remainder } 7$$

```

      230
17 | 3917
    34
    --
    51
    51
    --
    7
    0
    -
    7 ← remainder

```

$$3917 \div 19 = 206 \text{ remainder } 3$$

```

      206
19 | 3917
    38
    --
    11
    0
    -
    117
    114
    ---
    3 ← remainder

```

$$3917 \div 23 = 170 \text{ remainder } 7$$

```

      170
23 | 3917
    23
    --
    161
    161
    ---
    7

```

0
-
7 ← remainder

$$3917 \div 29 = 135 \text{ remainder } 2$$

135
29 | 3917
29
--
101
87
--
147
145
--
2 ← remainder

$$3917 \div 31 = 126 \text{ remainder } 11$$

126
31 | 3917
31
--
81
62
--
197
186
--
11 ← remainder

$$3917 \div 37 = 105 \text{ remainder } 32$$

105
37 | 3917
37
--
21
0
-
217
185

32 ← remainder

$$3917 \div 41 = 95 \text{ remainder } 22$$

95
41 | 3917
369

227
205

22 ← remainder

$$3917 \div 43 = 91 \text{ remainder } 4$$

91
43 | 3917
387

47
43
--
4 ← remainder

$$3917 \div 47 = 83 \text{ remainder } 16$$

83
47 | 3917
376

157
141

16 ← remainder

$$3917 \div 53 = 73 \text{ remainder } 48$$

73
53 | 3917
371

207
159

48 ← remainder

$$3917 \div 59 = 66 \text{ remainder } 23$$

66
59 | 3917
354

377
354

23 ← remainder

$$3917 \div 61 = 64 \text{ remainder } 13$$

64
61 | 3917
366

257
244

13 ← remainder

P₅₄₃ 3919

$$3919 \div 2 = 1959 \text{ remainder } 1$$

$$\begin{array}{r} 1959 \\ 2 \mid 3919 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3919 \div 3 = 1306 \text{ remainder } 1$$

$$\begin{array}{r} 1306 \\ 3 \mid 3919 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3919 \div 5 = 783 \text{ remainder } 4$$

$$\begin{array}{r} 783 \\ 5 \mid 3919 \\ \underline{35} \\ -- \end{array}$$

```

41
40
--
19
15
--
4 ← remainder

```

$$3919 \div 7 = 559 \text{ remainder } 6$$

```

  559
7 | 3919
  35
  --
  41
  35
  --
  69
  63
  --
  6 ← remainder

```

$$3919 \div 11 = 356 \text{ remainder } 3$$

```

  356
11 | 3919
   33
   --
   61
   55
   --
   69
   66
   --
   3 ← remainder

```

$$3919 \div 13 = 301 \text{ remainder } 6$$

```

  301
13 | 3919
   39
   --
   1
   0

```



```

-
19
13
--
6 ← remainder

```

$$3919 \div 17 = 230 \text{ remainder } 9$$

```

      230
17 | 3919
    34
    --
    51
    51
    --
    9
    0
    -
    9 ← remainder

```

$$3919 \div 19 = 206 \text{ remainder } 5$$

```

      206
19 | 3919
    38
    --
    11
    0
    -
    119
    114
    ---
    5 ← remainder

```

$$3919 \div 23 = 170 \text{ remainder } 9$$

```

      170
23 | 3919
    23
    --
    161
    161
    ---
    9

```

0
-
9 ← remainder

$$3919 \div 29 = 135 \text{ remainder } 4$$

135
29 | 3919
29
--
101
87
--
149
145

4 ← remainder

$$3919 \div 31 = 126 \text{ remainder } 13$$

126
31 | 3919
31
--
81
62
--
199
186

13 ← remainder

$$3919 \div 37 = 105 \text{ remainder } 34$$

105
37 | 3919
37
--
21
0
-
219
185

34 ← remainder

$$3919 \div 41 = 95 \text{ remainder } 24$$

95
41 | 3919
369

229
205

24 ← remainder

$$3919 \div 43 = 91 \text{ remainder } 6$$

91
43 | 3919
387

49
43
--
6 ← remainder

$$3919 \div 47 = 83 \text{ remainder } 18$$

83
47 | 3919
376

159
141

18 ← remainder

$$3919 \div 53 = 73 \text{ remainder } 50$$

73
53 | 3919
371

209
159

50 ← remainder

$$3919 \div 59 = 66 \text{ remainder } 25$$

66
59 | 3919
354

379
354

25 ← remainder

$$3919 \div 61 = 64 \text{ remainder } 15$$

64
61 | 3919
366

259
244

15 ← remainder

P₅₄₄ 3923

$$3923 \div 2 = 1961 \text{ remainder } 1$$

$$\begin{array}{r} 1961 \\ 2 \mid 3923 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3923 \div 3 = 1307 \text{ remainder } 2$$

$$\begin{array}{r} 1307 \\ 3 \mid 3923 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3923 \div 5 = 784 \text{ remainder } 3$$

$$\begin{array}{r} 784 \\ 5 \mid 3923 \\ \underline{35} \\ -- \end{array}$$

```

42
40
--
23
20
--
3 ← remainder

```

$$3923 \div 7 = 560 \text{ remainder } 3$$

```

    560
7 | 3923
   35
   --
   42
   42
   --
    3
    0
    -
    3 ← remainder

```

$$3923 \div 11 = 356 \text{ remainder } 7$$

```

    356
11 | 3923
   33
   --
   62
   55
   --
   73
   66
   --
    7 ← remainder

```

$$3923 \div 13 = 301 \text{ remainder } 10$$

```

    301
13 | 3923
   39
   --
    2
    0

```

```

-
23
13
--
10 ← remainder

```

$$3923 \div 17 = 230 \text{ remainder } 13$$

```

      230
17 | 3923
    34
    --
    52
    51
    --
    13
    0
    -
    13 ← remainder

```

$$3923 \div 19 = 206 \text{ remainder } 9$$

```

      206
19 | 3923
    38
    --
    12
    0
    -
    123
    114
    ---
    9 ← remainder

```

$$3923 \div 23 = 170 \text{ remainder } 13$$

```

      170
23 | 3923
    23
    --
    162
    161
    ---
    13

```

0
-
13 ← remainder

$$3923 \div 29 = 135 \text{ remainder } 8$$

135
29 | 3923
29
--
102
87
--
153
145
--
8 ← remainder

$$3923 \div 31 = 126 \text{ remainder } 17$$

126
31 | 3923
31
--
82
62
--
203
186
--
17 ← remainder

$$3923 \div 37 = 106 \text{ remainder } 1$$

106
37 | 3923
37
--
22
0
-
223
222

1 ← remainder

$$3923 \div 41 = 95 \text{ remainder } 28$$

$$\begin{array}{r} 95 \\ 41 \overline{) 3923} \\ \underline{369} \end{array}$$

233

205

28 ← remainder

$$3923 \div 43 = 91 \text{ remainder } 10$$

$$\begin{array}{r} 91 \\ 43 \overline{) 3923} \\ \underline{387} \end{array}$$

53

43

--

10 ← remainder

$$3923 \div 47 = 83 \text{ remainder } 22$$

$$\begin{array}{r} 83 \\ 47 \overline{) 3923} \\ \underline{376} \end{array}$$

163

141

22 ← remainder

$$3923 \div 53 = 74 \text{ remainder } 1$$

$$\begin{array}{r} 74 \\ 53 \overline{) 3923} \\ \underline{371} \end{array}$$

213

212

1 ← remainder

$$3923 \div 59 = 66 \text{ remainder } 29$$

$$\begin{array}{r} 66 \\ 59 \overline{) 3923} \\ \underline{354} \end{array}$$

383

354

29 ← remainder

$$3923 \div 61 = 64 \text{ remainder } 19$$

$$\begin{array}{r} 64 \\ 61 \overline{) 3923} \\ \underline{366} \end{array}$$

263

244

19 ← remainder

P₅₄₅ 3929

$$3929 \div 2 = 1964 \text{ remainder } 1$$

$$\begin{array}{r} 1964 \\ 2 \mid 3929 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3929 \div 3 = 1309 \text{ remainder } 2$$

$$\begin{array}{r} 1309 \\ 3 \mid 3929 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3929 \div 5 = 785 \text{ remainder } 4$$

$$\begin{array}{r} 785 \\ 5 \mid 3929 \\ \underline{35} \\ -- \end{array}$$

```

42
40
--
29
25
--
4 ← remainder

```

$$3929 \div 7 = 561 \text{ remainder } 2$$

```

    561
7 | 3929
   35
   --
   42
   42
   --
    9
    7
    -
    2 ← remainder

```

$$3929 \div 11 = 357 \text{ remainder } 2$$

```

    357
11 | 3929
   33
   --
   62
   55
   --
   79
   77
   --
    2 ← remainder

```

$$3929 \div 13 = 302 \text{ remainder } 3$$

```

    302
13 | 3929
   39
   --
    2
    0

```

```

-
29
26
--
3 ← remainder

```

$$3929 \div 17 = 231 \text{ remainder } 2$$

```

      231
17 | 3929
    34
    --
    52
    51
    --
    19
    17
    --
    2 ← remainder

```

$$3929 \div 19 = 206 \text{ remainder } 15$$

```

      206
19 | 3929
    38
    --
    12
    0
    -
    129
    114
    ---
    15 ← remainder

```

$$3929 \div 23 = 170 \text{ remainder } 19$$

```

      170
23 | 3929
    23
    --
    162
    161
    ---
    19

```

0
-
19 ← remainder

$$3929 \div 29 = 135 \text{ remainder } 14$$

135
29 | 3929
29
--
102
87
--
159
145

14 ← remainder

$$3929 \div 31 = 126 \text{ remainder } 23$$

126
31 | 3929
31
--
82
62
--
209
186

23 ← remainder

$$3929 \div 37 = 106 \text{ remainder } 7$$

106
37 | 3929
37
--
22
0
-
229
222

7 ← remainder

$$3929 \div 41 = 95 \text{ remainder } 34$$

95
41 | 3929
369

239
205

34 ← remainder

$$3929 \div 43 = 91 \text{ remainder } 16$$

91
43 | 3929
387

59
43
--
16 ← remainder

$$3929 \div 47 = 83 \text{ remainder } 28$$

83
47 | 3929
376

169
141

28 ← remainder

$$3929 \div 53 = 74 \text{ remainder } 7$$

74
53 | 3929
371

219
212

7 ← remainder

$$3929 \div 59 = 66 \text{ remainder } 35$$

66
59 | 3929
354

389
354

35 ← remainder

$$3929 \div 61 = 64 \text{ remainder } 25$$

64
61 | 3929
366

269
244

25 ← remainder

P₅₄₆ 3931

$$3931 \div 2 = 1965 \text{ remainder } 1$$

$$\begin{array}{r} 1965 \\ 2 \mid 3931 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3931 \div 3 = 1310 \text{ remainder } 1$$

$$\begin{array}{r} 1310 \\ 3 \mid 3931 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3931 \div 5 = 786 \text{ remainder } 1$$

$$\begin{array}{r} 786 \\ 5 \mid 3931 \\ \underline{35} \\ -- \end{array}$$

```

43
40
--
31
30
--
1 ← remainder

```

$$3931 \div 7 = 561 \text{ remainder } 4$$

```

  561
7 | 3931
  35
  --
  43
  42
  --
  11
   7
   -
   4 ← remainder

```

$$3931 \div 11 = 357 \text{ remainder } 4$$

```

  357
11 | 3931
   33
   --
   63
   55
   --
   81
   77
   --
   4 ← remainder

```

$$3931 \div 13 = 302 \text{ remainder } 5$$

```

  302
13 | 3931
   39
   --
    3
    0

```

```

-
31
26
--
5 ← remainder

```

$$3931 \div 17 = 231 \text{ remainder } 4$$

```

      231
17 | 3931
    34
    --
    53
    51
    --
    21
    17
    --
    4 ← remainder

```

$$3931 \div 19 = 206 \text{ remainder } 17$$

```

      206
19 | 3931
    38
    --
    13
    0
    -
    131
    114
    ---
    17 ← remainder

```

$$3931 \div 23 = 170 \text{ remainder } 21$$

```

      170
23 | 3931
    23
    --
    163
    161
    ---
    21

```

0
-
21 ← remainder

$$3931 \div 29 = 135 \text{ remainder } 16$$

135
29 | 3931
29
--
103
87
--
161
145

16 ← remainder

$$3931 \div 31 = 126 \text{ remainder } 25$$

126
31 | 3931
31
--
83
62
--
211
186

25 ← remainder

$$3931 \div 37 = 106 \text{ remainder } 9$$

106
37 | 3931
37
--
23
0
-
231
222

9 ← remainder

$$3931 \div 41 = 95 \text{ remainder } 36$$

95
41 | 3931
369

241
205

36 ← remainder

$$3931 \div 43 = 91 \text{ remainder } 18$$

91
43 | 3931
387

61
43
--
18 ← remainder

$$3931 \div 47 = 83 \text{ remainder } 30$$

83
47 | 3931
376

171
141

30 ← remainder

$$3931 \div 53 = 74 \text{ remainder } 9$$

74
53 | 3931
371

221
212

9 ← remainder

$$3931 \div 59 = 66 \text{ remainder } 37$$

66
59 | 3931
354

391
354

37 ← remainder

$$3931 \div 61 = 64 \text{ remainder } 27$$

64
61 | 3931
366

271
244

27 ← remainder

P₅₄₇ 3943

$$3943 \div 2 = 1971 \text{ remainder } 1$$

$$\begin{array}{r} 1971 \\ 2 \mid 3943 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 14 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3943 \div 3 = 1314 \text{ remainder } 1$$

$$\begin{array}{r} 1314 \\ 3 \mid 3943 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3943 \div 5 = 788 \text{ remainder } 3$$

$$\begin{array}{r} 788 \\ 5 \mid 3943 \\ \underline{35} \\ -- \end{array}$$

```

44
40
--
43
40
--
3 ← remainder

```

$$3943 \div 7 = 563 \text{ remainder } 2$$

```

    563
7 | 3943
   35
   --
   44
   42
   --
   23
   21
   --
   2 ← remainder

```

$$3943 \div 11 = 358 \text{ remainder } 5$$

```

    358
11 | 3943
   33
   --
   64
   55
   --
   93
   88
   --
   5 ← remainder

```

$$3943 \div 13 = 303 \text{ remainder } 4$$

```

    303
13 | 3943
   39
   --
   4
   0

```



```

-
43
39
--
4 ← remainder

```

$$3943 \div 17 = 231 \text{ remainder } 16$$

```

      231
17 | 3943
    34
    --
     54
     51
     --
      33
      17
      --
      16 ← remainder

```

$$3943 \div 19 = 207 \text{ remainder } 10$$

```

      207
19 | 3943
    38
    --
     14
     0
     -
     143
     133
     ---
      10 ← remainder

```

$$3943 \div 23 = 171 \text{ remainder } 10$$

```

      171
23 | 3943
    23
    --
     164
     161
     ---
      33

```

23
 --
 10 ← remainder

$$3943 \div 29 = 135 \text{ remainder } 28$$

135
 29 | 3943
 29
 --
 104
 87
 --
 173
 145

 28 ← remainder

$$3943 \div 31 = 127 \text{ remainder } 6$$

127
 31 | 3943
 31
 --
 84
 62
 --
 223
 217

 6 ← remainder

$$3943 \div 37 = 106 \text{ remainder } 21$$

106
 37 | 3943
 37
 --
 24
 0
 -
 243
 222

21 ← remainder

$$3943 \div 41 = 96 \text{ remainder } 7$$

96
41 | 3943
369

253
246

7 ← remainder

$$3943 \div 43 = 91 \text{ remainder } 30$$

91
43 | 3943
387

73
43
--
30 ← remainder

$$3943 \div 47 = 83 \text{ remainder } 42$$

83
47 | 3943
376

183
141

42 ← remainder

$$3943 \div 53 = 74 \text{ remainder } 21$$

74
53 | 3943
371

233
212

21 ← remainder

$$3943 \div 59 = 66 \text{ remainder } 49$$

66
59 | 3943
354

403
354

49 ← remainder

$$3943 \div 61 = 64 \text{ remainder } 39$$

64
61 | 3943
366

283
244

39 ← remainder

P₅₄₈ 3947

$$3947 \div 2 = 1973 \text{ remainder } 1$$

$$\begin{array}{r} 1973 \\ 2 \mid 3947 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 14 \\ \underline{14} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3947 \div 3 = 1315 \text{ remainder } 2$$

$$\begin{array}{r} 1315 \\ 3 \mid 3947 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3947 \div 5 = 789 \text{ remainder } 2$$

$$\begin{array}{r} 789 \\ 5 \mid 3947 \\ \underline{35} \\ -- \end{array}$$

```

44
40
--
47
45
--
2 ← remainder

```

$$3947 \div 7 = 563 \text{ remainder } 6$$

```

      563
7 | 3947
   35
   --
   44
   42
   --
   27
   21
   --
   6 ← remainder

```

$$3947 \div 11 = 358 \text{ remainder } 9$$

```

      358
11 | 3947
   33
   --
   64
   55
   --
   97
   88
   --
   9 ← remainder

```

$$3947 \div 13 = 303 \text{ remainder } 8$$

```

      303
13 | 3947
   39
   --
   4
   0

```

```

-
47
39
--
8 ← remainder

```

$$3947 \div 17 = 232 \text{ remainder } 3$$

```

      232
17 | 3947
    34
    --
     54
     51
     --
      37
      34
      --
       3 ← remainder

```

$$3947 \div 19 = 207 \text{ remainder } 14$$

```

      207
19 | 3947
    38
    --
     14
     0
     -
     147
     133
     ---
      14 ← remainder

```

$$3947 \div 23 = 171 \text{ remainder } 14$$

```

      171
23 | 3947
    23
    --
     164
     161
     ---
      37

```

23

--

14 ← remainder

$$3947 \div 29 = 136 \text{ remainder } 3$$

136
29 | 3947
29

--

104

87

--

177

174

3 ← remainder

$$3947 \div 31 = 127 \text{ remainder } 10$$

127
31 | 3947
31

--

84

62

--

227

217

10 ← remainder

$$3947 \div 37 = 106 \text{ remainder } 25$$

106
37 | 3947
37

--

24

0

-

247

222

25 ← remainder

$$3947 \div 41 = 96 \text{ remainder } 11$$

96
41 | 3947
369

257
246

11 ← remainder

$$3947 \div 43 = 91 \text{ remainder } 34$$

91
43 | 3947
387

77
43
--
34 ← remainder

$$3947 \div 47 = 83 \text{ remainder } 46$$

83
47 | 3947
376

187
141

46 ← remainder

$$3947 \div 53 = 74 \text{ remainder } 25$$

74
53 | 3947
371

237
212

25 ← remainder

$$3947 \div 59 = 66 \text{ remainder } 53$$

66
59 | 3947
354

407
354

53 ← remainder

$$3947 \div 61 = 64 \text{ remainder } 43$$

64
61 | 3947
366

287
244

43 ← remainder

P₅₄₉ 3967

$$3967 \div 2 = 1983 \text{ remainder } 1$$

$$\begin{array}{r} 1983 \\ 2 \mid 3967 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3967 \div 3 = 1322 \text{ remainder } 1$$

$$\begin{array}{r} 1322 \\ 3 \mid 3967 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3967 \div 5 = 793 \text{ remainder } 2$$

$$\begin{array}{r} 793 \\ 5 \mid 3967 \\ \underline{35} \\ - - \end{array}$$

```

46
45
--
17
15
--
2 ← remainder

```

$$3967 \div 7 = 566 \text{ remainder } 5$$

```

      566
7 | 3967
   35
   --
   46
   42
   --
   47
   42
   --
   5 ← remainder

```

$$3967 \div 11 = 360 \text{ remainder } 7$$

```

      360
11 | 3967
   33
   --
   66
   66
   --
   7
   0
   -
   7 ← remainder

```

$$3967 \div 13 = 305 \text{ remainder } 2$$

```

      305
13 | 3967
   39
   --
   6
   0

```

```

-
67
65
--
2 ← remainder

```

$$3967 \div 17 = 233 \text{ remainder } 6$$

```

      233
17 | 3967
    34
    --
    56
    51
    --
    57
    51
    --
    6 ← remainder

```

$$3967 \div 19 = 208 \text{ remainder } 15$$

```

      208
19 | 3967
    38
    --
    16
    0
    -
    167
    152
    ---
    15 ← remainder

```

$$3967 \div 23 = 172 \text{ remainder } 11$$

```

      172
23 | 3967
    23
    --
    166
    161
    ---
    57

```

46

--

11 ← remainder

$$3967 \div 29 = 136 \text{ remainder } 23$$

136

29 | 3967

29

--

106

87

--

197

174

23 ← remainder

$$3967 \div 31 = 127 \text{ remainder } 30$$

127

31 | 3967

31

--

86

62

--

247

217

30 ← remainder

$$3967 \div 37 = 107 \text{ remainder } 8$$

107

37 | 3967

37

--

26

0

-

267

259

8 ← remainder

$$3967 \div 41 = 96 \text{ remainder } 31$$

$$\begin{array}{r} 96 \\ 41 \overline{) 3967} \\ \underline{369} \end{array}$$

277

246

31 ← remainder

$$3967 \div 43 = 92 \text{ remainder } 11$$

$$\begin{array}{r} 92 \\ 43 \overline{) 3967} \\ \underline{387} \end{array}$$

97

86

--

11 ← remainder

$$3967 \div 47 = 84 \text{ remainder } 19$$

$$\begin{array}{r} 84 \\ 47 \overline{) 3967} \\ \underline{376} \end{array}$$

207

188

19 ← remainder

$$3967 \div 53 = 74 \text{ remainder } 45$$

$$\begin{array}{r} 74 \\ 53 \overline{) 3967} \\ \underline{371} \end{array}$$

257

212

45 ← remainder

$$3967 \div 59 = 67 \text{ remainder } 14$$

67
59 | 3967
354

427
413

14 ← remainder

$$3967 \div 61 = 65 \text{ remainder } 2$$

65
61 | 3967
366

307
305

2 ← remainder

P₅₅₀ 3989

$$3989 \div 2 = 1994 \text{ remainder } 1$$

$$\begin{array}{r} 1994 \\ 2 \mid 3989 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 18 \\ \underline{18} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$3989 \div 3 = 1329 \text{ remainder } 2$$

$$\begin{array}{r} 1329 \\ 3 \mid 3989 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$3989 \div 5 = 797 \text{ remainder } 4$$

$$\begin{array}{r} 797 \\ 5 \mid 3989 \\ \underline{35} \\ -- \end{array}$$

```

48
45
--
39
35
--
4 ← remainder

```

$$3989 \div 7 = 569 \text{ remainder } 6$$

```

    569
7 | 3989
   35
   --
   48
   42
   --
   69
   63
   --
   6 ← remainder

```

$$3989 \div 11 = 362 \text{ remainder } 7$$

```

    362
11 | 3989
   33
   --
   68
   66
   --
   29
   22
   --
   7 ← remainder

```

$$3989 \div 13 = 306 \text{ remainder } 11$$

```

    306
13 | 3989
   39
   --
   8
   0

```

```

-
89
78
--
11 ← remainder

```

$$3989 \div 17 = 234 \text{ remainder } 11$$

```

      234
17 | 3989
    34
    --
    58
    51
    --
    79
    68
    --
    11 ← remainder

```

$$3989 \div 19 = 209 \text{ remainder } 18$$

```

      209
19 | 3989
    38
    --
    18
    0
    -
    189
    171
    ---
    18 ← remainder

```

$$3989 \div 23 = 173 \text{ remainder } 10$$

```

      173
23 | 3989
    23
    --
    168
    161
    ---
    79

```

69

--

10 ← remainder

$$3989 \div 29 = 137 \text{ remainder } 16$$

137
29 | 3989
29

--

108

87

--

219

203

16 ← remainder

$$3989 \div 31 = 128 \text{ remainder } 21$$

128
31 | 3989
31

--

88

62

--

269

248

21 ← remainder

$$3989 \div 37 = 107 \text{ remainder } 30$$

107
37 | 3989
37

--

28

0

-

289

259

30 ← remainder

$$3989 \div 41 = 97 \text{ remainder } 12$$

97
41 | 3989
369

299
287

12 ← remainder

$$3989 \div 43 = 92 \text{ remainder } 33$$

92
43 | 3989
387

119
86
--
33 ← remainder

$$3989 \div 47 = 84 \text{ remainder } 41$$

84
47 | 3989
376

229
188

41 ← remainder

$$3989 \div 53 = 75 \text{ remainder } 14$$

75
53 | 3989
371

279
265

14 ← remainder

$$3989 \div 59 = 67 \text{ remainder } 36$$

67

$$59 \mid 3989$$

354

449

413

36 ← remainder

$$3989 \div 61 = 65 \text{ remainder } 24$$

65

$$61 \mid 3989$$

366

329

305

24 ← remainder

P₅₅₁ 4001

$$4001 \div 2 = 2000 \text{ remainder } 1$$

$$\begin{array}{r} 2000 \\ 2 \mid 4001 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4001 \div 3 = 1333 \text{ remainder } 2$$

$$\begin{array}{r} 1333 \\ 3 \mid 4001 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4001 \div 5 = 800 \text{ remainder } 1$$

$$\begin{array}{r} 800 \\ 5 \mid 4001 \\ \underline{40} \\ - - \end{array}$$

```

0
0
-
1
0
-
1 ← remainder

```

$$4001 \div 7 = 571 \text{ remainder } 4$$

```

    571
7 | 4001
   35
  --
   50
   49
  --
   11
    7
   -
   4 ← remainder

```

$$4001 \div 11 = 363 \text{ remainder } 8$$

```

    363
11 | 4001
   33
  --
   70
   66
  --
   41
   33
  --
    8 ← remainder

```

$$4001 \div 13 = 307 \text{ remainder } 10$$

```

    307
13 | 4001
   39
  --
   10
    0

```



```

-
101
91
--
10 ← remainder

```

$$4001 \div 17 = 235 \text{ remainder } 6$$

```

      235
17 | 4001
    34
    --
     60
     51
     --
     91
     85
     --
      6 ← remainder

```

$$4001 \div 19 = 210 \text{ remainder } 11$$

```

      210
19 | 4001
    38
    --
     20
     19
     --
     11
     0
     -
     11 ← remainder

```

$$4001 \div 23 = 173 \text{ remainder } 22$$

```

      173
23 | 4001
    23
    --
    170
    161
    ---
     91

```

69
 --
 22 ← remainder

$$4001 \div 29 = 137 \text{ remainder } 28$$

137
 29 | 4001
 29
 --
 110
 87
 --
 231
 203

 28 ← remainder

$$4001 \div 31 = 129 \text{ remainder } 2$$

129
 31 | 4001
 31
 --
 90
 62
 --
 281
 279

 2 ← remainder

$$4001 \div 37 = 108 \text{ remainder } 5$$

108
 37 | 4001
 37
 --
 30
 0
 -
 301
 296

5 ← remainder

$$4001 \div 41 = 97 \text{ remainder } 24$$

97
41 | 4001
369

311
287

24 ← remainder

$$4001 \div 43 = 93 \text{ remainder } 2$$

93
43 | 4001
387

131
129

2 ← remainder

$$4001 \div 47 = 85 \text{ remainder } 6$$

85
47 | 4001
376

241
235

6 ← remainder

$$4001 \div 53 = 75 \text{ remainder } 26$$

75
53 | 4001
371

291
265

26 ← remainder

$$4001 \div 59 = 67 \text{ remainder } 48$$

67
59 | 4001
354

461
413

48 ← remainder

$$4001 \div 61 = 65 \text{ remainder } 36$$

65
61 | 4001
366

341
305

36 ← remainder

P₅₅₂ 4003

$$4003 \div 2 = 2001 \text{ remainder } 1$$

$$\begin{array}{r} 2001 \\ 2 \mid 4003 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 0 \\ 0 \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4003 \div 3 = 1334 \text{ remainder } 1$$

$$\begin{array}{r} 1334 \\ 3 \mid 4003 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4003 \div 5 = 800 \text{ remainder } 3$$

$$\begin{array}{r} 800 \\ 5 \mid 4003 \\ \underline{40} \\ - - \end{array}$$

```

0
0
-
3
0
-
3 ← remainder

```

$$4003 \div 7 = 571 \text{ remainder } 6$$

```

571
7 | 4003
35
--
50
49
--
13
7
-
6 ← remainder

```

$$4003 \div 11 = 363 \text{ remainder } 10$$

```

363
11 | 4003
33
--
70
66
--
43
33
--
10 ← remainder

```

$$4003 \div 13 = 307 \text{ remainder } 12$$

```

307
13 | 4003
39
--
10
0

```

```

-
103
91
--
12 ← remainder

```

$$4003 \div 17 = 235 \text{ remainder } 8$$

```

      235
17 | 4003
    34
    --
     60
     51
     --
     93
     85
     --
      8 ← remainder

```

$$4003 \div 19 = 210 \text{ remainder } 13$$

```

      210
19 | 4003
    38
    --
     20
     19
     --
     13
     0
     -
     13 ← remainder

```

$$4003 \div 23 = 174 \text{ remainder } 1$$

```

      174
23 | 4003
    23
    --
    170
    161
    ---
     93

```

92

--

1 ← remainder

$$4003 \div 29 = 138 \text{ remainder } 1$$

138

29 | 4003

29

--

110

87

--

233

232

1 ← remainder

$$4003 \div 31 = 129 \text{ remainder } 4$$

129

31 | 4003

31

--

90

62

--

283

279

4 ← remainder

$$4003 \div 37 = 108 \text{ remainder } 7$$

108

37 | 4003

37

--

30

0

-

303

296

7 ← remainder

$$4003 \div 41 = 97 \text{ remainder } 26$$

97
41 | 4003
369

313
287

26 ← remainder

$$4003 \div 43 = 93 \text{ remainder } 4$$

93
43 | 4003
387

133
129

4 ← remainder

$$4003 \div 47 = 85 \text{ remainder } 8$$

85
47 | 4003
376

243
235

8 ← remainder

$$4003 \div 53 = 75 \text{ remainder } 28$$

75
53 | 4003
371

293
265

28 ← remainder

$$4003 \div 59 = 67 \text{ remainder } 50$$

67
59 | 4003
354

463
413

50 ← remainder

$$4003 \div 61 = 65 \text{ remainder } 38$$

65
61 | 4003
366

343
305

38 ← remainder

P₅₅₃ 4007

$$4007 \div 2 = 2003 \text{ remainder } 1$$

$$\begin{array}{r} 2003 \\ 2 \mid 4007 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 0 \\ 0 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4007 \div 3 = 1335 \text{ remainder } 2$$

$$\begin{array}{r} 1335 \\ 3 \mid 4007 \\ \underline{3} \\ - \\ 10 \\ 9 \\ - \\ 10 \\ 9 \\ - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4007 \div 5 = 801 \text{ remainder } 2$$

$$\begin{array}{r} 801 \\ 5 \mid 4007 \\ \underline{40} \\ - - \end{array}$$

```

0
0
-
7
5
-
2 ← remainder

```

$$4007 \div 7 = 572 \text{ remainder } 3$$

```

    572
7 | 4007
   35
   --
   50
   49
   --
   17
   14
   --
   3 ← remainder

```

$$4007 \div 11 = 364 \text{ remainder } 3$$

```

    364
11 | 4007
   33
   --
   70
   66
   --
   47
   44
   --
   3 ← remainder

```

$$4007 \div 13 = 308 \text{ remainder } 3$$

```

    308
13 | 4007
   39
   --
   10
   0

```

```

-
107
104
---
3 ← remainder

```

$$4007 \div 17 = 235 \text{ remainder } 12$$

```

      235
17 | 4007
    34
    --
     60
     51
     --
     97
     85
     --
     12 ← remainder

```

$$4007 \div 19 = 210 \text{ remainder } 17$$

```

      210
19 | 4007
    38
    --
     20
     19
     --
     17
     0
     -
     17 ← remainder

```

$$4007 \div 23 = 174 \text{ remainder } 5$$

```

      174
23 | 4007
    23
    --
    170
    161
    ---
     97

```

92
 --
 5 ← remainder

$$4007 \div 29 = 138 \text{ remainder } 5$$

138
 29 | 4007
 29
 --
 110
 87
 --
 237
 232

 5 ← remainder

$$4007 \div 31 = 129 \text{ remainder } 8$$

129
 31 | 4007
 31
 --
 90
 62
 --
 287
 279

 8 ← remainder

$$4007 \div 37 = 108 \text{ remainder } 11$$

108
 37 | 4007
 37
 --
 30
 0
 -
 307
 296

11 ← remainder

$$4007 \div 41 = 97 \text{ remainder } 30$$

$$\begin{array}{r} 97 \\ 41 \overline{) 4007} \\ \underline{369} \end{array}$$

317

287

30 ← remainder

$$4007 \div 43 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4007} \\ \underline{387} \end{array}$$

137

129

8 ← remainder

$$4007 \div 47 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4007} \\ \underline{376} \end{array}$$

247

235

12 ← remainder

$$4007 \div 53 = 75 \text{ remainder } 32$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4007} \\ \underline{371} \end{array}$$

297

265

32 ← remainder

$$4007 \div 59 = 67 \text{ remainder } 54$$

67
59 | 4007
354

467
413

54 ← remainder

$$4007 \div 61 = 65 \text{ remainder } 42$$

65
61 | 4007
366

347
305

42 ← remainder

P₅₅₄ 4013

$$4013 \div 2 = 2006 \text{ remainder } 1$$

$$\begin{array}{r} 2006 \\ 2 \mid 4013 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4013 \div 3 = 1337 \text{ remainder } 2$$

$$\begin{array}{r} 1337 \\ 3 \mid 4013 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4013 \div 5 = 802 \text{ remainder } 3$$

$$\begin{array}{r} 802 \\ 5 \mid 4013 \\ \underline{40} \\ -- \end{array}$$

```

1
0
-
13
10
--
3 ← remainder

```

$$4013 \div 7 = 573 \text{ remainder } 2$$

```

    573
7 | 4013
   35
   --
   51
   49
   --
   23
   21
   --
   2 ← remainder

```

$$4013 \div 11 = 364 \text{ remainder } 9$$

```

    364
11 | 4013
   33
   --
   71
   66
   --
   53
   44
   --
   9 ← remainder

```

$$4013 \div 13 = 308 \text{ remainder } 9$$

```

    308
13 | 4013
   39
   --
   11
   0

```

```

-
113
104
---
9 ← remainder

```

$$4013 \div 17 = 236 \text{ remainder } 1$$

```

      236
17 | 4013
    34
    --
     61
     51
     --
     103
     102
     ---
      1 ← remainder

```

$$4013 \div 19 = 211 \text{ remainder } 4$$

```

      211
19 | 4013
    38
    --
     21
     19
     --
      23
      19
      --
       4 ← remainder

```

$$4013 \div 23 = 174 \text{ remainder } 11$$

```

      174
23 | 4013
    23
    --
     171
     161
     ---
      103

```

92
 --
 11 ← remainder

$$4013 \div 29 = 138 \text{ remainder } 11$$

138
 29 | 4013
 29
 --
 111
 87
 --
 243
 232

 11 ← remainder

$$4013 \div 31 = 129 \text{ remainder } 14$$

129
 31 | 4013
 31
 --
 91
 62
 --
 293
 279

 14 ← remainder

$$4013 \div 37 = 108 \text{ remainder } 17$$

108
 37 | 4013
 37
 --
 31
 0
 -
 313
 296

17 ← remainder

$$4013 \div 41 = 97 \text{ remainder } 36$$

$$\begin{array}{r} 97 \\ 41 \overline{) 4013} \\ \underline{369} \end{array}$$

323

287

36 ← remainder

$$4013 \div 43 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 43 \overline{) 4013} \\ \underline{387} \end{array}$$

143

129

14 ← remainder

$$4013 \div 47 = 85 \text{ remainder } 18$$

$$\begin{array}{r} 85 \\ 47 \overline{) 4013} \\ \underline{376} \end{array}$$

253

235

18 ← remainder

$$4013 \div 53 = 75 \text{ remainder } 38$$

$$\begin{array}{r} 75 \\ 53 \overline{) 4013} \\ \underline{371} \end{array}$$

303

265

38 ← remainder

$$4013 \div 59 = 68 \text{ remainder } 1$$

68
59 | 4013
354

473
472

1 ← remainder

$$4013 \div 61 = 65 \text{ remainder } 48$$

65
61 | 4013
366

353
305

48 ← remainder

P₅₅₅ 4019

$$4019 \div 2 = 2009 \text{ remainder } 1$$

$$\begin{array}{r} 2009 \\ 2 \mid 4019 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 1 \\ 0 \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4019 \div 3 = 1339 \text{ remainder } 2$$

$$\begin{array}{r} 1339 \\ 3 \mid 4019 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4019 \div 5 = 803 \text{ remainder } 4$$

$$\begin{array}{r} 803 \\ 5 \mid 4019 \\ \underline{40} \\ -- \end{array}$$

```

1
0
-
19
15
--
4 ← remainder

```

$$4019 \div 7 = 574 \text{ remainder } 1$$

```

    574
7 | 4019
   35
   --
   51
   49
   --
   29
   28
   --
   1 ← remainder

```

$$4019 \div 11 = 365 \text{ remainder } 4$$

```

    365
11 | 4019
   33
   --
   71
   66
   --
   59
   55
   --
   4 ← remainder

```

$$4019 \div 13 = 309 \text{ remainder } 2$$

```

    309
13 | 4019
   39
   --
   11
   0

```



```

-
119
117
---
2 ← remainder

```

$$4019 \div 17 = 236 \text{ remainder } 7$$

```

      236
17 | 4019
    34
    --
     61
     51
     --
    109
    102
    ---
     7 ← remainder

```

$$4019 \div 19 = 211 \text{ remainder } 10$$

```

      211
19 | 4019
    38
    --
     21
     19
     --
     29
     19
     --
     10 ← remainder

```

$$4019 \div 23 = 174 \text{ remainder } 17$$

```

      174
23 | 4019
    23
    --
    171
    161
    ---
    109

```

92
 --
 17 ← remainder

$$4019 \div 29 = 138 \text{ remainder } 17$$

138
 29 | 4019
 29
 --
 111
 87
 --
 249
 232

 17 ← remainder

$$4019 \div 31 = 129 \text{ remainder } 20$$

129
 31 | 4019
 31
 --
 91
 62
 --
 299
 279

 20 ← remainder

$$4019 \div 37 = 108 \text{ remainder } 23$$

108
 37 | 4019
 37
 --
 31
 0
 -
 319
 296

23 ← remainder

$$4019 \div 41 = 98 \text{ remainder } 1$$

98
41 | 4019
369

329
328

1 ← remainder

$$4019 \div 43 = 93 \text{ remainder } 20$$

93
43 | 4019
387

149
129

20 ← remainder

$$4019 \div 47 = 85 \text{ remainder } 24$$

85
47 | 4019
376

259
235

24 ← remainder

$$4019 \div 53 = 75 \text{ remainder } 44$$

75
53 | 4019
371

309
265

44 ← remainder

$$4019 \div 59 = 68 \text{ remainder } 7$$

68
59 | 4019
354

479
472

7 ← remainder

$$4019 \div 61 = 65 \text{ remainder } 54$$

65
61 | 4019
366

359
305

54 ← remainder

P₅₅₆ 4021

$$4021 \div 2 = 2010 \text{ remainder } 1$$

$$\begin{array}{r} 2010 \\ 2 \mid 4021 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 2 \\ 2 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4021 \div 3 = 1340 \text{ remainder } 1$$

$$\begin{array}{r} 1340 \\ 3 \mid 4021 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4021 \div 5 = 804 \text{ remainder } 1$$

$$\begin{array}{r} 804 \\ 5 \mid 4021 \\ \underline{40} \\ - - \end{array}$$

```

2
0
-
21
20
--
1 ← remainder

```

$$4021 \div 7 = 574 \text{ remainder } 3$$

```

    574
7 | 4021
   35
   --
   52
   49
   --
   31
   28
   --
   3 ← remainder

```

$$4021 \div 11 = 365 \text{ remainder } 6$$

```

    365
11 | 4021
   33
   --
   72
   66
   --
   61
   55
   --
   6 ← remainder

```

$$4021 \div 13 = 309 \text{ remainder } 4$$

```

    309
13 | 4021
   39
   --
   12
   0

```

```

-
121
117
---
4 ← remainder

```

$$4021 \div 17 = 236 \text{ remainder } 9$$

```

      236
17 | 4021
    34
    --
     62
     51
     --
     111
     102
     ---
      9 ← remainder

```

$$4021 \div 19 = 211 \text{ remainder } 12$$

```

      211
19 | 4021
    38
    --
     22
     19
     --
     31
     19
     --
     12 ← remainder

```

$$4021 \div 23 = 174 \text{ remainder } 19$$

```

      174
23 | 4021
    23
    --
     172
     161
     ---
      111

```

92
 --
 19 ← remainder

$$4021 \div 29 = 138 \text{ remainder } 19$$

138
 29 | 4021
 29
 --
 112
 87
 --
 251
 232

 19 ← remainder

$$4021 \div 31 = 129 \text{ remainder } 22$$

129
 31 | 4021
 31
 --
 92
 62
 --
 301
 279

 22 ← remainder

$$4021 \div 37 = 108 \text{ remainder } 25$$

108
 37 | 4021
 37
 --
 32
 0
 -
 321
 296

25 ← remainder

$$4021 \div 41 = 98 \text{ remainder } 3$$

98
41 | 4021
369

331
328

3 ← remainder

$$4021 \div 43 = 93 \text{ remainder } 22$$

93
43 | 4021
387

151
129

22 ← remainder

$$4021 \div 47 = 85 \text{ remainder } 26$$

85
47 | 4021
376

261
235

26 ← remainder

$$4021 \div 53 = 75 \text{ remainder } 46$$

75
53 | 4021
371

311
265

46 ← remainder

$$4021 \div 59 = 68 \text{ remainder } 9$$

68
59 | 4021
354

481
472

9 ← remainder

$$4021 \div 61 = 65 \text{ remainder } 56$$

65
61 | 4021
366

361
305

56 ← remainder

P₅₅₇ 4027

$$4027 \div 2 = 2013 \text{ remainder } 1$$

$$\begin{array}{r} 2013 \\ 2 \mid 4027 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 2 \\ 2 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4027 \div 3 = 1342 \text{ remainder } 1$$

$$\begin{array}{r} 1342 \\ 3 \mid 4027 \\ \underline{3} \\ - \\ 10 \\ 9 \\ - \\ 12 \\ 12 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4027 \div 5 = 805 \text{ remainder } 2$$

$$\begin{array}{r} 805 \\ 5 \mid 4027 \\ \underline{40} \\ - - \end{array}$$

```

2
0
-
27
25
--
2 ← remainder

```

$$4027 \div 7 = 575 \text{ remainder } 2$$

```

    575
7 | 4027
   35
   --
   52
   49
   --
   37
   35
   --
   2 ← remainder

```

$$4027 \div 11 = 366 \text{ remainder } 1$$

```

    366
11 | 4027
   33
   --
   72
   66
   --
   67
   66
   --
   1 ← remainder

```

$$4027 \div 13 = 309 \text{ remainder } 10$$

```

    309
13 | 4027
   39
   --
   12
   0

```

```

-
127
117
---
10 ← remainder

```

$$4027 \div 17 = 236 \text{ remainder } 15$$

```

      236
17 | 4027
    34
    --
     62
     51
     --
    117
    102
    ---
    15 ← remainder

```

$$4027 \div 19 = 211 \text{ remainder } 18$$

```

      211
19 | 4027
    38
    --
     22
     19
     --
     37
     19
     --
     18 ← remainder

```

$$4027 \div 23 = 175 \text{ remainder } 2$$

```

      175
23 | 4027
    23
    --
    172
    161
    ---
    117

```

115

 2 ← remainder

$$4027 \div 29 = 138 \text{ remainder } 25$$

138
 29 | 4027
 29
 --
 112
 87
 --
 257
 232

 25 ← remainder

$$4027 \div 31 = 129 \text{ remainder } 28$$

129
 31 | 4027
 31
 --
 92
 62
 --
 307
 279

 28 ← remainder

$$4027 \div 37 = 108 \text{ remainder } 31$$

108
 37 | 4027
 37
 --
 32
 0
 -
 327
 296

31 ← remainder

$$4027 \div 41 = 98 \text{ remainder } 9$$

98
41 | 4027
369

337
328

9 ← remainder

$$4027 \div 43 = 93 \text{ remainder } 28$$

93
43 | 4027
387

157
129

28 ← remainder

$$4027 \div 47 = 85 \text{ remainder } 32$$

85
47 | 4027
376

267
235

32 ← remainder

$$4027 \div 53 = 75 \text{ remainder } 52$$

75
53 | 4027
371

317
265

52 ← remainder

$$4027 \div 59 = 68 \text{ remainder } 15$$

68
59 | 4027
354

487
472

15 ← remainder

$$4027 \div 61 = 66 \text{ remainder } 1$$

66
61 | 4027
366

367
366

1 ← remainder

P₅₅₈ 4049

$$4049 \div 2 = 2024 \text{ remainder } 1$$

$$\begin{array}{r} 2024 \\ 2 \mid 4049 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 4 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4049 \div 3 = 1349 \text{ remainder } 2$$

$$\begin{array}{r} 1349 \\ 3 \mid 4049 \\ \underline{3} \\ - \\ 10 \\ 9 \\ - \\ 14 \\ 12 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4049 \div 5 = 809 \text{ remainder } 4$$

$$\begin{array}{r} 809 \\ 5 \mid 4049 \\ \underline{40} \\ - - \end{array}$$

```

4
0
-
49
45
--
4 ← remainder

```

$$4049 \div 7 = 578 \text{ remainder } 3$$

```

578
7 | 4049
35
--
54
49
--
59
56
--
3 ← remainder

```

$$4049 \div 11 = 368 \text{ remainder } 1$$

```

368
11 | 4049
33
--
74
66
--
89
88
--
1 ← remainder

```

$$4049 \div 13 = 311 \text{ remainder } 6$$

```

311
13 | 4049
39
--
14
13

```

```

--
19
13
--
6 ← remainder

```

$$4049 \div 17 = 238 \text{ remainder } 3$$

```

      238
17 | 4049
    34
    --
    64
    51
    --
    139
    136
    ---
    3 ← remainder

```

$$4049 \div 19 = 213 \text{ remainder } 2$$

```

      213
19 | 4049
    38
    --
    24
    19
    --
    59
    57
    --
    2 ← remainder

```

$$4049 \div 23 = 176 \text{ remainder } 1$$

```

      176
23 | 4049
    23
    --
    174
    161
    ---
    139

```

138

1 \leftarrow remainder

$$4049 \div 29 = 139 \text{ remainder } 18$$

139

29 | 4049

29

--

114

87

--

279

261

18 \leftarrow remainder

$$4049 \div 31 = 130 \text{ remainder } 19$$

130

31 | 4049

31

--

94

93

--

19

0

-

19 \leftarrow remainder

$$4049 \div 37 = 109 \text{ remainder } 16$$

109

37 | 4049

37

--

34

0

-

349

333

16 ← remainder

$$4049 \div 41 = 98 \text{ remainder } 31$$

$$\begin{array}{r} 98 \\ 41 \overline{) 4049} \\ \underline{369} \end{array}$$

359

328

31 ← remainder

$$4049 \div 43 = 94 \text{ remainder } 7$$

$$\begin{array}{r} 94 \\ 43 \overline{) 4049} \\ \underline{387} \end{array}$$

179

172

7 ← remainder

$$4049 \div 47 = 86 \text{ remainder } 7$$

$$\begin{array}{r} 86 \\ 47 \overline{) 4049} \\ \underline{376} \end{array}$$

289

282

7 ← remainder

$$4049 \div 53 = 76 \text{ remainder } 21$$

$$\begin{array}{r} 76 \\ 53 \overline{) 4049} \\ \underline{371} \end{array}$$

339

318

21 ← remainder

$$4049 \div 59 = 68 \text{ remainder } 37$$

68
59 | 4049
354

509
472

37 ← remainder

$$4049 \div 61 = 66 \text{ remainder } 23$$

66
61 | 4049
366

389
366

23 ← remainder

P₅₅₉ 4051

$$4051 \div 2 = 2025 \text{ remainder } 1$$

$$\begin{array}{r} 2025 \\ 2 \mid 4051 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4051 \div 3 = 1350 \text{ remainder } 1$$

$$\begin{array}{r} 1350 \\ 3 \mid 4051 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 15 \\ \underline{15} \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4051 \div 5 = 810 \text{ remainder } 1$$

$$\begin{array}{r} 810 \\ 5 \mid 4051 \\ \underline{40} \\ - - \end{array}$$

```

5
5
-
1
0
-
1 ← remainder

```

$4051 \div 7 = 578 \text{ remainder } 5$

```

      578
7 | 4051
   35
   --
   55
   49
   --
   61
   56
   --
   5 ← remainder

```

$4051 \div 11 = 368 \text{ remainder } 3$

```

      368
11 | 4051
   33
   --
   75
   66
   --
   91
   88
   --
   3 ← remainder

```

$4051 \div 13 = 311 \text{ remainder } 8$

```

      311
13 | 4051
   39
   --
   15
   13

```



```

--
21
13
--
8 ← remainder

```

$$4051 \div 17 = 238 \text{ remainder } 5$$

```

      238
17 | 4051
    34
    --
    65
    51
    --
    141
    136
    ---
    5 ← remainder

```

$$4051 \div 19 = 213 \text{ remainder } 4$$

```

      213
19 | 4051
    38
    --
    25
    19
    --
    61
    57
    --
    4 ← remainder

```

$$4051 \div 23 = 176 \text{ remainder } 3$$

```

      176
23 | 4051
    23
    --
    175
    161
    ---
    141

```

138

 3 ← remainder

$$4051 \div 29 = 139 \text{ remainder } 20$$

139
 29 | 4051
 29
 --
 115
 87
 --
 281
 261

 20 ← remainder

$$4051 \div 31 = 130 \text{ remainder } 21$$

130
 31 | 4051
 31
 --
 95
 93
 --
 21
 0
 -
 21 ← remainder

$$4051 \div 37 = 109 \text{ remainder } 18$$

109
 37 | 4051
 37
 --
 35
 0
 -
 351
 333

18 ← remainder

$$4051 \div 41 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 41 \overline{) 4051} \\ \underline{369} \end{array}$$

361

328

33 ← remainder

$$4051 \div 43 = 94 \text{ remainder } 9$$

$$\begin{array}{r} 94 \\ 43 \overline{) 4051} \\ \underline{387} \end{array}$$

181

172

9 ← remainder

$$4051 \div 47 = 86 \text{ remainder } 9$$

$$\begin{array}{r} 86 \\ 47 \overline{) 4051} \\ \underline{376} \end{array}$$

291

282

9 ← remainder

$$4051 \div 53 = 76 \text{ remainder } 23$$

$$\begin{array}{r} 76 \\ 53 \overline{) 4051} \\ \underline{371} \end{array}$$

341

318

23 ← remainder

$$4051 \div 59 = 68 \text{ remainder } 39$$

68
59 | 4051
354

511
472

39 ← remainder

$$4051 \div 61 = 66 \text{ remainder } 25$$

66
61 | 4051
366

391
366

25 ← remainder

P₅₆₀ 4057

$$4057 \div 2 = 2028 \text{ remainder } 1$$

$$\begin{array}{r} 2028 \\ 2 \mid 4057 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 5 \\ 4 \\ - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4057 \div 3 = 1352 \text{ remainder } 1$$

$$\begin{array}{r} 1352 \\ 3 \mid 4057 \\ \underline{3} \\ - \\ 10 \\ 9 \\ - \\ 15 \\ 15 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4057 \div 5 = 811 \text{ remainder } 2$$

$$\begin{array}{r} 811 \\ 5 \mid 4057 \\ \underline{40} \\ - - \end{array}$$

```

5
5
-
7
5
-
2 ← remainder

```

$$4057 \div 7 = 579 \text{ remainder } 4$$

```

      579
7 | 4057
   35
   --
   55
   49
   --
   67
   63
   --
   4 ← remainder

```

$$4057 \div 11 = 368 \text{ remainder } 9$$

```

      368
11 | 4057
   33
   --
   75
   66
   --
   97
   88
   --
   9 ← remainder

```

$$4057 \div 13 = 312 \text{ remainder } 1$$

```

      312
13 | 4057
   39
   --
   15
   13

```

```

--
27
26
--
1 ← remainder

```

$$4057 \div 17 = 238 \text{ remainder } 11$$

```

      238
17 | 4057
    34
    --
    65
    51
    --
    147
    136
    ---
    11 ← remainder

```

$$4057 \div 19 = 213 \text{ remainder } 10$$

```

      213
19 | 4057
    38
    --
    25
    19
    --
    67
    57
    --
    10 ← remainder

```

$$4057 \div 23 = 176 \text{ remainder } 9$$

```

      176
23 | 4057
    23
    --
    175
    161
    ---
    147

```

138

9 ← remainder

$$4057 \div 29 = 139 \text{ remainder } 26$$

139

29 | 4057

29

--

115

87

--

287

261

26 ← remainder

$$4057 \div 31 = 130 \text{ remainder } 27$$

130

31 | 4057

31

--

95

93

--

27

0

-

27 ← remainder

$$4057 \div 37 = 109 \text{ remainder } 24$$

109

37 | 4057

37

--

35

0

-

357

333

24 ← remainder

$$4057 \div 41 = 98 \text{ remainder } 39$$

98
41 | 4057
369

367
328

39 ← remainder

$$4057 \div 43 = 94 \text{ remainder } 15$$

94
43 | 4057
387

187
172

15 ← remainder

$$4057 \div 47 = 86 \text{ remainder } 15$$

86
47 | 4057
376

297
282

15 ← remainder

$$4057 \div 53 = 76 \text{ remainder } 29$$

76
53 | 4057
371

347
318

29 ← remainder

$$4057 \div 59 = 68 \text{ remainder } 45$$

68
59 | 4057
354

517
472

45 ← remainder

$$4057 \div 61 = 66 \text{ remainder } 31$$

66
61 | 4057
366

397
366

31 ← remainder

P₅₆₁ 4073

$$4073 \div 2 = 2036 \text{ remainder } 1$$

$$\begin{array}{r} 2036 \\ 2 \mid 4073 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4073 \div 3 = 1357 \text{ remainder } 2$$

$$\begin{array}{r} 1357 \\ 3 \mid 4073 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4073 \div 5 = 814 \text{ remainder } 3$$

$$\begin{array}{r} 814 \\ 5 \mid 4073 \\ \underline{40} \\ - - \end{array}$$

```

7
5
-
23
20
--
3 ← remainder

```

$$4073 \div 7 = 581 \text{ remainder } 6$$

```

581
7 | 4073
35
--
57
56
--
13
7
-
6 ← remainder

```

$$4073 \div 11 = 370 \text{ remainder } 3$$

```

370
11 | 4073
33
--
77
77
--
3
0
-
3 ← remainder

```

$$4073 \div 13 = 313 \text{ remainder } 4$$

```

313
13 | 4073
39
--
17
13

```

```

--
43
39
--
4 ← remainder

```

$$4073 \div 17 = 239 \text{ remainder } 10$$

```

      239
17 | 4073
    34
    --
    67
    51
    --
    163
    153
    ---
    10 ← remainder

```

$$4073 \div 19 = 214 \text{ remainder } 7$$

```

      214
19 | 4073
    38
    --
    27
    19
    --
    83
    76
    --
    7 ← remainder

```

$$4073 \div 23 = 177 \text{ remainder } 2$$

```

      177
23 | 4073
    23
    --
    177
    161
    ---
    163

```

161

 2 ← remainder

$$4073 \div 29 = 140 \text{ remainder } 13$$

140
 29 | 4073
 29
 --
 117
 116

 13
 0
 -
 13 ← remainder

$$4073 \div 31 = 131 \text{ remainder } 12$$

131
 31 | 4073
 31
 --
 97
 93
 --
 43
 31
 --
 12 ← remainder

$$4073 \div 37 = 110 \text{ remainder } 3$$

110
 37 | 4073
 37
 --
 37
 37
 --
 3
 0

-
3 ← remainder

$$4073 \div 41 = 99 \text{ remainder } 14$$

```

    99
41 | 4073
    369
    ---
    383
    369
    ---
    14 ← remainder
```

$$4073 \div 43 = 94 \text{ remainder } 31$$

```

    94
43 | 4073
    387
    ---
    203
    172
    ---
    31 ← remainder
```

$$4073 \div 47 = 86 \text{ remainder } 31$$

```

    86
47 | 4073
    376
    ---
    313
    282
    ---
    31 ← remainder
```

$$4073 \div 53 = 76 \text{ remainder } 45$$

```

    76
53 | 4073
    371
    ---
    363
    318
```

45 ← remainder

$$4073 \div 59 = 69 \text{ remainder } 2$$

69
59 | 4073
354

533
531

2 ← remainder

$$4073 \div 61 = 66 \text{ remainder } 47$$

66
61 | 4073
366

413
366

47 ← remainder

P₅₆₂ 4079

$$4079 \div 2 = 2039 \text{ remainder } 1$$

$$\begin{array}{r} 2039 \\ 2 \mid 4079 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4079 \div 3 = 1359 \text{ remainder } 2$$

$$\begin{array}{r} 1359 \\ 3 \mid 4079 \\ \underline{3} \\ - \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4079 \div 5 = 815 \text{ remainder } 4$$

$$\begin{array}{r} 815 \\ 5 \mid 4079 \\ \underline{40} \\ -- \end{array}$$

```

7
5
-
29
25
--
4 ← remainder

```

$$4079 \div 7 = 582 \text{ remainder } 5$$

```

      582
7 | 4079
   35
   --
   57
   56
   --
   19
   14
   --
   5 ← remainder

```

$$4079 \div 11 = 370 \text{ remainder } 9$$

```

      370
11 | 4079
   33
   --
   77
   77
   --
    9
    0
    -
    9 ← remainder

```

$$4079 \div 13 = 313 \text{ remainder } 10$$

```

      313
13 | 4079
   39
   --
   17
   13

```

```

--
49
39
--
10 ← remainder

```

$$4079 \div 17 = 239 \text{ remainder } 16$$

```

      239
17 | 4079
    34
    --
    67
    51
    --
    169
    153
    ---
    16 ← remainder

```

$$4079 \div 19 = 214 \text{ remainder } 13$$

```

      214
19 | 4079
    38
    --
    27
    19
    --
    89
    76
    --
    13 ← remainder

```

$$4079 \div 23 = 177 \text{ remainder } 8$$

```

      177
23 | 4079
    23
    --
    177
    161
    ---
    169

```

161

 8 ← remainder

$$4079 \div 29 = 140 \text{ remainder } 19$$

140
 29 | 4079
 29
 --
 117
 116

 19
 0
 -
 19 ← remainder

$$4079 \div 31 = 131 \text{ remainder } 18$$

131
 31 | 4079
 31
 --
 97
 93
 --
 49
 31
 --
 18 ← remainder

$$4079 \div 37 = 110 \text{ remainder } 9$$

110
 37 | 4079
 37
 --
 37
 37
 --
 9
 0

-
9 ← remainder

$$4079 \div 41 = 99 \text{ remainder } 20$$

```

    99
41 | 4079
    369
    ---
    389
    369
    ---
    20 ← remainder
```

$$4079 \div 43 = 94 \text{ remainder } 37$$

```

    94
43 | 4079
    387
    ---
    209
    172
    ---
    37 ← remainder
```

$$4079 \div 47 = 86 \text{ remainder } 37$$

```

    86
47 | 4079
    376
    ---
    319
    282
    ---
    37 ← remainder
```

$$4079 \div 53 = 76 \text{ remainder } 51$$

```

    76
53 | 4079
    371
    ---
    369
    318
```

51 ← remainder

$$4079 \div 59 = 69 \text{ remainder } 8$$

69
59 | 4079
354

539
531

8 ← remainder

$$4079 \div 61 = 66 \text{ remainder } 53$$

66
61 | 4079
366

419
366

53 ← remainder

P₅₆₃ 4091

$$4091 \div 2 = 2045 \text{ remainder } 1$$

$$\begin{array}{r} 2045 \\ 2 \mid 4091 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 9 \\ 8 \\ - \\ 11 \\ 10 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4091 \div 3 = 1363 \text{ remainder } 2$$

$$\begin{array}{r} 1363 \\ 3 \mid 4091 \\ \underline{3} \\ - \\ 10 \\ 9 \\ - \\ 19 \\ 18 \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4091 \div 5 = 818 \text{ remainder } 1$$

$$\begin{array}{r} 818 \\ 5 \mid 4091 \\ \underline{40} \\ - - \end{array}$$

```

  9
  5
  -
41
40
--
1 ← remainder

```

$$4091 \div 7 = 584 \text{ remainder } 3$$

```

    584
7 | 4091
   35
   --
   59
   56
   --
   31
   28
   --
   3 ← remainder

```

$$4091 \div 11 = 371 \text{ remainder } 10$$

```

    371
11 | 4091
   33
   --
   79
   77
   --
   21
   11
   --
  10 ← remainder

```

$$4091 \div 13 = 314 \text{ remainder } 9$$

```

    314
13 | 4091
   39
   --
   19
   13

```



```

--
61
52
--
9 ← remainder

```

$$4091 \div 17 = 240 \text{ remainder } 11$$

```

      240
17 | 4091
    34
    --
    69
    68
    --
    11
    0
    -
    11 ← remainder

```

$$4091 \div 19 = 215 \text{ remainder } 6$$

```

      215
19 | 4091
    38
    --
    29
    19
    --
    101
    95
    --
    6 ← remainder

```

$$4091 \div 23 = 177 \text{ remainder } 20$$

```

      177
23 | 4091
    23
    --
    179
    161
    ---
    181

```

161

 20 ← remainder

$$4091 \div 29 = 141 \text{ remainder } 2$$

141
 29 | 4091
 29
 --
 119
 116

 31
 29
 --
 2 ← remainder

$$4091 \div 31 = 131 \text{ remainder } 30$$

131
 31 | 4091
 31
 --
 99
 93
 --
 61
 31
 --
 30 ← remainder

$$4091 \div 37 = 110 \text{ remainder } 21$$

110
 37 | 4091
 37
 --
 39
 37
 --
 21
 0

-
21 ← remainder

$$4091 \div 41 = 99 \text{ remainder } 32$$

99
41 | 4091
369

401
369

32 ← remainder

$$4091 \div 43 = 95 \text{ remainder } 6$$

95
43 | 4091
387

221
215

6 ← remainder

$$4091 \div 47 = 87 \text{ remainder } 2$$

87
47 | 4091
376

331
329

2 ← remainder

$$4091 \div 53 = 77 \text{ remainder } 10$$

77
53 | 4091
371

381
371

10 ← remainder

$$4091 \div 59 = 69 \text{ remainder } 20$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4091} \\ \underline{354} \end{array}$$

551

531

20 ← remainder

$$4091 \div 61 = 67 \text{ remainder } 4$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4091} \\ \underline{366} \end{array}$$

431

427

4 ← remainder

P₅₆₄ 4093

$$4093 \div 2 = 2046 \text{ remainder } 1$$

$$\begin{array}{r} 2046 \\ 2 \mid 4093 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 9 \\ 8 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4093 \div 3 = 1364 \text{ remainder } 1$$

$$\begin{array}{r} 1364 \\ 3 \mid 4093 \\ \underline{3} \\ - \\ 10 \\ 9 \\ - \\ 19 \\ 18 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4093 \div 5 = 818 \text{ remainder } 3$$

$$\begin{array}{r} 818 \\ 5 \mid 4093 \\ \underline{40} \\ - - \end{array}$$

```

  9
  5
  -
43
40
--
3 ← remainder

```

$$4093 \div 7 = 584 \text{ remainder } 5$$

```

  584
7 | 4093
  35
  --
  59
  56
  --
  33
  28
  --
  5 ← remainder

```

$$4093 \div 11 = 372 \text{ remainder } 1$$

```

  372
11 | 4093
   33
   --
   79
   77
   --
   23
   22
   --
   1 ← remainder

```

$$4093 \div 13 = 314 \text{ remainder } 11$$

```

  314
13 | 4093
   39
   --
   19
   13

```

```

--
63
52
--
11 ← remainder

```

$$4093 \div 17 = 240 \text{ remainder } 13$$

```

      240
17 | 4093
    34
    --
    69
    68
    --
    13
    0
    -
    13 ← remainder

```

$$4093 \div 19 = 215 \text{ remainder } 8$$

```

      215
19 | 4093
    38
    --
    29
    19
    --
    103
    95
    --
    8 ← remainder

```

$$4093 \div 23 = 177 \text{ remainder } 22$$

```

      177
23 | 4093
    23
    --
    179
    161
    ---
    183

```

161

 22 ← remainder

$$4093 \div 29 = 141 \text{ remainder } 4$$

141
 29 | 4093
 29
 --
 119
 116

 33
 29
 --
 4 ← remainder

$$4093 \div 31 = 132 \text{ remainder } 1$$

132
 31 | 4093
 31
 --
 99
 93
 --
 63
 62
 --
 1 ← remainder

$$4093 \div 37 = 110 \text{ remainder } 23$$

110
 37 | 4093
 37
 --
 39
 37
 --
 23
 0

-
23 ← remainder

$$4093 \div 41 = 99 \text{ remainder } 34$$

99
41 | 4093
369

403
369

34 ← remainder

$$4093 \div 43 = 95 \text{ remainder } 8$$

95
43 | 4093
387

223
215

8 ← remainder

$$4093 \div 47 = 87 \text{ remainder } 4$$

87
47 | 4093
376

333
329

4 ← remainder

$$4093 \div 53 = 77 \text{ remainder } 12$$

77
53 | 4093
371

383
371

12 ← remainder

$$4093 \div 59 = 69 \text{ remainder } 22$$

69
59 | 4093
354

553
531

22 ← remainder

$$4093 \div 61 = 67 \text{ remainder } 6$$

67
61 | 4093
366

433
427

6 ← remainder

P₅₆₅ 4099

$$4099 \div 2 = 2049 \text{ remainder } 1$$

$$\begin{array}{r} 2049 \\ 2 \mid 4099 \\ \underline{4} \\ - \\ 0 \\ 0 \\ - \\ 9 \\ 8 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4099 \div 3 = 1366 \text{ remainder } 1$$

$$\begin{array}{r} 1366 \\ 3 \mid 4099 \\ \underline{3} \\ - \\ 10 \\ 9 \\ - \\ 19 \\ 18 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4099 \div 5 = 819 \text{ remainder } 4$$

$$\begin{array}{r} 819 \\ 5 \mid 4099 \\ \underline{40} \\ - - \end{array}$$

```

  9
  5
  -
49
45
--
4 ← remainder

```

$$4099 \div 7 = 585 \text{ remainder } 4$$

```

    585
7 | 4099
   35
   --
   59
   56
   --
   39
   35
   --
   4 ← remainder

```

$$4099 \div 11 = 372 \text{ remainder } 7$$

```

    372
11 | 4099
   33
   --
   79
   77
   --
   29
   22
   --
   7 ← remainder

```

$$4099 \div 13 = 315 \text{ remainder } 4$$

```

    315
13 | 4099
   39
   --
   19
   13

```

```

--
69
65
--
4 ← remainder

```

$$4099 \div 17 = 241 \text{ remainder } 2$$

```

      241
17 | 4099
    34
    --
    69
    68
    --
    19
    17
    --
    2 ← remainder

```

$$4099 \div 19 = 215 \text{ remainder } 14$$

```

      215
19 | 4099
    38
    --
    29
    19
    --
    109
    95
    --
    14 ← remainder

```

$$4099 \div 23 = 178 \text{ remainder } 5$$

```

      178
23 | 4099
    23
    --
    179
    161
    ---
    189

```

184

5 ← remainder

$$4099 \div 29 = 141 \text{ remainder } 10$$

141
29 | 4099

29

--

119

116

39

29

--

10 ← remainder

$$4099 \div 31 = 132 \text{ remainder } 7$$

132
31 | 4099

31

--

99

93

--

69

62

--

7 ← remainder

$$4099 \div 37 = 110 \text{ remainder } 29$$

110
37 | 4099

37

--

39

37

--

29

0

-
29 ← remainder

$$4099 \div 41 = 99 \text{ remainder } 40$$

```
    99
41 | 4099
    369
    ---
    409
    369
    ---
    40 ← remainder
```

$$4099 \div 43 = 95 \text{ remainder } 14$$

```
    95
43 | 4099
    387
    ---
    229
    215
    ---
    14 ← remainder
```

$$4099 \div 47 = 87 \text{ remainder } 10$$

```
    87
47 | 4099
    376
    ---
    339
    329
    ---
    10 ← remainder
```

$$4099 \div 53 = 77 \text{ remainder } 18$$

```
    77
53 | 4099
    371
    ---
    389
    371
```

18 ← remainder

$$4099 \div 59 = 69 \text{ remainder } 28$$

$$\begin{array}{r} 69 \\ 59 \overline{) 4099} \\ \underline{354} \end{array}$$

559

531

28 ← remainder

$$4099 \div 61 = 67 \text{ remainder } 12$$

$$\begin{array}{r} 67 \\ 61 \overline{) 4099} \\ \underline{366} \end{array}$$

439

427

12 ← remainder

P₅₆₆ 4111

$$4111 \div 2 = 2055 \text{ remainder } 1$$

$$\begin{array}{r} 2055 \\ 2 \mid 4111 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4111 \div 3 = 1370 \text{ remainder } 1$$

$$\begin{array}{r} 1370 \\ 3 \mid 4111 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 21 \\ \underline{21} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4111 \div 5 = 822 \text{ remainder } 1$$

$$\begin{array}{r} 822 \\ 5 \mid 4111 \\ \underline{40} \\ -- \end{array}$$

```

11
10
--
11
10
--
1 ← remainder

```

$$4111 \div 7 = 587 \text{ remainder } 2$$

```

      587
7 | 4111
   35
   --
   61
   56
   --
   51
   49
   --
   2 ← remainder

```

$$4111 \div 11 = 373 \text{ remainder } 8$$

```

      373
11 | 4111
    33
    --
    81
    77
    --
    41
    33
    --
    8 ← remainder

```

$$4111 \div 13 = 316 \text{ remainder } 3$$

```

      316
13 | 4111
    39
    --
    21
    13

```

```

--
81
78
--
3 ← remainder

```

$$4111 \div 17 = 241 \text{ remainder } 14$$

```

      241
17 | 4111
    34
    --
    71
    68
    --
    31
    17
    --
    14 ← remainder

```

$$4111 \div 19 = 216 \text{ remainder } 7$$

```

      216
19 | 4111
    38
    --
    31
    19
    --
    121
    114
    ---
    7 ← remainder

```

$$4111 \div 23 = 178 \text{ remainder } 17$$

```

      178
23 | 4111
    23
    --
    181
    161
    ---
    201

```

184

17 ← remainder

$$4111 \div 29 = 141 \text{ remainder } 22$$

141

29 | 4111

29

--

121

116

51

29

--

22 ← remainder

$$4111 \div 31 = 132 \text{ remainder } 19$$

132

31 | 4111

31

--

101

93

--

81

62

--

19 ← remainder

$$4111 \div 37 = 111 \text{ remainder } 4$$

111

37 | 4111

37

--

41

37

--

41

37

--
4 ← remainder

$$4111 \div 41 = 100 \text{ remainder } 11$$

100
41 | 4111
41
--
1
0
-
11
0
-
11 ← remainder

$$4111 \div 43 = 95 \text{ remainder } 26$$

95
43 | 4111
387

241
215

26 ← remainder

$$4111 \div 47 = 87 \text{ remainder } 22$$

87
47 | 4111
376

351
329

22 ← remainder

$$4111 \div 53 = 77 \text{ remainder } 30$$

77
53 | 4111
371

```

  ---
401
371
  ---
30 ← remainder

```

$$4111 \div 59 = 69 \text{ remainder } 40$$

```

    69
59 | 4111
    354
    ---
    571
    531
    ---
    40 ← remainder

```

$$4111 \div 61 = 67 \text{ remainder } 24$$

```

    67
61 | 4111
    366
    ---
    451
    427
    ---
    24 ← remainder

```

P₅₆₇ 4127

$$4127 \div 2 = 2063 \text{ remainder } 1$$

$$\begin{array}{r} 2063 \\ 2 \mid 4127 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4127 \div 3 = 1375 \text{ remainder } 2$$

$$\begin{array}{r} 1375 \\ 3 \mid 4127 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 22 \\ \underline{21} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4127 \div 5 = 825 \text{ remainder } 2$$

$$\begin{array}{r} 825 \\ 5 \mid 4127 \\ \underline{40} \\ -- \end{array}$$

```

12
10
--
27
25
--
2 ← remainder

```

$$4127 \div 7 = 589 \text{ remainder } 4$$

```

      589
7 | 4127
   35
   --
   62
   56
   --
   67
   63
   --
   4 ← remainder

```

$$4127 \div 11 = 375 \text{ remainder } 2$$

```

      375
11 | 4127
    33
    --
    82
    77
    --
    57
    55
    --
    2 ← remainder

```

$$4127 \div 13 = 317 \text{ remainder } 6$$

```

      317
13 | 4127
    39
    --
    22
    13

```



```

--
97
91
--
6 ← remainder

```

$$4127 \div 17 = 242 \text{ remainder } 13$$

```

      242
17 | 4127
    34
    --
    72
    68
    --
    47
    34
    --
    13 ← remainder

```

$$4127 \div 19 = 217 \text{ remainder } 4$$

```

      217
19 | 4127
    38
    --
    32
    19
    --
    137
    133
    ---
    4 ← remainder

```

$$4127 \div 23 = 179 \text{ remainder } 10$$

```

      179
23 | 4127
    23
    --
    182
    161
    ---
    217

```

207

10 \leftarrow remainder

$$4127 \div 29 = 142 \text{ remainder } 9$$

142
29 | 4127
29

--

122

116

67

58

--

9 \leftarrow remainder

$$4127 \div 31 = 133 \text{ remainder } 4$$

133
31 | 4127
31

--

102

93

--

97

93

--

4 \leftarrow remainder

$$4127 \div 37 = 111 \text{ remainder } 20$$

111
37 | 4127
37

--

42

37

--

57

37

--
20 ← remainder

$$4127 \div 41 = 100 \text{ remainder } 27$$

100
41 | 4127
41
--
2
0
-
27
0
-
27 ← remainder

$$4127 \div 43 = 95 \text{ remainder } 42$$

95
43 | 4127
387

257
215

42 ← remainder

$$4127 \div 47 = 87 \text{ remainder } 38$$

87
47 | 4127
376

367
329

38 ← remainder

$$4127 \div 53 = 77 \text{ remainder } 46$$

77
53 | 4127
371

```

  ---
417
371
  ---
46 ← remainder

```

$$4127 \div 59 = 69 \text{ remainder } 56$$

```

    69
59 | 4127
    354
    ---
    587
    531
    ---
    56 ← remainder

```

$$4127 \div 61 = 67 \text{ remainder } 40$$

```

    67
61 | 4127
    366
    ---
    467
    427
    ---
    40 ← remainder

```

P₅₆₈ 4129

$$4129 \div 2 = 2064 \text{ remainder } 1$$

$$\begin{array}{r} 2064 \\ 2 \mid 4129 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 12 \\ \underline{12} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4129 \div 3 = 1376 \text{ remainder } 1$$

$$\begin{array}{r} 1376 \\ 3 \mid 4129 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 22 \\ \underline{21} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4129 \div 5 = 825 \text{ remainder } 4$$

$$\begin{array}{r} 825 \\ 5 \mid 4129 \\ \underline{40} \\ -- \end{array}$$

```

12
10
--
29
25
--
4 ← remainder

```

$$4129 \div 7 = 589 \text{ remainder } 6$$

```

      589
7 | 4129
   35
   --
   62
   56
   --
   69
   63
   --
   6 ← remainder

```

$$4129 \div 11 = 375 \text{ remainder } 4$$

```

      375
11 | 4129
   33
   --
   82
   77
   --
   59
   55
   --
   4 ← remainder

```

$$4129 \div 13 = 317 \text{ remainder } 8$$

```

      317
13 | 4129
   39
   --
   22
   13

```

```

--
99
91
--
8 ← remainder

```

$$4129 \div 17 = 242 \text{ remainder } 15$$

```

      242
17 | 4129
    34
    --
    72
    68
    --
    49
    34
    --
    15 ← remainder

```

$$4129 \div 19 = 217 \text{ remainder } 6$$

```

      217
19 | 4129
    38
    --
    32
    19
    --
    139
    133
    ---
    6 ← remainder

```

$$4129 \div 23 = 179 \text{ remainder } 12$$

```

      179
23 | 4129
    23
    --
    182
    161
    ---
    219

```

207

12 \leftarrow remainder

$$4129 \div 29 = 142 \text{ remainder } 11$$

142
29 | 4129
29

--

122

116

69

58

--

11 \leftarrow remainder

$$4129 \div 31 = 133 \text{ remainder } 6$$

133
31 | 4129
31

--

102

93

--

99

93

--

6 \leftarrow remainder

$$4129 \div 37 = 111 \text{ remainder } 22$$

111
37 | 4129
37

--

42

37

--

59

37

--
22 ← remainder

$$4129 \div 41 = 100 \text{ remainder } 29$$

100
41 | 4129
41
--
2
0
-
29
0
-
29 ← remainder

$$4129 \div 43 = 96 \text{ remainder } 1$$

96
43 | 4129
387

259
258

1 ← remainder

$$4129 \div 47 = 87 \text{ remainder } 40$$

87
47 | 4129
376

369
329

40 ← remainder

$$4129 \div 53 = 77 \text{ remainder } 48$$

77
53 | 4129
371

```

  ---
419
371
  ---
48 ← remainder

```

$$4129 \div 59 = 69 \text{ remainder } 58$$

```

    69
59 | 4129
    354
    ---
    589
    531
    ---
    58 ← remainder

```

$$4129 \div 61 = 67 \text{ remainder } 42$$

```

    67
61 | 4129
    366
    ---
    469
    427
    ---
    42 ← remainder

```

P₅₆₉ 4133

$$4133 \div 2 = 2066 \text{ remainder } 1$$

$$\begin{array}{r} 2066 \\ 2 \mid 4133 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4133 \div 3 = 1377 \text{ remainder } 2$$

$$\begin{array}{r} 1377 \\ 3 \mid 4133 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4133 \div 5 = 826 \text{ remainder } 3$$

$$\begin{array}{r} 826 \\ 5 \mid 4133 \\ \underline{40} \\ - \end{array}$$

```

13
10
--
33
30
--
3 ← remainder

```

$$4133 \div 7 = 590 \text{ remainder } 3$$

```

      590
7 | 4133
   35
   --
   63
   63
   --
    3
    0
    -
    3 ← remainder

```

$$4133 \div 11 = 375 \text{ remainder } 8$$

```

      375
11 | 4133
    33
    --
    83
    77
    --
    63
    55
    --
    8 ← remainder

```

$$4133 \div 13 = 317 \text{ remainder } 12$$

```

      317
13 | 4133
    39
    --
    23
    13

```

```

--
103
91
--
12 ← remainder

```

$$4133 \div 17 = 243 \text{ remainder } 2$$

```

      243
17 | 4133
    34
    --
     73
     68
     --
     53
     51
     --
      2 ← remainder

```

$$4133 \div 19 = 217 \text{ remainder } 10$$

```

      217
19 | 4133
    38
    --
     33
     19
     --
     143
     133
     ---
      10 ← remainder

```

$$4133 \div 23 = 179 \text{ remainder } 16$$

```

      179
23 | 4133
    23
    --
    183
    161
    ---
     223

```

207

16 ← remainder

$$4133 \div 29 = 142 \text{ remainder } 15$$

142
29 | 4133
29

--

123

116

73

58

--

15 ← remainder

$$4133 \div 31 = 133 \text{ remainder } 10$$

133
31 | 4133
31

--

103

93

--

103

93

--

10 ← remainder

$$4133 \div 37 = 111 \text{ remainder } 26$$

111
37 | 4133
37

--

43

37

--

63

37

--
26 ← remainder

$$4133 \div 41 = 100 \text{ remainder } 33$$

100
41 | 4133
41
--
3
0
-
33
0
-
33 ← remainder

$$4133 \div 43 = 96 \text{ remainder } 5$$

96
43 | 4133
387

263
258

5 ← remainder

$$4133 \div 47 = 87 \text{ remainder } 44$$

87
47 | 4133
376

373
329

44 ← remainder

$$4133 \div 53 = 77 \text{ remainder } 52$$

77
53 | 4133
371

```

  ---
423
371
  ---
52 ← remainder

```

$$4133 \div 59 = 70 \text{ remainder } 3$$

```

    70
59 | 4133
    413
    ---
     3
     0
     -
     3 ← remainder

```

$$4133 \div 61 = 67 \text{ remainder } 46$$

```

    67
61 | 4133
    366
    ---
    473
    427
    ---
    46 ← remainder

```


P₅₇₀ 4139

$$4139 \div 2 = 2069 \text{ remainder } 1$$

$$\begin{array}{r} 2069 \\ 2 \mid 4139 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4139 \div 3 = 1379 \text{ remainder } 2$$

$$\begin{array}{r} 1379 \\ 3 \mid 4139 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4139 \div 5 = 827 \text{ remainder } 4$$

$$\begin{array}{r} 827 \\ 5 \mid 4139 \\ \underline{40} \\ - \end{array}$$

```

13
10
--
39
35
--
4 ← remainder

```

$$4139 \div 7 = 591 \text{ remainder } 2$$

```

    591
7 | 4139
   35
   --
   63
   63
   --
    9
    7
    -
    2 ← remainder

```

$$4139 \div 11 = 376 \text{ remainder } 3$$

```

    376
11 | 4139
   33
   --
   83
   77
   --
   69
   66
   --
    3 ← remainder

```

$$4139 \div 13 = 318 \text{ remainder } 5$$

```

    318
13 | 4139
   39
   --
   23
   13

```

```

--
109
104
---
5 ← remainder

```

$$4139 \div 17 = 243 \text{ remainder } 8$$

```

      243
17 | 4139
    34
    --
     73
     68
     --
     59
     51
     --
     8 ← remainder

```

$$4139 \div 19 = 217 \text{ remainder } 16$$

```

      217
19 | 4139
    38
    --
     33
     19
     --
     149
     133
     ---
     16 ← remainder

```

$$4139 \div 23 = 179 \text{ remainder } 22$$

```

      179
23 | 4139
    23
    --
     183
     161
     ---
     229

```

207

22 ← remainder

$$4139 \div 29 = 142 \text{ remainder } 21$$

142
29 | 4139
29

--

123

116

79

58

--

21 ← remainder

$$4139 \div 31 = 133 \text{ remainder } 16$$

133
31 | 4139
31

--

103

93

--

109

93

--

16 ← remainder

$$4139 \div 37 = 111 \text{ remainder } 32$$

111
37 | 4139
37

--

43

37

--

69

37

--
32 ← remainder

$$4139 \div 41 = 100 \text{ remainder } 39$$

100
41 | 4139
41
--
3
0
-
39
0
-
39 ← remainder

$$4139 \div 43 = 96 \text{ remainder } 11$$

96
43 | 4139
387

269
258

11 ← remainder

$$4139 \div 47 = 88 \text{ remainder } 3$$

88
47 | 4139
376

379
376

3 ← remainder

$$4139 \div 53 = 78 \text{ remainder } 5$$

78
53 | 4139
371

```

  ---
429
424
  ---
5 ← remainder

```

$$4139 \div 59 = 70 \text{ remainder } 9$$

```

    70
59 | 4139
    413
    ---
     9
     0
     -
     9 ← remainder

```

$$4139 \div 61 = 67 \text{ remainder } 52$$

```

    67
61 | 4139
    366
    ---
    479
    427
    ---
    52 ← remainder

```

P₅₇₁ 4153

$$4153 \div 2 = 2076 \text{ remainder } 1$$

$$\begin{array}{r} 2076 \\ 2 \mid 4153 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 15 \\ \underline{14} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4153 \div 3 = 1384 \text{ remainder } 1$$

$$\begin{array}{r} 1384 \\ 3 \mid 4153 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 25 \\ \underline{24} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4153 \div 5 = 830 \text{ remainder } 3$$

$$\begin{array}{r} 830 \\ 5 \mid 4153 \\ \underline{40} \\ -- \end{array}$$

```

15
15
--
3
0
-
3 ← remainder

```

$$4153 \div 7 = 593 \text{ remainder } 2$$

```

593
7 | 4153
35
--
65
63
--
23
21
--
2 ← remainder

```

$$4153 \div 11 = 377 \text{ remainder } 6$$

```

377
11 | 4153
33
--
85
77
--
83
77
--
6 ← remainder

```

$$4153 \div 13 = 319 \text{ remainder } 6$$

```

319
13 | 4153
39
--
25
13

```



```

--
123
117
---
6 ← remainder

```

$$4153 \div 17 = 244 \text{ remainder } 5$$

```

      244
17 | 4153
    34
    --
     75
     68
     --
     73
     68
     --
      5 ← remainder

```

$$4153 \div 19 = 218 \text{ remainder } 11$$

```

      218
19 | 4153
    38
    --
     35
     19
     --
     163
     152
     ---
      11 ← remainder

```

$$4153 \div 23 = 180 \text{ remainder } 13$$

```

      180
23 | 4153
    23
    --
     185
     184
     ---
      13

```

0
-
13 ← remainder

$$4153 \div 29 = 143 \text{ remainder } 6$$

143
29 | 4153
29
--
125
116

93
87
--
6 ← remainder

$$4153 \div 31 = 133 \text{ remainder } 30$$

133
31 | 4153
31
--
105
93
--
123
93
--
30 ← remainder

$$4153 \div 37 = 112 \text{ remainder } 9$$

112
37 | 4153
37
--
45
37
--
83
74

--
9 ← remainder

$$4153 \div 41 = 101 \text{ remainder } 12$$

101
41 | 4153
41
--
5
0
-
53
41
--
12 ← remainder

$$4153 \div 43 = 96 \text{ remainder } 25$$

96
43 | 4153
387

283
258

25 ← remainder

$$4153 \div 47 = 88 \text{ remainder } 17$$

88
47 | 4153
376

393
376

17 ← remainder

$$4153 \div 53 = 78 \text{ remainder } 19$$

78
53 | 4153
371

443

424

19 ← remainder

$$4153 \div 59 = 70 \text{ remainder } 23$$

70

59 | 4153

413

23

0

-

23 ← remainder

$$4153 \div 61 = 68 \text{ remainder } 5$$

68

61 | 4153

366

493

488

5 ← remainder

P₅₇₂ 4157

$$4157 \div 2 = 2078 \text{ remainder } 1$$

$$\begin{array}{r} 2078 \\ 2 \mid 4157 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 15 \\ \underline{14} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4157 \div 3 = 1385 \text{ remainder } 2$$

$$\begin{array}{r} 1385 \\ 3 \mid 4157 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 25 \\ \underline{24} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4157 \div 5 = 831 \text{ remainder } 2$$

$$\begin{array}{r} 831 \\ 5 \mid 4157 \\ \underline{40} \\ - \end{array}$$

```

15
15
--
7
5
-
2 ← remainder

```

$$4157 \div 7 = 593 \text{ remainder } 6$$

```

593
7 | 4157
35
--
65
63
--
27
21
--
6 ← remainder

```

$$4157 \div 11 = 377 \text{ remainder } 10$$

```

377
11 | 4157
33
--
85
77
--
87
77
--
10 ← remainder

```

$$4157 \div 13 = 319 \text{ remainder } 10$$

```

319
13 | 4157
39
--
25
13

```

```

--
127
117
---
10 ← remainder

```

$$4157 \div 17 = 244 \text{ remainder } 9$$

```

244
17 | 4157
   34
   --
   75
   68
   --
   77
   68
   --
   9 ← remainder

```

$$4157 \div 19 = 218 \text{ remainder } 15$$

```

218
19 | 4157
   38
   --
   35
   19
   --
   167
   152
   ---
   15 ← remainder

```

$$4157 \div 23 = 180 \text{ remainder } 17$$

```

180
23 | 4157
   23
   --
   185
   184
   ---
   17

```

0
-
17 ← remainder

$$4157 \div 29 = 143 \text{ remainder } 10$$

143
29 | 4157
29
--
125
116

97
87
--
10 ← remainder

$$4157 \div 31 = 134 \text{ remainder } 3$$

134
31 | 4157
31
--
105
93
--
127
124

3 ← remainder

$$4157 \div 37 = 112 \text{ remainder } 13$$

112
37 | 4157
37
--
45
37
--
87
74

--
13 ← remainder

$$4157 \div 41 = 101 \text{ remainder } 16$$

101
41 | 4157
41
--
5
0
-
57
41
--
16 ← remainder

$$4157 \div 43 = 96 \text{ remainder } 29$$

96
43 | 4157
387

287
258

29 ← remainder

$$4157 \div 47 = 88 \text{ remainder } 21$$

88
47 | 4157
376

397
376

21 ← remainder

$$4157 \div 53 = 78 \text{ remainder } 23$$

78
53 | 4157
371

447
424

23 ← remainder

$$4157 \div 59 = 70 \text{ remainder } 27$$

70
59 | 4157
413

27
0
-

27 ← remainder

$$4157 \div 61 = 68 \text{ remainder } 9$$

68
61 | 4157
366

497
488

9 ← remainder

P₅₇₃ 4159

$$4159 \div 2 = 2079 \text{ remainder } 1$$

$$\begin{array}{r} 2079 \\ 2 \mid 4159 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 15 \\ \underline{14} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4159 \div 3 = 1386 \text{ remainder } 1$$

$$\begin{array}{r} 1386 \\ 3 \mid 4159 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 25 \\ \underline{24} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4159 \div 5 = 831 \text{ remainder } 4$$

$$\begin{array}{r} 831 \\ 5 \mid 4159 \\ \underline{40} \\ - \end{array}$$

```

15
15
--
9
5
-
4 ← remainder

```

$$4159 \div 7 = 594 \text{ remainder } 1$$

```

    594
7 | 4159
   35
   --
   65
   63
   --
   29
   28
   --
   1 ← remainder

```

$$4159 \div 11 = 378 \text{ remainder } 1$$

```

    378
11 | 4159
   33
   --
   85
   77
   --
   89
   88
   --
   1 ← remainder

```

$$4159 \div 13 = 319 \text{ remainder } 12$$

```

    319
13 | 4159
   39
   --
   25
   13

```

```

--
129
117
---
12 ← remainder

```

$$4159 \div 17 = 244 \text{ remainder } 11$$

```

244
17 | 4159
   34
   --
   75
   68
   --
   79
   68
   --
   11 ← remainder

```

$$4159 \div 19 = 218 \text{ remainder } 17$$

```

218
19 | 4159
   38
   --
   35
   19
   --
   169
   152
   ---
   17 ← remainder

```

$$4159 \div 23 = 180 \text{ remainder } 19$$

```

180
23 | 4159
   23
   --
   185
   184
   ---
   19

```

0
-
19 ← remainder

$$4159 \div 29 = 143 \text{ remainder } 12$$

143
29 | 4159
29
--
125
116

99
87
--
12 ← remainder

$$4159 \div 31 = 134 \text{ remainder } 5$$

134
31 | 4159
31
--
105
93
--
129
124

5 ← remainder

$$4159 \div 37 = 112 \text{ remainder } 15$$

112
37 | 4159
37
--
45
37
--
89
74

--
15 ← remainder

$$4159 \div 41 = 101 \text{ remainder } 18$$

101
41 | 4159
41
--
5
0
-
59
41
--
18 ← remainder

$$4159 \div 43 = 96 \text{ remainder } 31$$

96
43 | 4159
387

289
258

31 ← remainder

$$4159 \div 47 = 88 \text{ remainder } 23$$

88
47 | 4159
376

399
376

23 ← remainder

$$4159 \div 53 = 78 \text{ remainder } 25$$

78
53 | 4159
371

```

  ---
449
424
  ---
25 ← remainder

```

$$4159 \div 59 = 70 \text{ remainder } 29$$

```

    70
59 | 4159
    413
    ---
    29
    0
    -
    29 ← remainder

```

$$4159 \div 61 = 68 \text{ remainder } 11$$

```

    68
61 | 4159
    366
    ---
    499
    488
    ---
    11 ← remainder

```


P₅₇₄ 4177

$$4177 \div 2 = 2088 \text{ remainder } 1$$

$$\begin{array}{r} 2088 \\ 2 \mid 4177 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4177 \div 3 = 1392 \text{ remainder } 1$$

$$\begin{array}{r} 1392 \\ 3 \mid 4177 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 27 \\ \underline{27} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4177 \div 5 = 835 \text{ remainder } 2$$

$$\begin{array}{r} 835 \\ 5 \mid 4177 \\ \underline{40} \\ -- \end{array}$$

```

17
15
--
27
25
--
2 ← remainder

```

$$4177 \div 7 = 596 \text{ remainder } 5$$

```

    596
7 | 4177
   35
   --
   67
   63
   --
   47
   42
   --
   5 ← remainder

```

$$4177 \div 11 = 379 \text{ remainder } 8$$

```

    379
11 | 4177
   33
   --
   87
   77
   --
  107
   99
   --
   8 ← remainder

```

$$4177 \div 13 = 321 \text{ remainder } 4$$

```

    321
13 | 4177
   39
   --
   27
   26

```

```

--
17
13
--
4 ← remainder

```

$$4177 \div 17 = 245 \text{ remainder } 12$$

```

      245
17 | 4177
    34
    --
    77
    68
    --
    97
    85
    --
    12 ← remainder

```

$$4177 \div 19 = 219 \text{ remainder } 16$$

```

      219
19 | 4177
    38
    --
    37
    19
    --
    187
    171
    ---
    16 ← remainder

```

$$4177 \div 23 = 181 \text{ remainder } 14$$

```

      181
23 | 4177
    23
    --
    187
    184
    ---
    37

```

23

--

14 ← remainder

$4177 \div 29 = 144 \text{ remainder } 1$

144
29 | 4177
29

--

127

116

117

116

1 ← remainder

$4177 \div 31 = 134 \text{ remainder } 23$

134
31 | 4177
31

--

107

93

--

147

124

23 ← remainder

$4177 \div 37 = 112 \text{ remainder } 33$

112
37 | 4177
37

--

47

37

--

107

74

--
33 ← remainder

$$4177 \div 41 = 101 \text{ remainder } 36$$

101
41 | 4177
41
--
7
0
-
77
41
--
36 ← remainder

$$4177 \div 43 = 97 \text{ remainder } 6$$

97
43 | 4177
387

307
301

6 ← remainder

$$4177 \div 47 = 88 \text{ remainder } 41$$

88
47 | 4177
376

417
376

41 ← remainder

$$4177 \div 53 = 78 \text{ remainder } 43$$

78
53 | 4177
371

```

  ---
467
424
  ---
43 ← remainder

```

$$4177 \div 59 = 70 \text{ remainder } 47$$

```

    70
59 | 4177
    413
    ---
    47
    0
    -
    47 ← remainder

```

$$4177 \div 61 = 68 \text{ remainder } 29$$

```

    68
61 | 4177
    366
    ---
    517
    488
    ---
    29 ← remainder

```

P₅₇₅ 4201

$$4201 \div 2 = 2100 \text{ remainder } 1$$

$$\begin{array}{r} 2100 \\ 2 \mid 4201 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4201 \div 3 = 1400 \text{ remainder } 1$$

$$\begin{array}{r} 1400 \\ 3 \mid 4201 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4201 \div 5 = 840 \text{ remainder } 1$$

$$\begin{array}{r} 840 \\ 5 \mid 4201 \\ \underline{40} \\ - - \end{array}$$

```

20
20
--
1
0
-
1 ← remainder

```

$$4201 \div 7 = 600 \text{ remainder } 1$$

```

    600
7 | 4201
   42
   --
    0
    0
    -
    1
    0
    -
    1 ← remainder

```

$$4201 \div 11 = 381 \text{ remainder } 10$$

```

    381
11 | 4201
   33
   --
   90
   88
   --
   21
   11
   --
   10 ← remainder

```

$$4201 \div 13 = 323 \text{ remainder } 2$$

```

    323
13 | 4201
   39
   --
   30
   26

```



```

--
41
39
--
2 ← remainder

```

$$4201 \div 17 = 247 \text{ remainder } 2$$

```

      247
17 | 4201
    34
    --
    80
    68
    --
    121
    119
    ---
    2 ← remainder

```

$$4201 \div 19 = 221 \text{ remainder } 2$$

```

      221
19 | 4201
    38
    --
    40
    38
    --
    21
    19
    --
    2 ← remainder

```

$$4201 \div 23 = 182 \text{ remainder } 15$$

```

      182
23 | 4201
    23
    --
    190
    184
    ---
    61

```

46

--

15 ← remainder

$$4201 \div 29 = 144 \text{ remainder } 25$$

144

29 | 4201

29

--

130

116

141

116

25 ← remainder

$$4201 \div 31 = 135 \text{ remainder } 16$$

135

31 | 4201

31

--

110

93

--

171

155

16 ← remainder

$$4201 \div 37 = 113 \text{ remainder } 20$$

113

37 | 4201

37

--

50

37

--

131

111

20 ← remainder

$$4201 \div 41 = 102 \text{ remainder } 19$$

```
      102
41 | 4201
    41
    --
    10
    0
    -
    101
    82
    --
    19 ← remainder
```

$$4201 \div 43 = 97 \text{ remainder } 30$$

```
      97
43 | 4201
    387
    ---
    331
    301
    ---
    30 ← remainder
```

$$4201 \div 47 = 89 \text{ remainder } 18$$

```
      89
47 | 4201
    376
    ---
    441
    423
    ---
    18 ← remainder
```

$$4201 \div 53 = 79 \text{ remainder } 14$$

```
      79
53 | 4201
    371
```

491
477

14 ← remainder

$$4201 \div 59 = 71 \text{ remainder } 12$$

71
59 | 4201
413

71
59

--
12 ← remainder

$$4201 \div 61 = 68 \text{ remainder } 53$$

68
61 | 4201
366

541
488

53 ← remainder

P₅₇₆ 4211

$$4211 \div 2 = 2105 \text{ remainder } 1$$

$$\begin{array}{r} 2105 \\ 2 \mid 4211 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4211 \div 3 = 1403 \text{ remainder } 2$$

$$\begin{array}{r} 1403 \\ 3 \mid 4211 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4211 \div 5 = 842 \text{ remainder } 1$$

$$\begin{array}{r} 842 \\ 5 \mid 4211 \\ \underline{40} \\ - - \end{array}$$

```

21
20
--
11
10
--
1 ← remainder

```

$$4211 \div 7 = 601 \text{ remainder } 4$$

```

    601
7 | 4211
   42
   --
    1
    0
    -
    11
    7
    -
    4 ← remainder

```

$$4211 \div 11 = 382 \text{ remainder } 9$$

```

    382
11 | 4211
   33
   --
    91
    88
    --
    31
    22
    --
    9 ← remainder

```

$$4211 \div 13 = 323 \text{ remainder } 12$$

```

    323
13 | 4211
   39
   --
    31
    26

```

```

--
51
39
--
12 ← remainder

```

$$4211 \div 17 = 247 \text{ remainder } 12$$

```

      247
17 | 4211
    34
    --
     81
     68
     --
    131
    119
    ---
     12 ← remainder

```

$$4211 \div 19 = 221 \text{ remainder } 12$$

```

      221
19 | 4211
    38
    --
     41
     38
     --
     31
     19
     --
     12 ← remainder

```

$$4211 \div 23 = 183 \text{ remainder } 2$$

```

      183
23 | 4211
    23
    --
    191
    184
    ---
     71

```

69
 --
 2 ← remainder

$$4211 \div 29 = 145 \text{ remainder } 6$$

145
 29 | 4211
 29
 --
 131
 116

 151
 145

 6 ← remainder

$$4211 \div 31 = 135 \text{ remainder } 26$$

135
 31 | 4211
 31
 --
 111
 93
 --
 181
 155

 26 ← remainder

$$4211 \div 37 = 113 \text{ remainder } 30$$

113
 37 | 4211
 37
 --
 51
 37
 --
 141
 111

30 ← remainder

$$4211 \div 41 = 102 \text{ remainder } 29$$

```
      102
41 | 4211
    41
    --
    11
    0
    -
    111
    82
    --
    29 ← remainder
```

$$4211 \div 43 = 97 \text{ remainder } 40$$

```
      97
43 | 4211
    387
    ---
    341
    301
    ---
    40 ← remainder
```

$$4211 \div 47 = 89 \text{ remainder } 28$$

```
      89
47 | 4211
    376
    ---
    451
    423
    ---
    28 ← remainder
```

$$4211 \div 53 = 79 \text{ remainder } 24$$

```
      79
53 | 4211
    371
```

501
477

24 \leftarrow remainder

$$4211 \div 59 = 71 \text{ remainder } 22$$

71
59 | 4211
413

81
59

--
22 \leftarrow remainder

$$4211 \div 61 = 69 \text{ remainder } 2$$

69
61 | 4211
366

551
549

2 \leftarrow remainder

P₅₇₇ 4217

$$4217 \div 2 = 2108 \text{ remainder } 1$$

$$\begin{array}{r} 2108 \\ 2 \mid 4217 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4217 \div 3 = 1405 \text{ remainder } 2$$

$$\begin{array}{r} 1405 \\ 3 \mid 4217 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4217 \div 5 = 843 \text{ remainder } 2$$

$$\begin{array}{r} 843 \\ 5 \mid 4217 \\ \underline{40} \\ -- \end{array}$$

```

21
20
--
17
15
--
2 ← remainder

```

$$4217 \div 7 = 602 \text{ remainder } 3$$

```

    602
7 | 4217
   42
   --
    1
    0
    -
    17
    14
    --
    3 ← remainder

```

$$4217 \div 11 = 383 \text{ remainder } 4$$

```

    383
11 | 4217
    33
    --
    91
    88
    --
    37
    33
    --
    4 ← remainder

```

$$4217 \div 13 = 324 \text{ remainder } 5$$

```

    324
13 | 4217
    39
    --
    31
    26

```

```

--
57
52
--
5 ← remainder

```

$$4217 \div 17 = 248 \text{ remainder } 1$$

```

      248
17 | 4217
    34
    --
    81
    68
    --
    137
    136
    ---
    1 ← remainder

```

$$4217 \div 19 = 221 \text{ remainder } 18$$

```

      221
19 | 4217
    38
    --
    41
    38
    --
    37
    19
    --
    18 ← remainder

```

$$4217 \div 23 = 183 \text{ remainder } 8$$

```

      183
23 | 4217
    23
    --
    191
    184
    ---
    77

```

69

--

8 \leftarrow remainder

$$4217 \div 29 = 145 \text{ remainder } 12$$

145
29 | 4217
29

--

131

116

157

145

12 \leftarrow remainder

$$4217 \div 31 = 136 \text{ remainder } 1$$

136
31 | 4217
31

--

111

93

--

187

186

1 \leftarrow remainder

$$4217 \div 37 = 113 \text{ remainder } 36$$

113
37 | 4217
37

--

51

37

--

147

111

36 ← remainder

$$4217 \div 41 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 41 \overline{) 4217} \\ \underline{41} \\ 11 \\ \underline{0} \\ 117 \\ \underline{82} \\ 35 \end{array}$$

--

11

0

-

117

82

--

35 ← remainder

$$4217 \div 43 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4217} \\ \underline{387} \\ 347 \\ \underline{344} \\ 3 \end{array}$$

347

344

3 ← remainder

$$4217 \div 47 = 89 \text{ remainder } 34$$

$$\begin{array}{r} 89 \\ 47 \overline{) 4217} \\ \underline{376} \\ 457 \\ \underline{423} \\ 34 \end{array}$$

457

423

34 ← remainder

$$4217 \div 53 = 79 \text{ remainder } 30$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4217} \\ \underline{371} \end{array}$$

```

  ---
507
477
  ---
30 ← remainder

```

$$4217 \div 59 = 71 \text{ remainder } 28$$

```

    71
59 | 4217
    413
    ---
     87
     59
     --
    28 ← remainder

```

$$4217 \div 61 = 69 \text{ remainder } 8$$

```

    69
61 | 4217
    366
    ---
    557
    549
    ---
     8 ← remainder

```


P₅₇₈ 4219

$$4219 \div 2 = 2109 \text{ remainder } 1$$

$$\begin{array}{r} 2109 \\ 2 \mid 4219 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4219 \div 3 = 1406 \text{ remainder } 1$$

$$\begin{array}{r} 1406 \\ 3 \mid 4219 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4219 \div 5 = 843 \text{ remainder } 4$$

$$\begin{array}{r} 843 \\ 5 \mid 4219 \\ \underline{40} \\ - - \end{array}$$

```

21
20
--
19
15
--
4 ← remainder

```

$$4219 \div 7 = 602 \text{ remainder } 5$$

```

    602
7 | 4219
   42
   --
    1
    0
    -
    19
    14
    --
    5 ← remainder

```

$$4219 \div 11 = 383 \text{ remainder } 6$$

```

    383
11 | 4219
    33
    --
    91
    88
    --
    39
    33
    --
    6 ← remainder

```

$$4219 \div 13 = 324 \text{ remainder } 7$$

```

    324
13 | 4219
    39
    --
    31
    26

```

```

--
59
52
--
7 ← remainder

```

$$4219 \div 17 = 248 \text{ remainder } 3$$

```

248
17 | 4219
   34
   --
   81
   68
   --
  139
  136
  ---
   3 ← remainder

```

$$4219 \div 19 = 222 \text{ remainder } 1$$

```

222
19 | 4219
   38
   --
   41
   38
   --
   39
   38
   --
   1 ← remainder

```

$$4219 \div 23 = 183 \text{ remainder } 10$$

```

183
23 | 4219
   23
   --
  191
  184
  ---
   79

```

69

--

10 \leftarrow remainder

$$4219 \div 29 = 145 \text{ remainder } 14$$

145
29 | 4219
29

--

131

116

159

145

14 \leftarrow remainder

$$4219 \div 31 = 136 \text{ remainder } 3$$

136
31 | 4219
31

--

111

93

--

189

186

3 \leftarrow remainder

$$4219 \div 37 = 114 \text{ remainder } 1$$

114
37 | 4219
37

--

51

37

--

149

148

1 ← remainder

$$4219 \div 41 = 102 \text{ remainder } 37$$

$$\begin{array}{r} 102 \\ 41 \overline{) 4219} \\ \underline{41} \end{array}$$

--

11

0

-

119

82

--

37 ← remainder

$$4219 \div 43 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4219} \\ \underline{387} \end{array}$$

349

344

5 ← remainder

$$4219 \div 47 = 89 \text{ remainder } 36$$

$$\begin{array}{r} 89 \\ 47 \overline{) 4219} \\ \underline{376} \end{array}$$

459

423

36 ← remainder

$$4219 \div 53 = 79 \text{ remainder } 32$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4219} \\ \underline{371} \end{array}$$

509
477

32 ← remainder

$$4219 \div 59 = 71 \text{ remainder } 30$$

71
59 | 4219
413

89
59

--
30 ← remainder

$$4219 \div 61 = 69 \text{ remainder } 10$$

69
61 | 4219
366

559
549

10 ← remainder

P₅₇₉ 4229

$$4229 \div 2 = 2114 \text{ remainder } 1$$

$$\begin{array}{r} 2114 \\ 2 \overline{) 4229} \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4229 \div 3 = 1409 \text{ remainder } 2$$

$$\begin{array}{r} 1409 \\ 3 \overline{) 4229} \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4229 \div 5 = 845 \text{ remainder } 4$$

$$\begin{array}{r} 845 \\ 5 \overline{) 4229} \\ \underline{40} \\ - - \end{array}$$

```

22
20
--
29
25
--
4 ← remainder

```

$$4229 \div 7 = 604 \text{ remainder } 1$$

```

    604
7 | 4229
   42
   --
    2
    0
    -
    29
    28
    --
    1 ← remainder

```

$$4229 \div 11 = 384 \text{ remainder } 5$$

```

    384
11 | 4229
   33
   --
    92
    88
    --
    49
    44
    --
    5 ← remainder

```

$$4229 \div 13 = 325 \text{ remainder } 4$$

```

    325
13 | 4229
   39
   --
    32
    26

```



```

--
69
65
--
4 ← remainder

```

$$4229 \div 17 = 248 \text{ remainder } 13$$

```

      248
17 | 4229
    34
    --
    82
    68
    --
    149
    136
    ---
    13 ← remainder

```

$$4229 \div 19 = 222 \text{ remainder } 11$$

```

      222
19 | 4229
    38
    --
    42
    38
    --
    49
    38
    --
    11 ← remainder

```

$$4229 \div 23 = 183 \text{ remainder } 20$$

```

      183
23 | 4229
    23
    --
    192
    184
    ---
    89

```

69

--

20 ← remainder

$$4229 \div 29 = 145 \text{ remainder } 24$$

145

29 | 4229

29

--

132

116

169

145

24 ← remainder

$$4229 \div 31 = 136 \text{ remainder } 13$$

136

31 | 4229

31

--

112

93

--

199

186

13 ← remainder

$$4229 \div 37 = 114 \text{ remainder } 11$$

114

37 | 4229

37

--

52

37

--

159

148

11 ← remainder

$$4229 \div 41 = 103 \text{ remainder } 6$$

103
41 | 4229
41
--
12
0
-
129
123

6 ← remainder

$$4229 \div 43 = 98 \text{ remainder } 15$$

98
43 | 4229
387

359
344

15 ← remainder

$$4229 \div 47 = 89 \text{ remainder } 46$$

89
47 | 4229
376

469
423

46 ← remainder

$$4229 \div 53 = 79 \text{ remainder } 42$$

79
53 | 4229
371

```

  ---
  519
  477
  ---
  42 ← remainder

```

$$4229 \div 59 = 71 \text{ remainder } 40$$

```

    71
  59 | 4229
    413
    ---
    99
    59
    --
    40 ← remainder

```

$$4229 \div 61 = 69 \text{ remainder } 20$$

```

    69
  61 | 4229
    366
    ---
    569
    549
    ---
    20 ← remainder

```

P₅₈₀ 4231

$$4231 \div 2 = 2115 \text{ remainder } 1$$

$$\begin{array}{r} 2115 \\ 2 \mid 4231 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4231 \div 3 = 1410 \text{ remainder } 1$$

$$\begin{array}{r} 1410 \\ 3 \mid 4231 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4231 \div 5 = 846 \text{ remainder } 1$$

$$\begin{array}{r} 846 \\ 5 \mid 4231 \\ \underline{40} \\ - - \end{array}$$

```

23
20
--
31
30
--
1 ← remainder

```

$$4231 \div 7 = 604 \text{ remainder } 3$$

```

    604
7 | 4231
   42
   --
    3
    0
    -
    31
    28
    --
    3 ← remainder

```

$$4231 \div 11 = 384 \text{ remainder } 7$$

```

    384
11 | 4231
   33
   --
    93
    88
    --
    51
    44
    --
    7 ← remainder

```

$$4231 \div 13 = 325 \text{ remainder } 6$$

```

    325
13 | 4231
   39
   --
    33
    26

```

```

--
71
65
--
6 ← remainder

```

$$4231 \div 17 = 248 \text{ remainder } 15$$

```

      248
17 | 4231
    34
    --
    83
    68
    --
    151
    136
    ---
    15 ← remainder

```

$$4231 \div 19 = 222 \text{ remainder } 13$$

```

      222
19 | 4231
    38
    --
    43
    38
    --
    51
    38
    --
    13 ← remainder

```

$$4231 \div 23 = 183 \text{ remainder } 22$$

```

      183
23 | 4231
    23
    --
    193
    184
    ---
    91

```

69

--

22 ← remainder

$$4231 \div 29 = 145 \text{ remainder } 26$$

145
29 | 4231
29

--

133

116

171

145

26 ← remainder

$$4231 \div 31 = 136 \text{ remainder } 15$$

136
31 | 4231
31

--

113

93

--

201

186

15 ← remainder

$$4231 \div 37 = 114 \text{ remainder } 13$$

114
37 | 4231
37

--

53

37

--

161

148

13 ← remainder

$$4231 \div 41 = 103 \text{ remainder } 8$$

$$\begin{array}{r} 103 \\ 41 \overline{) 4231} \\ \underline{41} \\ 13 \\ \underline{0} \\ 131 \\ \underline{123} \\ 8 \end{array}$$

131

123

8 ← remainder

$$4231 \div 43 = 98 \text{ remainder } 17$$

$$\begin{array}{r} 98 \\ 43 \overline{) 4231} \\ \underline{387} \\ 361 \\ \underline{344} \\ 17 \end{array}$$

17 ← remainder

$$4231 \div 47 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4231} \\ \underline{423} \\ 1 \\ \underline{0} \\ 1 \end{array}$$

1 ← remainder

$$4231 \div 53 = 79 \text{ remainder } 44$$

$$\begin{array}{r} 79 \\ 53 \overline{) 4231} \\ \underline{371} \\ 44 \end{array}$$

```

  ---
521
477
  ---
44 ← remainder

```

$$4231 \div 59 = 71 \text{ remainder } 42$$

```

    71
59 | 4231
    413
    ---
    101
    59
    --
    42 ← remainder

```

$$4231 \div 61 = 69 \text{ remainder } 22$$

```

    69
61 | 4231
    366
    ---
    571
    549
    ---
    22 ← remainder

```

P₅₈₁ 4241

$$4241 \div 2 = 2120 \text{ remainder } 1$$

$$\begin{array}{r} 2120 \\ 2 \mid 4241 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4241 \div 3 = 1413 \text{ remainder } 2$$

$$\begin{array}{r} 1413 \\ 3 \mid 4241 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4241 \div 5 = 848 \text{ remainder } 1$$

$$\begin{array}{r} 848 \\ 5 \mid 4241 \\ \underline{40} \\ - - \end{array}$$

```

24
20
--
41
40
--
1 ← remainder

```

$$4241 \div 7 = 605 \text{ remainder } 6$$

```

    605
7 | 4241
   42
   --
    4
    0
    -
    41
    35
    --
    6 ← remainder

```

$$4241 \div 11 = 385 \text{ remainder } 6$$

```

    385
11 | 4241
   33
   --
   94
   88
   --
   61
   55
   --
   6 ← remainder

```

$$4241 \div 13 = 326 \text{ remainder } 3$$

```

    326
13 | 4241
   39
   --
   34
   26

```

```

--
81
78
--
3 ← remainder

```

$$4241 \div 17 = 249 \text{ remainder } 8$$

```

      249
17 | 4241
    34
    --
    84
    68
    --
    161
    153
    ---
    8 ← remainder

```

$$4241 \div 19 = 223 \text{ remainder } 4$$

```

      223
19 | 4241
    38
    --
    44
    38
    --
    61
    57
    --
    4 ← remainder

```

$$4241 \div 23 = 184 \text{ remainder } 9$$

```

      184
23 | 4241
    23
    --
    194
    184
    ---
    101

```

92
 --
 9 ← remainder

$$4241 \div 29 = 146 \text{ remainder } 7$$

146
 29 | 4241
 29
 --
 134
 116

 181
 174

 7 ← remainder

$$4241 \div 31 = 136 \text{ remainder } 25$$

136
 31 | 4241
 31
 --
 114
 93
 --
 211
 186

 25 ← remainder

$$4241 \div 37 = 114 \text{ remainder } 23$$

114
 37 | 4241
 37
 --
 54
 37
 --
 171
 148

23 ← remainder

$$4241 \div 41 = 103 \text{ remainder } 18$$

103
41 | 4241
41
--
14
0
-
141
123

18 ← remainder

$$4241 \div 43 = 98 \text{ remainder } 27$$

98
43 | 4241
387

371
344

27 ← remainder

$$4241 \div 47 = 90 \text{ remainder } 11$$

90
47 | 4241
423

11
0
-
11 ← remainder

$$4241 \div 53 = 80 \text{ remainder } 1$$

80
53 | 4241
424

1

0

-

1 ← remainder

$$4241 \div 59 = 71 \text{ remainder } 52$$

71

59 | 4241

413

111

59

--

52 ← remainder

$$4241 \div 61 = 69 \text{ remainder } 32$$

69

61 | 4241

366

581

549

32 ← remainder

P₅₈₂ 4243

$$4243 \div 2 = 2121 \text{ remainder } 1$$

$$\begin{array}{r} 2121 \\ 2 \mid 4243 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4243 \div 3 = 1414 \text{ remainder } 1$$

$$\begin{array}{r} 1414 \\ 3 \mid 4243 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4243 \div 5 = 848 \text{ remainder } 3$$

$$\begin{array}{r} 848 \\ 5 \mid 4243 \\ \underline{40} \\ - - \end{array}$$

```

24
20
--
43
40
--
3 ← remainder

```

$$4243 \div 7 = 606 \text{ remainder } 1$$

```

    606
7 | 4243
   42
   --
    4
    0
    -
    43
    42
    --
    1 ← remainder

```

$$4243 \div 11 = 385 \text{ remainder } 8$$

```

    385
11 | 4243
   33
   --
   94
   88
   --
   63
   55
   --
    8 ← remainder

```

$$4243 \div 13 = 326 \text{ remainder } 5$$

```

    326
13 | 4243
   39
   --
   34
   26

```

```

--
83
78
--
5 ← remainder

```

$$4243 \div 17 = 249 \text{ remainder } 10$$

```

      249
17 | 4243
    34
    --
    84
    68
    --
    163
    153
    ---
    10 ← remainder

```

$$4243 \div 19 = 223 \text{ remainder } 6$$

```

      223
19 | 4243
    38
    --
    44
    38
    --
    63
    57
    --
    6 ← remainder

```

$$4243 \div 23 = 184 \text{ remainder } 11$$

```

      184
23 | 4243
    23
    --
    194
    184
    ---
    103

```

92

--

11 \leftarrow remainder

$$4243 \div 29 = 146 \text{ remainder } 9$$

146
29 | 4243

29

--

134

116

183

174

9 \leftarrow remainder

$$4243 \div 31 = 136 \text{ remainder } 27$$

136
31 | 4243

31

--

114

93

--

213

186

27 \leftarrow remainder

$$4243 \div 37 = 114 \text{ remainder } 25$$

114
37 | 4243

37

--

54

37

--

173

148

25 ← remainder

$$4243 \div 41 = 103 \text{ remainder } 20$$

```
      103
41 | 4243
    41
    --
    14
    0
    -
    143
    123
    ---
    20 ← remainder
```

$$4243 \div 43 = 98 \text{ remainder } 29$$

```
      98
43 | 4243
    387
    ---
    373
    344
    ---
    29 ← remainder
```

$$4243 \div 47 = 90 \text{ remainder } 13$$

```
      90
47 | 4243
    423
    ---
    13
    0
    -
    13 ← remainder
```

$$4243 \div 53 = 80 \text{ remainder } 3$$

```
      80
53 | 4243
    424
```

```

  ---
  3
  0
  -
  3 ← remainder

```

$$4243 \div 59 = 71 \text{ remainder } 54$$

```

    71
59 | 4243
    413
    ---
    113
    59
    --
    54 ← remainder

```

$$4243 \div 61 = 69 \text{ remainder } 34$$

```

    69
61 | 4243
    366
    ---
    583
    549
    ---
    34 ← remainder

```

P₅₈₃ 4253

$$4253 \div 2 = 2126 \text{ remainder } 1$$

$$\begin{array}{r} 2126 \\ 2 \mid 4253 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4253 \div 3 = 1417 \text{ remainder } 2$$

$$\begin{array}{r} 1417 \\ 3 \mid 4253 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4253 \div 5 = 850 \text{ remainder } 3$$

$$\begin{array}{r} 850 \\ 5 \mid 4253 \\ \underline{40} \\ - - \end{array}$$

```

25
25
--
3
0
-
3 ← remainder

```

$$4253 \div 7 = 607 \text{ remainder } 4$$

```

    607
7 | 4253
   42
   --
    5
    0
    -
    53
    49
    --
    4 ← remainder

```

$$4253 \div 11 = 386 \text{ remainder } 7$$

```

    386
11 | 4253
    33
    --
    95
    88
    --
    73
    66
    --
    7 ← remainder

```

$$4253 \div 13 = 327 \text{ remainder } 2$$

```

    327
13 | 4253
    39
    --
    35
    26

```



```

--
93
91
--
2 ← remainder

```

$$4253 \div 17 = 250 \text{ remainder } 3$$

```

      250
17 | 4253
    34
    --
    85
    85
    --
    3
    0
    -
    3 ← remainder

```

$$4253 \div 19 = 223 \text{ remainder } 16$$

```

      223
19 | 4253
    38
    --
    45
    38
    --
    73
    57
    --
    16 ← remainder

```

$$4253 \div 23 = 184 \text{ remainder } 21$$

```

      184
23 | 4253
    23
    --
    195
    184
    ---
    113

```

92

--

21 \leftarrow remainder

$$4253 \div 29 = 146 \text{ remainder } 19$$

146
29 | 4253
29

--

135

116

193

174

19 \leftarrow remainder

$$4253 \div 31 = 137 \text{ remainder } 6$$

137
31 | 4253
31

--

115

93

--

223

217

6 \leftarrow remainder

$$4253 \div 37 = 114 \text{ remainder } 35$$

114
37 | 4253
37

--

55

37

--

183

148

35 ← remainder

$$4253 \div 41 = 103 \text{ remainder } 30$$

```
      103
41 | 4253
    41
    --
    15
    0
    -
    153
    123
    ---
    30 ← remainder
```

$$4253 \div 43 = 98 \text{ remainder } 39$$

```
      98
43 | 4253
    387
    ---
    383
    344
    ---
    39 ← remainder
```

$$4253 \div 47 = 90 \text{ remainder } 23$$

```
      90
47 | 4253
    423
    ---
    23
    0
    -
    23 ← remainder
```

$$4253 \div 53 = 80 \text{ remainder } 13$$

```
      80
53 | 4253
    424
```

```

  ---
  13
  0
  -

```

13 ← remainder

$$4253 \div 59 = 72 \text{ remainder } 5$$

```

    72
59 | 4253
    413
    ---
    123
    118
    ---
     5 ← remainder

```

$$4253 \div 61 = 69 \text{ remainder } 44$$

```

    69
61 | 4253
    366
    ---
    593
    549
    ---
    44 ← remainder

```

P₅₈₄ 4259

$$4259 \div 2 = 2129 \text{ remainder } 1$$

$$\begin{array}{r} 2129 \\ 2 \overline{) 4259} \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4259 \div 3 = 1419 \text{ remainder } 2$$

$$\begin{array}{r} 1419 \\ 3 \overline{) 4259} \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4259 \div 5 = 851 \text{ remainder } 4$$

$$\begin{array}{r} 851 \\ 5 \overline{) 4259} \\ \underline{40} \\ - - \end{array}$$

```

25
25
--
9
5
-
4 ← remainder

```

$$4259 \div 7 = 608 \text{ remainder } 3$$

```

    608
7 | 4259
   42
   --
    5
    0
    -
    59
    56
    --
    3 ← remainder

```

$$4259 \div 11 = 387 \text{ remainder } 2$$

```

    387
11 | 4259
   33
   --
   95
   88
   --
   79
   77
   --
   2 ← remainder

```

$$4259 \div 13 = 327 \text{ remainder } 8$$

```

    327
13 | 4259
   39
   --
   35
   26

```

```

--
99
91
--
8 ← remainder

```

$$4259 \div 17 = 250 \text{ remainder } 9$$

```

      250
17 | 4259
    34
    --
     85
     85
     --
      9
      0
      -
      9 ← remainder

```

$$4259 \div 19 = 224 \text{ remainder } 3$$

```

      224
19 | 4259
    38
    --
     45
     38
     --
     79
     76
     --
      3 ← remainder

```

$$4259 \div 23 = 185 \text{ remainder } 4$$

```

      185
23 | 4259
    23
    --
    195
    184
    ---
    119

```

115

 4 ← remainder

$$4259 \div 29 = 146 \text{ remainder } 25$$

146
 29 | 4259
 29
 --
 135
 116

 199
 174

 25 ← remainder

$$4259 \div 31 = 137 \text{ remainder } 12$$

137
 31 | 4259
 31
 --
 115
 93
 --
 229
 217

 12 ← remainder

$$4259 \div 37 = 115 \text{ remainder } 4$$

115
 37 | 4259
 37
 --
 55
 37
 --
 189
 185

4 ← remainder

$$4259 \div 41 = 103 \text{ remainder } 36$$

103
41 | 4259
41
--
15
0
-
159
123

36 ← remainder

$$4259 \div 43 = 99 \text{ remainder } 2$$

99
43 | 4259
387

389
387

2 ← remainder

$$4259 \div 47 = 90 \text{ remainder } 29$$

90
47 | 4259
423

29
0
-
29 ← remainder

$$4259 \div 53 = 80 \text{ remainder } 19$$

80
53 | 4259
424

```

  ---
  19
  0
  -

```

19 ← remainder

$$4259 \div 59 = 72 \text{ remainder } 11$$

```

    72
59 | 4259
    413
    ---
    129
    118
    ---
    11 ← remainder

```

$$4259 \div 61 = 69 \text{ remainder } 50$$

```

    69
61 | 4259
    366
    ---
    599
    549
    ---
    50 ← remainder

```

P₅₈₅ 4261

$$4261 \div 2 = 2130 \text{ remainder } 1$$

$$\begin{array}{r} 2130 \\ 2 \mid 4261 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4261 \div 3 = 1420 \text{ remainder } 1$$

$$\begin{array}{r} 1420 \\ 3 \mid 4261 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4261 \div 5 = 852 \text{ remainder } 1$$

$$\begin{array}{r} 852 \\ 5 \mid 4261 \\ \underline{40} \\ - - \end{array}$$

```

26
25
--
11
10
--
1 ← remainder

```

$$4261 \div 7 = 608 \text{ remainder } 5$$

```

    608
7 | 4261
   42
   --
    6
    0
    -
    61
    56
    --
    5 ← remainder

```

$$4261 \div 11 = 387 \text{ remainder } 4$$

```

    387
11 | 4261
   33
   --
   96
   88
   --
   81
   77
   --
   4 ← remainder

```

$$4261 \div 13 = 327 \text{ remainder } 10$$

```

    327
13 | 4261
   39
   --
   36
   26

```

```

--
101
91
--
10 ← remainder

```

$$4261 \div 17 = 250 \text{ remainder } 11$$

```

      250
17 | 4261
    34
    --
     86
     85
     --
      11
      0
      -
      11 ← remainder

```

$$4261 \div 19 = 224 \text{ remainder } 5$$

```

      224
19 | 4261
    38
    --
     46
     38
     --
      81
      76
      --
       5 ← remainder

```

$$4261 \div 23 = 185 \text{ remainder } 6$$

```

      185
23 | 4261
    23
    --
     196
     184
     ---
      121

```

115

 6 ← remainder

$$4261 \div 29 = 146 \text{ remainder } 27$$

146
 29 | 4261
 29
 --
 136
 116

 201
 174

 27 ← remainder

$$4261 \div 31 = 137 \text{ remainder } 14$$

137
 31 | 4261
 31
 --
 116
 93
 --
 231
 217

 14 ← remainder

$$4261 \div 37 = 115 \text{ remainder } 6$$

115
 37 | 4261
 37
 --
 56
 37
 --
 191
 185

6 ← remainder

$$4261 \div 41 = 103 \text{ remainder } 38$$

103
41 | 4261
41
--
16
0
-
161
123

38 ← remainder

$$4261 \div 43 = 99 \text{ remainder } 4$$

99
43 | 4261
387

391
387

4 ← remainder

$$4261 \div 47 = 90 \text{ remainder } 31$$

90
47 | 4261
423

31
0
-
31 ← remainder

$$4261 \div 53 = 80 \text{ remainder } 21$$

80
53 | 4261
424

```

  ---
  21
  0
  -

```

21 ← remainder

$$4261 \div 59 = 72 \text{ remainder } 13$$

```

    72
  59 | 4261
    413
    ---
    131
    118
    ---

```

13 ← remainder

$$4261 \div 61 = 69 \text{ remainder } 52$$

```

    69
  61 | 4261
    366
    ---
    601
    549
    ---

```

52 ← remainder

P₅₈₆ 4271

$$4271 \div 2 = 2135 \text{ remainder } 1$$

$$\begin{array}{r} 2135 \\ 2 \mid 4271 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4271 \div 3 = 1423 \text{ remainder } 2$$

$$\begin{array}{r} 1423 \\ 3 \mid 4271 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4271 \div 5 = 854 \text{ remainder } 1$$

$$\begin{array}{r} 854 \\ 5 \mid 4271 \\ \underline{40} \\ - - \end{array}$$

```

27
25
--
21
20
--
1 ← remainder

```

$$4271 \div 7 = 610 \text{ remainder } 1$$

```

    610
7 | 4271
   42
   --
    7
    7
    -
    1
    0
    -
    1 ← remainder

```

$$4271 \div 11 = 388 \text{ remainder } 3$$

```

    388
11 | 4271
   33
   --
   97
   88
   --
   91
   88
   --
    3 ← remainder

```

$$4271 \div 13 = 328 \text{ remainder } 7$$

```

    328
13 | 4271
   39
   --
   37
   26

```

```

--
111
104
---
7 ← remainder

```

$$4271 \div 17 = 251 \text{ remainder } 4$$

```

      251
17 | 4271
    34
    --
    87
    85
    --
    21
    17
    --
    4 ← remainder

```

$$4271 \div 19 = 224 \text{ remainder } 15$$

```

      224
19 | 4271
    38
    --
    47
    38
    --
    91
    76
    --
    15 ← remainder

```

$$4271 \div 23 = 185 \text{ remainder } 16$$

```

      185
23 | 4271
    23
    --
    197
    184
    ---
    131

```

115

16 ← remainder

$$4271 \div 29 = 147 \text{ remainder } 8$$

147

29 | 4271

29

--

137

116

211

203

8 ← remainder

$$4271 \div 31 = 137 \text{ remainder } 24$$

137

31 | 4271

31

--

117

93

--

241

217

24 ← remainder

$$4271 \div 37 = 115 \text{ remainder } 16$$

115

37 | 4271

37

--

57

37

--

201

185

16 ← remainder

$$4271 \div 41 = 104 \text{ remainder } 7$$

$$\begin{array}{r} 104 \\ 41 \overline{) 4271} \\ \underline{41} \\ 17 \\ \underline{0} \end{array}$$

171

164

7 ← remainder

$$4271 \div 43 = 99 \text{ remainder } 14$$

$$\begin{array}{r} 99 \\ 43 \overline{) 4271} \\ \underline{387} \\ 401 \\ \underline{387} \end{array}$$

14 ← remainder

$$4271 \div 47 = 90 \text{ remainder } 41$$

$$\begin{array}{r} 90 \\ 47 \overline{) 4271} \\ \underline{423} \\ 41 \\ \underline{0} \end{array}$$

41 ← remainder

$$4271 \div 53 = 80 \text{ remainder } 31$$

$$\begin{array}{r} 80 \\ 53 \overline{) 4271} \\ \underline{424} \end{array}$$

```

  ---
  31
  0
  -

```

31 ← remainder

$$4271 \div 59 = 72 \text{ remainder } 23$$

```

      72
59 | 4271
    413
    ---
    141
    118
    ---

```

23 ← remainder

$$4271 \div 61 = 70 \text{ remainder } 1$$

```

      70
61 | 4271
    427
    ---
     1
     0
     -

```

1 ← remainder

P₅₈₇ 4273

$$4273 \div 2 = 2136 \text{ remainder } 1$$

$$\begin{array}{r} 2136 \\ 2 \mid 4273 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4273 \div 3 = 1424 \text{ remainder } 1$$

$$\begin{array}{r} 1424 \\ 3 \mid 4273 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4273 \div 5 = 854 \text{ remainder } 3$$

$$\begin{array}{r} 854 \\ 5 \mid 4273 \\ \underline{40} \\ - - \end{array}$$

```

27
25
--
23
20
--
3 ← remainder

```

$$4273 \div 7 = 610 \text{ remainder } 3$$

```

  610
7 | 4273
  42
  --
   7
   7
   -
   3
   0
   -
   3 ← remainder

```

$$4273 \div 11 = 388 \text{ remainder } 5$$

```

  388
11 | 4273
   33
   --
   97
   88
   --
   93
   88
   --
   5 ← remainder

```

$$4273 \div 13 = 328 \text{ remainder } 9$$

```

  328
13 | 4273
   39
   --
   37
   26

```



```

--
113
104
---
9 ← remainder

```

$$4273 \div 17 = 251 \text{ remainder } 6$$

```

      251
17 | 4273
    34
    --
    87
    85
    --
    23
    17
    --
    6 ← remainder

```

$$4273 \div 19 = 224 \text{ remainder } 17$$

```

      224
19 | 4273
    38
    --
    47
    38
    --
    93
    76
    --
    17 ← remainder

```

$$4273 \div 23 = 185 \text{ remainder } 18$$

```

      185
23 | 4273
    23
    --
    197
    184
    ---
    133

```

115

18 ← remainder

$$4273 \div 29 = 147 \text{ remainder } 10$$

147

29 | 4273

29

--

137

116

213

203

10 ← remainder

$$4273 \div 31 = 137 \text{ remainder } 26$$

137

31 | 4273

31

--

117

93

--

243

217

26 ← remainder

$$4273 \div 37 = 115 \text{ remainder } 18$$

115

37 | 4273

37

--

57

37

--

203

185

18 ← remainder

$$4273 \div 41 = 104 \text{ remainder } 9$$

104
41 | 4273
41
--
17
0
-
173
164

9 ← remainder

$$4273 \div 43 = 99 \text{ remainder } 16$$

99
43 | 4273
387

403
387

16 ← remainder

$$4273 \div 47 = 90 \text{ remainder } 43$$

90
47 | 4273
423

43
0
-
43 ← remainder

$$4273 \div 53 = 80 \text{ remainder } 33$$

80
53 | 4273
424

```

  ---
  33
  0
  -

```

33 ← remainder

$$4273 \div 59 = 72 \text{ remainder } 25$$

```

    72
59 | 4273
    413
    ---
    143
    118
    ---

```

25 ← remainder

$$4273 \div 61 = 70 \text{ remainder } 3$$

```

    70
61 | 4273
    427
    ---
     3
     0
     -

```

3 ← remainder

P₅₈₈ 4283

$$4283 \div 2 = 2141 \text{ remainder } 1$$

$$\begin{array}{r} 2141 \\ 2 \mid 4283 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4283 \div 3 = 1427 \text{ remainder } 2$$

$$\begin{array}{r} 1427 \\ 3 \mid 4283 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4283 \div 5 = 856 \text{ remainder } 3$$

$$\begin{array}{r} 856 \\ 5 \mid 4283 \\ \underline{40} \\ - - \end{array}$$

```

28
25
--
33
30
--
3 ← remainder

```

$$4283 \div 7 = 611 \text{ remainder } 6$$

```

    611
7 | 4283
   42
   --
    8
    7
    -
   13
    7
    -
    6 ← remainder

```

$$4283 \div 11 = 389 \text{ remainder } 4$$

```

    389
11 | 4283
   33
   --
   98
   88
   --
  103
   99
   --
    4 ← remainder

```

$$4283 \div 13 = 329 \text{ remainder } 6$$

```

    329
13 | 4283
   39
   --
   38
   26

```

```

--
123
117
---
6 ← remainder

```

$$4283 \div 17 = 251 \text{ remainder } 16$$

```

      251
17 | 4283
    34
    --
     88
     85
     --
     33
     17
     --
     16 ← remainder

```

$$4283 \div 19 = 225 \text{ remainder } 8$$

```

      225
19 | 4283
    38
    --
     48
     38
     --
     103
     95
     --
     8 ← remainder

```

$$4283 \div 23 = 186 \text{ remainder } 5$$

```

      186
23 | 4283
    23
    --
     198
     184
     ---
     143

```

138

 5 ← remainder

$$4283 \div 29 = 147 \text{ remainder } 20$$

147
 29 | 4283
 29
 --
 138
 116

 223
 203

 20 ← remainder

$$4283 \div 31 = 138 \text{ remainder } 5$$

138
 31 | 4283
 31
 --
 118
 93
 --
 253
 248

 5 ← remainder

$$4283 \div 37 = 115 \text{ remainder } 28$$

115
 37 | 4283
 37
 --
 58
 37
 --
 213
 185

28 ← remainder

$$4283 \div 41 = 104 \text{ remainder } 19$$

104
41 | 4283
41
--
18
0
-
183
164

19 ← remainder

$$4283 \div 43 = 99 \text{ remainder } 26$$

99
43 | 4283
387

413
387

26 ← remainder

$$4283 \div 47 = 91 \text{ remainder } 6$$

91
47 | 4283
423

53
47
--
6 ← remainder

$$4283 \div 53 = 80 \text{ remainder } 43$$

80
53 | 4283
424

```

  ---
  43
  0
  -

```

43 ← remainder

$$4283 \div 59 = 72 \text{ remainder } 35$$

```

    72
59 | 4283
    413
    ---
    153
    118
    ---

```

35 ← remainder

$$4283 \div 61 = 70 \text{ remainder } 13$$

```

    70
61 | 4283
    427
    ---
    13
    0
    -

```

13 ← remainder

P₅₈₉ 4289

$$4289 \div 2 = 2144 \text{ remainder } 1$$

$$\begin{array}{r} 2144 \\ 2 \overline{) 4289} \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4289 \div 3 = 1429 \text{ remainder } 2$$

$$\begin{array}{r} 1429 \\ 3 \overline{) 4289} \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4289 \div 5 = 857 \text{ remainder } 4$$

$$\begin{array}{r} 857 \\ 5 \overline{) 4289} \\ \underline{40} \\ - - \end{array}$$

```

28
25
--
39
35
--
4 ← remainder

```

$$4289 \div 7 = 612 \text{ remainder } 5$$

```

    612
7 | 4289
   42
   --
    8
    7
    -
   19
   14
   --
    5 ← remainder

```

$$4289 \div 11 = 389 \text{ remainder } 10$$

```

    389
11 | 4289
   33
   --
   98
   88
   --
  109
   99
   --
   10 ← remainder

```

$$4289 \div 13 = 329 \text{ remainder } 12$$

```

    329
13 | 4289
   39
   --
   38
   26

```

```

--
129
117
---
12 ← remainder

```

$$4289 \div 17 = 252 \text{ remainder } 5$$

```

      252
17 | 4289
    34
    --
     88
     85
     --
     39
     34
     --
      5 ← remainder

```

$$4289 \div 19 = 225 \text{ remainder } 14$$

```

      225
19 | 4289
    38
    --
     48
     38
     --
     109
     95
     --
      14 ← remainder

```

$$4289 \div 23 = 186 \text{ remainder } 11$$

```

      186
23 | 4289
    23
    --
     198
     184
     ---
      149

```

138

11 ← remainder

$$4289 \div 29 = 147 \text{ remainder } 26$$

147

29 | 4289

29

--

138

116

229

203

26 ← remainder

$$4289 \div 31 = 138 \text{ remainder } 11$$

138

31 | 4289

31

--

118

93

--

259

248

11 ← remainder

$$4289 \div 37 = 115 \text{ remainder } 34$$

115

37 | 4289

37

--

58

37

--

219

185

34 ← remainder

$$4289 \div 41 = 104 \text{ remainder } 25$$

```
      104
41 | 4289
    41
    --
    18
    0
    -
    189
    164
    ---
    25 ← remainder
```

$$4289 \div 43 = 99 \text{ remainder } 32$$

```
      99
43 | 4289
    387
    ---
    419
    387
    ---
    32 ← remainder
```

$$4289 \div 47 = 91 \text{ remainder } 12$$

```
      91
47 | 4289
    423
    ---
    59
    47
    --
    12 ← remainder
```

$$4289 \div 53 = 80 \text{ remainder } 49$$

```
      80
53 | 4289
    424
```

```

  ---
  49
  0
  -

```

49 ← remainder

$$4289 \div 59 = 72 \text{ remainder } 41$$

```

    72
  59 | 4289
    413
    ---
    159
    118
    ---

```

41 ← remainder

$$4289 \div 61 = 70 \text{ remainder } 19$$

```

    70
  61 | 4289
    427
    ---
    19
    0
    -

```

19 ← remainder

P₅₉₀ 4297

$$4297 \div 2 = 2148 \text{ remainder } 1$$

$$\begin{array}{r} 2148 \\ 2 \mid 4297 \\ 4 \\ - \\ 2 \\ 2 \\ - \\ 9 \\ 8 \\ - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4297 \div 3 = 1432 \text{ remainder } 1$$

$$\begin{array}{r} 1432 \\ 3 \mid 4297 \\ 3 \\ - \\ 12 \\ 12 \\ - - \\ 9 \\ 9 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4297 \div 5 = 859 \text{ remainder } 2$$

$$\begin{array}{r} 859 \\ 5 \mid 4297 \\ 40 \\ - - \end{array}$$

```

29
25
--
47
45
--
2 ← remainder

```

$$4297 \div 7 = 613 \text{ remainder } 6$$

```

    613
7 | 4297
   42
   --
    9
    7
    -
   27
   21
   --
    6 ← remainder

```

$$4297 \div 11 = 390 \text{ remainder } 7$$

```

    390
11 | 4297
   33
   --
   99
   99
   --
    7
    0
    -
    7 ← remainder

```

$$4297 \div 13 = 330 \text{ remainder } 7$$

```

    330
13 | 4297
   39
   --
   39
   39

```

```

--
7
0
-
7 ← remainder

```

$$4297 \div 17 = 252 \text{ remainder } 13$$

```

      252
17 | 4297
    34
    --
    89
    85
    --
    47
    34
    --
    13 ← remainder

```

$$4297 \div 19 = 226 \text{ remainder } 3$$

```

      226
19 | 4297
    38
    --
    49
    38
    --
    117
    114
    ---
    3 ← remainder

```

$$4297 \div 23 = 186 \text{ remainder } 19$$

```

      186
23 | 4297
    23
    --
    199
    184
    ---
    157

```

138

19 ← remainder

$$4297 \div 29 = 148 \text{ remainder } 5$$

148

29 | 4297

29

--

139

116

237

232

5 ← remainder

$$4297 \div 31 = 138 \text{ remainder } 19$$

138

31 | 4297

31

--

119

93

--

267

248

19 ← remainder

$$4297 \div 37 = 116 \text{ remainder } 5$$

116

37 | 4297

37

--

59

37

--

227

222

5 ← remainder

$$4297 \div 41 = 104 \text{ remainder } 33$$

104
41 | 4297
41
--
19
0
-
197
164

33 ← remainder

$$4297 \div 43 = 99 \text{ remainder } 40$$

99
43 | 4297
387

427
387

40 ← remainder

$$4297 \div 47 = 91 \text{ remainder } 20$$

91
47 | 4297
423

67
47
--
20 ← remainder

$$4297 \div 53 = 81 \text{ remainder } 4$$

81
53 | 4297
424

```

  ---
  57
  53
  --

```

4 ← remainder

$$4297 \div 59 = 72 \text{ remainder } 49$$

```

      72
59 | 4297
    413
    ---
    167
    118
    ---

```

49 ← remainder

$$4297 \div 61 = 70 \text{ remainder } 27$$

```

      70
61 | 4297
    427
    ---
    27
    0
    -

```

27 ← remainder

P₅₉₁ 4327

$$4327 \div 2 = 2163 \text{ remainder } 1$$

$$\begin{array}{r} 2163 \\ 2 \mid 4327 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4327 \div 3 = 1442 \text{ remainder } 1$$

$$\begin{array}{r} 1442 \\ 3 \mid 4327 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4327 \div 5 = 865 \text{ remainder } 2$$

$$\begin{array}{r} 865 \\ 5 \mid 4327 \\ \underline{40} \\ - - \end{array}$$

```

32
30
--
27
25
--
2 ← remainder

```

$$4327 \div 7 = 618 \text{ remainder } 1$$

```

    618
7 | 4327
   42
   --
   12
   7
   -
   57
   56
   --
   1 ← remainder

```

$$4327 \div 11 = 393 \text{ remainder } 4$$

```

    393
11 | 4327
   33
   --
  102
   99
   --
   37
   33
   --
   4 ← remainder

```

$$4327 \div 13 = 332 \text{ remainder } 11$$

```

    332
13 | 4327
   39
   --
   42
   39

```



```

--
37
26
--
11 ← remainder

```

$$4327 \div 17 = 254 \text{ remainder } 9$$

```

254
17 | 4327
   34
   --
   92
   85
   --
   77
   68
   --
   9 ← remainder

```

$$4327 \div 19 = 227 \text{ remainder } 14$$

```

227
19 | 4327
   38
   --
   52
   38
   --
   147
   133
   ---
   14 ← remainder

```

$$4327 \div 23 = 188 \text{ remainder } 3$$

```

188
23 | 4327
   23
   --
   202
   184
   ---
   187

```

184

3 ← remainder

$$4327 \div 29 = 149 \text{ remainder } 6$$

149

29 | 4327

29

--

142

116

267

261

6 ← remainder

$$4327 \div 31 = 139 \text{ remainder } 18$$

139

31 | 4327

31

--

122

93

--

297

279

18 ← remainder

$$4327 \div 37 = 116 \text{ remainder } 35$$

116

37 | 4327

37

--

62

37

--

257

222

35 ← remainder

$$4327 \div 41 = 105 \text{ remainder } 22$$

105
41 | 4327
41
--
22
0
-
227
205

22 ← remainder

$$4327 \div 43 = 100 \text{ remainder } 27$$

100
43 | 4327
43
--
2
0
-
27
0
-
27 ← remainder

$$4327 \div 47 = 92 \text{ remainder } 3$$

92
47 | 4327
423

97
94
--
3 ← remainder

$$4327 \div 53 = 81 \text{ remainder } 34$$

$$\begin{array}{r}
 81 \\
 53 \mid 4327 \\
 \underline{424} \\
 --- \\
 87 \\
 \underline{53} \\
 -- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$4327 \div 59 = 73 \text{ remainder } 20$$

$$\begin{array}{r}
 73 \\
 59 \mid 4327 \\
 \underline{413} \\
 --- \\
 197 \\
 \underline{177} \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$4327 \div 61 = 70 \text{ remainder } 57$$

$$\begin{array}{r}
 70 \\
 61 \mid 4327 \\
 \underline{427} \\
 --- \\
 57 \\
 \underline{0} \\
 - \\
 57 \leftarrow \text{remainder}
 \end{array}$$

P₅₉₂ 4337

$$4337 \div 2 = 2168 \text{ remainder } 1$$

$$\begin{array}{r} 2168 \\ 2 \mid 4337 \\ 4 \\ - \\ 3 \\ 2 \\ - \\ 13 \\ 12 \\ - - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4337 \div 3 = 1445 \text{ remainder } 2$$

$$\begin{array}{r} 1445 \\ 3 \mid 4337 \\ 3 \\ - \\ 13 \\ 12 \\ - - \\ 13 \\ 12 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4337 \div 5 = 867 \text{ remainder } 2$$

$$\begin{array}{r} 867 \\ 5 \mid 4337 \\ 40 \\ - - \end{array}$$

```

33
30
--
37
35
--
2 ← remainder

```

$$4337 \div 7 = 619 \text{ remainder } 4$$

```

    619
7 | 4337
   42
   --
    13
    7
    -
    67
    63
    --
    4 ← remainder

```

$$4337 \div 11 = 394 \text{ remainder } 3$$

```

    394
11 | 4337
    33
    --
    103
    99
    --
    47
    44
    --
    3 ← remainder

```

$$4337 \div 13 = 333 \text{ remainder } 8$$

```

    333
13 | 4337
    39
    --
    43
    39

```

```

--
47
39
--
8 ← remainder

```

$$4337 \div 17 = 255 \text{ remainder } 2$$

```

      255
17 | 4337
    34
    --
    93
    85
    --
    87
    85
    --
    2 ← remainder

```

$$4337 \div 19 = 228 \text{ remainder } 5$$

```

      228
19 | 4337
    38
    --
    53
    38
    --
    157
    152
    ---
    5 ← remainder

```

$$4337 \div 23 = 188 \text{ remainder } 13$$

```

      188
23 | 4337
    23
    --
    203
    184
    ---
    197

```

184

13 ← remainder

$$4337 \div 29 = 149 \text{ remainder } 16$$

149

29 | 4337

29

--

143

116

277

261

16 ← remainder

$$4337 \div 31 = 139 \text{ remainder } 28$$

139

31 | 4337

31

--

123

93

--

307

279

28 ← remainder

$$4337 \div 37 = 117 \text{ remainder } 8$$

117

37 | 4337

37

--

63

37

--

267

259

8 ← remainder

$$4337 \div 41 = 105 \text{ remainder } 32$$

$$\begin{array}{r} 105 \\ 41 \overline{) 4337} \\ \underline{41} \\ 23 \\ \underline{0} \end{array}$$

-

237

205

32 ← remainder

$$4337 \div 43 = 100 \text{ remainder } 37$$

$$\begin{array}{r} 100 \\ 43 \overline{) 4337} \\ \underline{43} \\ 3 \\ \underline{0} \end{array}$$

-

37

0

-

37 ← remainder

$$4337 \div 47 = 92 \text{ remainder } 13$$

$$\begin{array}{r} 92 \\ 47 \overline{) 4337} \\ \underline{423} \\ 107 \\ \underline{94} \end{array}$$

13 ← remainder

$$4337 \div 53 = 81 \text{ remainder } 44$$

$$\begin{array}{r}
 81 \\
 53 \mid 4337 \\
 \underline{424} \\
 97 \\
 \underline{53} \\
 44 \leftarrow \text{remainder}
 \end{array}$$

$$4337 \div 59 = 73 \text{ remainder } 30$$

$$\begin{array}{r}
 73 \\
 59 \mid 4337 \\
 \underline{413} \\
 207 \\
 \underline{177} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$4337 \div 61 = 71 \text{ remainder } 6$$

$$\begin{array}{r}
 71 \\
 61 \mid 4337 \\
 \underline{427} \\
 67 \\
 \underline{61} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

P₅₉₃ 4339

$$4339 \div 2 = 2169 \text{ remainder } 1$$

$$\begin{array}{r} 2169 \\ 2 \mid 4339 \\ 4 \\ - \\ 3 \\ 2 \\ - \\ 13 \\ 12 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4339 \div 3 = 1446 \text{ remainder } 1$$

$$\begin{array}{r} 1446 \\ 3 \mid 4339 \\ 3 \\ - \\ 13 \\ 12 \\ - - \\ 13 \\ 12 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4339 \div 5 = 867 \text{ remainder } 4$$

$$\begin{array}{r} 867 \\ 5 \mid 4339 \\ 40 \\ - - \end{array}$$

```

33
30
--
39
35
--
4 ← remainder

```

$$4339 \div 7 = 619 \text{ remainder } 6$$

```

619
7 | 4339
42
--
13
7
-
69
63
--
6 ← remainder

```

$$4339 \div 11 = 394 \text{ remainder } 5$$

```

394
11 | 4339
33
--
103
99
--
49
44
--
5 ← remainder

```

$$4339 \div 13 = 333 \text{ remainder } 10$$

```

333
13 | 4339
39
--
43
39

```

```

--
49
39
--
10 ← remainder

```

$$4339 \div 17 = 255 \text{ remainder } 4$$

```

      255
17 | 4339
    34
    --
     93
     85
     --
     89
     85
     --
      4 ← remainder

```

$$4339 \div 19 = 228 \text{ remainder } 7$$

```

      228
19 | 4339
    38
    --
     53
     38
     --
    159
    152
    ---
     7 ← remainder

```

$$4339 \div 23 = 188 \text{ remainder } 15$$

```

      188
23 | 4339
    23
    --
    203
    184
    ---
    199

```

184

15 ← remainder

$$4339 \div 29 = 149 \text{ remainder } 18$$

149

29 | 4339

29

--

143

116

279

261

18 ← remainder

$$4339 \div 31 = 139 \text{ remainder } 30$$

139

31 | 4339

31

--

123

93

--

309

279

30 ← remainder

$$4339 \div 37 = 117 \text{ remainder } 10$$

117

37 | 4339

37

--

63

37

--

269

259

10 ← remainder

$$4339 \div 41 = 105 \text{ remainder } 34$$

$$\begin{array}{r} 105 \\ 41 \overline{) 4339} \\ \underline{41} \\ 23 \\ \underline{0} \end{array}$$

--

23

0

-

239

205

34 ← remainder

$$4339 \div 43 = 100 \text{ remainder } 39$$

$$\begin{array}{r} 100 \\ 43 \overline{) 4339} \\ \underline{43} \\ 3 \\ \underline{0} \\ 39 \\ \underline{0} \end{array}$$

--

3

0

-

39

0

-

39 ← remainder

$$4339 \div 47 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 47 \overline{) 4339} \\ \underline{423} \\ 109 \\ \underline{94} \end{array}$$

109

94

--

15 ← remainder

$$4339 \div 53 = 81 \text{ remainder } 46$$

$$\begin{array}{r}
 81 \\
 53 \mid 4339 \\
 \underline{424} \\
 99 \\
 \underline{53} \\
 -- \\
 46 \leftarrow \text{remainder}
 \end{array}$$

$$4339 \div 59 = 73 \text{ remainder } 32$$

$$\begin{array}{r}
 73 \\
 59 \mid 4339 \\
 \underline{413} \\
 209 \\
 \underline{177} \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$4339 \div 61 = 71 \text{ remainder } 8$$

$$\begin{array}{r}
 71 \\
 61 \mid 4339 \\
 \underline{427} \\
 --- \\
 69 \\
 \underline{61} \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

P₅₉₄ 4349

$$4349 \div 2 = 2174 \text{ remainder } 1$$

$$\begin{array}{r} 2174 \\ 2 \mid 4349 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4349 \div 3 = 1449 \text{ remainder } 2$$

$$\begin{array}{r} 1449 \\ 3 \mid 4349 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4349 \div 5 = 869 \text{ remainder } 4$$

$$\begin{array}{r} 869 \\ 5 \mid 4349 \\ \underline{40} \\ - - \end{array}$$

```

34
30
--
49
45
--
4 ← remainder

```

$$4349 \div 7 = 621 \text{ remainder } 2$$

```

    621
7 | 4349
   42
   --
   14
   14
   --
    9
    7
    -
    2 ← remainder

```

$$4349 \div 11 = 395 \text{ remainder } 4$$

```

    395
11 | 4349
   33
   --
  104
   99
   --
   59
   55
   --
    4 ← remainder

```

$$4349 \div 13 = 334 \text{ remainder } 7$$

```

    334
13 | 4349
   39
   --
   44
   39

```

```

--
59
52
--
7 ← remainder

```

$$4349 \div 17 = 255 \text{ remainder } 14$$

```

255
17 | 4349
   34
   --
   94
   85
   --
   99
   85
   --
   14 ← remainder

```

$$4349 \div 19 = 228 \text{ remainder } 17$$

```

228
19 | 4349
   38
   --
   54
   38
   --
   169
   152
   ---
   17 ← remainder

```

$$4349 \div 23 = 189 \text{ remainder } 2$$

```

189
23 | 4349
   23
   --
   204
   184
   ---
   209

```

207

2 ← remainder

$$4349 \div 29 = 149 \text{ remainder } 28$$

149

29 | 4349

29

--

144

116

289

261

28 ← remainder

$$4349 \div 31 = 140 \text{ remainder } 9$$

140

31 | 4349

31

--

124

124

9

0

-

9 ← remainder

$$4349 \div 37 = 117 \text{ remainder } 20$$

117

37 | 4349

37

--

64

37

--

279

259

20 ← remainder

$$4349 \div 41 = 106 \text{ remainder } 3$$

106
41 | 4349
41
--
24
0
-
249
246

3 ← remainder

$$4349 \div 43 = 101 \text{ remainder } 6$$

101
43 | 4349
43
--
4
0
-
49
43
--
6 ← remainder

$$4349 \div 47 = 92 \text{ remainder } 25$$

92
47 | 4349
423

119
94
--
25 ← remainder

$$4349 \div 53 = 82 \text{ remainder } 3$$

$$\begin{array}{r}
 82 \\
 53 \mid 4349 \\
 \underline{424} \\
 109 \\
 \underline{106} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$4349 \div 59 = 73 \text{ remainder } 42$$

$$\begin{array}{r}
 73 \\
 59 \mid 4349 \\
 \underline{413} \\
 219 \\
 \underline{177} \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$4349 \div 61 = 71 \text{ remainder } 18$$

$$\begin{array}{r}
 71 \\
 61 \mid 4349 \\
 \underline{427} \\
 79 \\
 \underline{61} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

P₅₉₅ 4357

$$4357 \div 2 = 2178 \text{ remainder } 1$$

$$\begin{array}{r} 2178 \\ 2 \mid 4357 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4357 \div 3 = 1452 \text{ remainder } 1$$

$$\begin{array}{r} 1452 \\ 3 \mid 4357 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 15 \\ \underline{15} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4357 \div 5 = 871 \text{ remainder } 2$$

$$\begin{array}{r} 871 \\ 5 \mid 4357 \\ \underline{40} \\ - - \end{array}$$

```

35
35
--
7
5
-
2 ← remainder

```

$$4357 \div 7 = 622 \text{ remainder } 3$$

```

622
7 | 4357
42
--
15
14
--
17
14
--
3 ← remainder

```

$$4357 \div 11 = 396 \text{ remainder } 1$$

```

396
11 | 4357
33
--
105
99
--
67
66
--
1 ← remainder

```

$$4357 \div 13 = 335 \text{ remainder } 2$$

```

335
13 | 4357
39
--
45
39

```



```

--
67
65
--
2 ← remainder

```

$$4357 \div 17 = 256 \text{ remainder } 5$$

```

      256
17 | 4357
    34
    --
    95
    85
    --
    107
    102
    ---
    5 ← remainder

```

$$4357 \div 19 = 229 \text{ remainder } 6$$

```

      229
19 | 4357
    38
    --
    55
    38
    --
    177
    171
    ---
    6 ← remainder

```

$$4357 \div 23 = 189 \text{ remainder } 10$$

```

      189
23 | 4357
    23
    --
    205
    184
    ---
    217

```

207

10 \leftarrow remainder

$$4357 \div 29 = 150 \text{ remainder } 7$$

150
29 | 4357
29

--

145

145

7

0

-

7 \leftarrow remainder

$$4357 \div 31 = 140 \text{ remainder } 17$$

140
31 | 4357
31

--

125

124

17

0

-

17 \leftarrow remainder

$$4357 \div 37 = 117 \text{ remainder } 28$$

117
37 | 4357
37

--

65

37

--

287

259

28 ← remainder

$$4357 \div 41 = 106 \text{ remainder } 11$$

```
      106
41 | 4357
    41
    --
    25
    0
    -
    257
    246
    ---
    11 ← remainder
```

$$4357 \div 43 = 101 \text{ remainder } 14$$

```
      101
43 | 4357
    43
    --
     5
     0
     -
     57
     43
     --
     14 ← remainder
```

$$4357 \div 47 = 92 \text{ remainder } 33$$

```
      92
47 | 4357
    423
    ---
    127
    94
    --
    33 ← remainder
```

$$4357 \div 53 = 82 \text{ remainder } 11$$

$$\begin{array}{r}
 82 \\
 53 \mid 4357 \\
 \underline{424} \\
 --- \\
 117 \\
 \underline{106} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$4357 \div 59 = 73 \text{ remainder } 50$$

$$\begin{array}{r}
 73 \\
 59 \mid 4357 \\
 \underline{413} \\
 --- \\
 227 \\
 \underline{177} \\
 --- \\
 50 \leftarrow \text{remainder}
 \end{array}$$

$$4357 \div 61 = 71 \text{ remainder } 26$$

$$\begin{array}{r}
 71 \\
 61 \mid 4357 \\
 \underline{427} \\
 --- \\
 87 \\
 \underline{61} \\
 --- \\
 26 \leftarrow \text{remainder}
 \end{array}$$

P₅₉₆ 4363

$$4363 \div 2 = 2181 \text{ remainder } 1$$

$$\begin{array}{r} 2181 \\ 2 \mid 4363 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4363 \div 3 = 1454 \text{ remainder } 1$$

$$\begin{array}{r} 1454 \\ 3 \mid 4363 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4363 \div 5 = 872 \text{ remainder } 3$$

$$\begin{array}{r} 872 \\ 5 \mid 4363 \\ \underline{40} \\ -- \end{array}$$

```

36
35
--
13
10
--
3 ← remainder

```

$$4363 \div 7 = 623 \text{ remainder } 2$$

```

    623
7 | 4363
   42
   --
    16
    14
    --
    23
    21
    --
    2 ← remainder

```

$$4363 \div 11 = 396 \text{ remainder } 7$$

```

    396
11 | 4363
    33
    --
   106
    99
    --
    73
    66
    --
    7 ← remainder

```

$$4363 \div 13 = 335 \text{ remainder } 8$$

```

    335
13 | 4363
    39
    --
    46
    39

```

```

--
73
65
--
8 ← remainder

```

$$4363 \div 17 = 256 \text{ remainder } 11$$

```

      256
17 | 4363
    34
    --
    96
    85
    --
    113
    102
    ---
    11 ← remainder

```

$$4363 \div 19 = 229 \text{ remainder } 12$$

```

      229
19 | 4363
    38
    --
    56
    38
    --
    183
    171
    ---
    12 ← remainder

```

$$4363 \div 23 = 189 \text{ remainder } 16$$

```

      189
23 | 4363
    23
    --
    206
    184
    ---
    223

```

207

16 ← remainder

$$4363 \div 29 = 150 \text{ remainder } 13$$

150
29 | 4363
29

--

146

145

13

0

-

13 ← remainder

$$4363 \div 31 = 140 \text{ remainder } 23$$

140
31 | 4363
31

--

126

124

23

0

-

23 ← remainder

$$4363 \div 37 = 117 \text{ remainder } 34$$

117
37 | 4363
37

--

66

37

--

293

259

34 ← remainder

$$4363 \div 41 = 106 \text{ remainder } 17$$

```
      106
41 | 4363
    41
    --
    26
    0
    -
    263
    246
    ---
    17 ← remainder
```

$$4363 \div 43 = 101 \text{ remainder } 20$$

```
      101
43 | 4363
    43
    --
     6
     0
     -
     63
     43
     --
     20 ← remainder
```

$$4363 \div 47 = 92 \text{ remainder } 39$$

```
      92
47 | 4363
    423
    ---
    133
    94
    --
    39 ← remainder
```

$$4363 \div 53 = 82 \text{ remainder } 17$$

$$\begin{array}{r}
 82 \\
 53 \mid 4363 \\
 \underline{424} \\
 123 \\
 \underline{106} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$4363 \div 59 = 73 \text{ remainder } 56$$

$$\begin{array}{r}
 73 \\
 59 \mid 4363 \\
 \underline{413} \\
 233 \\
 \underline{177} \\
 56 \leftarrow \text{remainder}
 \end{array}$$

$$4363 \div 61 = 71 \text{ remainder } 32$$

$$\begin{array}{r}
 71 \\
 61 \mid 4363 \\
 \underline{427} \\
 93 \\
 \underline{61} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

P₅₉₇ 4373

$$4373 \div 2 = 2186 \text{ remainder } 1$$

$$\begin{array}{r} 2186 \\ 2 \mid 4373 \\ 4 \\ - \\ 3 \\ 2 \\ - \\ 17 \\ 16 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4373 \div 3 = 1457 \text{ remainder } 2$$

$$\begin{array}{r} 1457 \\ 3 \mid 4373 \\ 3 \\ - \\ 13 \\ 12 \\ - \\ 17 \\ 15 \\ - \\ 23 \\ 21 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4373 \div 5 = 874 \text{ remainder } 3$$

$$\begin{array}{r} 874 \\ 5 \mid 4373 \\ 40 \\ - \\ \end{array}$$

```

37
35
--
23
20
--
3 ← remainder

```

$$4373 \div 7 = 624 \text{ remainder } 5$$

```

    624
7 | 4373
   42
   --
   17
   14
   --
   33
   28
   --
   5 ← remainder

```

$$4373 \div 11 = 397 \text{ remainder } 6$$

```

    397
11 | 4373
    33
    --
    107
    99
    --
    83
    77
    --
    6 ← remainder

```

$$4373 \div 13 = 336 \text{ remainder } 5$$

```

    336
13 | 4373
    39
    --
    47
    39

```

```

--
83
78
--
5 ← remainder

```

$$4373 \div 17 = 257 \text{ remainder } 4$$

```

      257
17 | 4373
    34
    --
    97
    85
    --
    123
    119
    ---
    4 ← remainder

```

$$4373 \div 19 = 230 \text{ remainder } 3$$

```

      230
19 | 4373
    38
    --
    57
    57
    --
    3
    0
    -
    3 ← remainder

```

$$4373 \div 23 = 190 \text{ remainder } 3$$

```

      190
23 | 4373
    23
    --
    207
    207
    ---
    3

```

0
-
3 ← remainder

$$4373 \div 29 = 150 \text{ remainder } 23$$

150
29 | 4373
29
--
147
145
--
23
0
-
23 ← remainder

$$4373 \div 31 = 141 \text{ remainder } 2$$

141
31 | 4373
31
--
127
124
--
33
31
--
2 ← remainder

$$4373 \div 37 = 118 \text{ remainder } 7$$

118
37 | 4373
37
--
67
37
--
303
296

7 ← remainder

$$4373 \div 41 = 106 \text{ remainder } 27$$

```
      106
41 | 4373
    41
    --
    27
    0
    -
    273
    246
    ---
    27 ← remainder
```

$$4373 \div 43 = 101 \text{ remainder } 30$$

```
      101
43 | 4373
    43
    --
    7
    0
    -
    73
    43
    --
    30 ← remainder
```

$$4373 \div 47 = 93 \text{ remainder } 2$$

```
      93
47 | 4373
    423
    ---
    143
    141
    ---
    2 ← remainder
```

$$4373 \div 53 = 82 \text{ remainder } 27$$

$$\begin{array}{r}
 82 \\
 53 \mid 4373 \\
 \underline{424} \\
 --- \\
 133 \\
 \underline{106} \\
 --- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$4373 \div 59 = 74 \text{ remainder } 7$$

$$\begin{array}{r}
 74 \\
 59 \mid 4373 \\
 \underline{413} \\
 --- \\
 243 \\
 \underline{236} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$4373 \div 61 = 71 \text{ remainder } 42$$

$$\begin{array}{r}
 71 \\
 61 \mid 4373 \\
 \underline{427} \\
 --- \\
 103 \\
 \underline{61} \\
 --- \\
 42 \leftarrow \text{remainder}
 \end{array}$$

P₅₉₈ 4391

$$4391 \div 2 = 2195 \text{ remainder } 1$$

$$\begin{array}{r} 2195 \\ 2 \mid 4391 \\ 4 \\ - \\ 3 \\ 2 \\ - \\ 19 \\ 18 \\ - \\ 11 \\ 10 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4391 \div 3 = 1463 \text{ remainder } 2$$

$$\begin{array}{r} 1463 \\ 3 \mid 4391 \\ 3 \\ - \\ 13 \\ 12 \\ - \\ 19 \\ 18 \\ - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4391 \div 5 = 878 \text{ remainder } 1$$

$$\begin{array}{r} 878 \\ 5 \mid 4391 \\ 40 \\ - \\ \end{array}$$

```

39
35
--
41
40
--
1 ← remainder

```

$$4391 \div 7 = 627 \text{ remainder } 2$$

```

    627
7 | 4391
   42
   --
    19
    14
    --
    51
    49
    --
    2 ← remainder

```

$$4391 \div 11 = 399 \text{ remainder } 2$$

```

    399
11 | 4391
    33
    --
    109
    99
    --
    101
    99
    --
    2 ← remainder

```

$$4391 \div 13 = 337 \text{ remainder } 10$$

```

    337
13 | 4391
    39
    --
    49
    39

```

```

--
101
91
--
10 ← remainder

```

$$4391 \div 17 = 258 \text{ remainder } 5$$

```

      258
17 | 4391
    34
    --
    99
    85
    --
    141
    136
    ---
    5 ← remainder

```

$$4391 \div 19 = 231 \text{ remainder } 2$$

```

      231
19 | 4391
    38
    --
    59
    57
    --
    21
    19
    --
    2 ← remainder

```

$$4391 \div 23 = 190 \text{ remainder } 21$$

```

      190
23 | 4391
    23
    --
    209
    207
    ---
    21

```

0
-
21 ← remainder

$$4391 \div 29 = 151 \text{ remainder } 12$$

```

      151
29 | 4391
    29
    --
    149
    145
    ---
     41
     29
     --
     12 ← remainder

```

$$4391 \div 31 = 141 \text{ remainder } 20$$

```

      141
31 | 4391
    31
    --
    129
    124
    ---
     51
     31
     --
     20 ← remainder

```

$$4391 \div 37 = 118 \text{ remainder } 25$$

```

      118
37 | 4391
    37
    --
     69
     37
     --
    321
    296

```

25 ← remainder

$$4391 \div 41 = 107 \text{ remainder } 4$$

```
      107
41 | 4391
    41
    --
    29
    0
    -
    291
    287
    ---
    4 ← remainder
```

$$4391 \div 43 = 102 \text{ remainder } 5$$

```
      102
43 | 4391
    43
    --
    9
    0
    -
    91
    86
    --
    5 ← remainder
```

$$4391 \div 47 = 93 \text{ remainder } 20$$

```
      93
47 | 4391
    423
    ---
    161
    141
    ---
    20 ← remainder
```

$$4391 \div 53 = 82 \text{ remainder } 45$$

$$\begin{array}{r}
 82 \\
 53 \mid 4391 \\
 \underline{424} \\
 151 \\
 \underline{106} \\
 45 \leftarrow \text{remainder}
 \end{array}$$

$$4391 \div 59 = 74 \text{ remainder } 25$$

$$\begin{array}{r}
 74 \\
 59 \mid 4391 \\
 \underline{413} \\
 261 \\
 \underline{236} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$4391 \div 61 = 71 \text{ remainder } 60$$

$$\begin{array}{r}
 71 \\
 61 \mid 4391 \\
 \underline{427} \\
 121 \\
 \underline{61} \\
 60 \leftarrow \text{remainder}
 \end{array}$$

P₅₉₉ 4397

$$4397 \div 2 = 2198 \text{ remainder } 1$$

$$\begin{array}{r} 2198 \\ 2 \mid 4397 \\ 4 \\ - \\ 3 \\ 2 \\ - \\ 19 \\ 18 \\ - \\ 17 \\ 16 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4397 \div 3 = 1465 \text{ remainder } 2$$

$$\begin{array}{r} 1465 \\ 3 \mid 4397 \\ 3 \\ - \\ 13 \\ 12 \\ - \\ 19 \\ 18 \\ - \\ 17 \\ 15 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4397 \div 5 = 879 \text{ remainder } 2$$

$$\begin{array}{r} 879 \\ 5 \mid 4397 \\ 40 \\ - \\ \end{array}$$

```

39
35
--
47
45
--
2 ← remainder

```

$$4397 \div 7 = 628 \text{ remainder } 1$$

```

628
7 | 4397
42
--
19
14
--
57
56
--
1 ← remainder

```

$$4397 \div 11 = 399 \text{ remainder } 8$$

```

399
11 | 4397
33
--
109
99
--
107
99
--
8 ← remainder

```

$$4397 \div 13 = 338 \text{ remainder } 3$$

```

338
13 | 4397
39
--
49
39

```



```

--
107
104
---
3 ← remainder

```

$$4397 \div 17 = 258 \text{ remainder } 11$$

```

258
17 | 4397
   34
   --
   99
   85
   --
  147
  136
  ---
  11 ← remainder

```

$$4397 \div 19 = 231 \text{ remainder } 8$$

```

231
19 | 4397
   38
   --
   59
   57
   --
   27
   19
   --
   8 ← remainder

```

$$4397 \div 23 = 191 \text{ remainder } 4$$

```

191
23 | 4397
   23
   --
  209
  207
  ---
   27

```

23

--

4 ← remainder

$$4397 \div 29 = 151 \text{ remainder } 18$$

151
29 | 4397
29

--

149

145

47

29

--

18 ← remainder

$$4397 \div 31 = 141 \text{ remainder } 26$$

141
31 | 4397
31

--

129

124

57

31

--

26 ← remainder

$$4397 \div 37 = 118 \text{ remainder } 31$$

118
37 | 4397
37

--

69

37

--

327

296

31 ← remainder

$$4397 \div 41 = 107 \text{ remainder } 10$$

107
41 | 4397
41
--
29
0
-
297
287

10 ← remainder

$$4397 \div 43 = 102 \text{ remainder } 11$$

102
43 | 4397
43
--
9
0
-
97
86
--
11 ← remainder

$$4397 \div 47 = 93 \text{ remainder } 26$$

93
47 | 4397
423

167
141

26 ← remainder

$$4397 \div 53 = 82 \text{ remainder } 51$$

$$\begin{array}{r}
 82 \\
 53 \mid 4397 \\
 \underline{424} \\
 --- \\
 157 \\
 \underline{106} \\
 --- \\
 51 \leftarrow \text{remainder}
 \end{array}$$

$$4397 \div 59 = 74 \text{ remainder } 31$$

$$\begin{array}{r}
 74 \\
 59 \mid 4397 \\
 \underline{413} \\
 --- \\
 267 \\
 \underline{236} \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$4397 \div 61 = 72 \text{ remainder } 5$$

$$\begin{array}{r}
 72 \\
 61 \mid 4397 \\
 \underline{427} \\
 --- \\
 127 \\
 \underline{122} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₀ 4409

$$4409 \div 2 = 2204 \text{ remainder } 1$$

$$\begin{array}{r} 2204 \\ 2 \mid 4409 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 0 \\ \underline{0} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4409 \div 3 = 1469 \text{ remainder } 2$$

$$\begin{array}{r} 1469 \\ 3 \mid 4409 \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 20 \\ \underline{18} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4409 \div 5 = 881 \text{ remainder } 4$$

$$\begin{array}{r} 881 \\ 5 \mid 4409 \\ \underline{40} \\ - - \end{array}$$

```

40
40
--
9
5
-
4 ← remainder

```

$$4409 \div 7 = 629 \text{ remainder } 6$$

```

    629
7 | 4409
   42
   --
   20
   14
   --
   69
   63
   --
   6 ← remainder

```

$$4409 \div 11 = 400 \text{ remainder } 9$$

```

    400
11 | 4409
   44
   --
    0
    0
    -
    9
    0
    -
    9 ← remainder

```

$$4409 \div 13 = 339 \text{ remainder } 2$$

```

    339
13 | 4409
   39
   --
   50
   39

```

```

--
119
117
---
2 ← remainder

```

$$4409 \div 17 = 259 \text{ remainder } 6$$

```

259
17 | 4409
   34
   --
   100
   85
   --
   159
   153
   ---
   6 ← remainder

```

$$4409 \div 19 = 232 \text{ remainder } 1$$

```

232
19 | 4409
   38
   --
   60
   57
   --
   39
   38
   --
   1 ← remainder

```

$$4409 \div 23 = 191 \text{ remainder } 16$$

```

191
23 | 4409
   23
   --
   210
   207
   ---
   39

```

23

--

16 \leftarrow remainder

$$4409 \div 29 = 152 \text{ remainder } 1$$

152
29 | 4409

29

--

150

145

59

58

--

1 \leftarrow remainder

$$4409 \div 31 = 142 \text{ remainder } 7$$

142
31 | 4409

31

--

130

124

69

62

--

7 \leftarrow remainder

$$4409 \div 37 = 119 \text{ remainder } 6$$

119
37 | 4409

37

--

70

37

--

339

333

6 ← remainder

$$4409 \div 41 = 107 \text{ remainder } 22$$

```
      107
41 | 4409
    41
    --
    30
    0
    -
    309
    287
    ---
    22 ← remainder
```

$$4409 \div 43 = 102 \text{ remainder } 23$$

```
      102
43 | 4409
    43
    --
    10
    0
    -
    109
    86
    --
    23 ← remainder
```

$$4409 \div 47 = 93 \text{ remainder } 38$$

```
      93
47 | 4409
    423
    ---
    179
    141
    ---
    38 ← remainder
```

$$4409 \div 53 = 83 \text{ remainder } 10$$

$$\begin{array}{r}
 83 \\
 53 \mid 4409 \\
 \underline{424} \\
 169 \\
 \underline{159} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$4409 \div 59 = 74 \text{ remainder } 43$$

$$\begin{array}{r}
 74 \\
 59 \mid 4409 \\
 \underline{413} \\
 279 \\
 \underline{236} \\
 43 \leftarrow \text{remainder}
 \end{array}$$

$$4409 \div 61 = 72 \text{ remainder } 17$$

$$\begin{array}{r}
 72 \\
 61 \mid 4409 \\
 \underline{427} \\
 139 \\
 \underline{122} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₁ 4421

$$4421 \div 2 = 2210 \text{ remainder } 1$$

$$\begin{array}{r} 2210 \\ 2 \overline{) 4421} \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4421 \div 3 = 1473 \text{ remainder } 2$$

$$\begin{array}{r} 1473 \\ 3 \overline{) 4421} \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 22 \\ \underline{21} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4421 \div 5 = 884 \text{ remainder } 1$$

$$\begin{array}{r} 884 \\ 5 \overline{) 4421} \\ \underline{40} \\ - - \end{array}$$

```

42
40
--
21
20
--
1 ← remainder

```

$$4421 \div 7 = 631 \text{ remainder } 4$$

```

    631
7 | 4421
   42
   --
   22
   21
   --
   11
   7
   -
   4 ← remainder

```

$$4421 \div 11 = 401 \text{ remainder } 10$$

```

    401
11 | 4421
   44
   --
    2
    0
    -
    21
    11
    --
    10 ← remainder

```

$$4421 \div 13 = 340 \text{ remainder } 1$$

```

    340
13 | 4421
   39
   --
   52
   52

```

```

--
1
0
-
1 ← remainder

```

$$4421 \div 17 = 260 \text{ remainder } 1$$

```

      260
17 | 4421
    34
    --
    102
    102
    ---
     1
     0
     -
     1 ← remainder

```

$$4421 \div 19 = 232 \text{ remainder } 13$$

```

      232
19 | 4421
    38
    --
    62
    57
    --
    51
    38
    --
    13 ← remainder

```

$$4421 \div 23 = 192 \text{ remainder } 5$$

```

      192
23 | 4421
    23
    --
    212
    207
    ---
     51

```

46
 --
 5 ← remainder

$$4421 \div 29 = 152 \text{ remainder } 13$$

152
 29 | 4421
 29
 --
 152
 145

 71
 58
 --
 13 ← remainder

$$4421 \div 31 = 142 \text{ remainder } 19$$

142
 31 | 4421
 31
 --
 132
 124

 81
 62
 --
 19 ← remainder

$$4421 \div 37 = 119 \text{ remainder } 18$$

119
 37 | 4421
 37
 --
 72
 37
 --
 351
 333

18 ← remainder

$$4421 \div 41 = 107 \text{ remainder } 34$$

$$\begin{array}{r} 107 \\ 41 \overline{) 4421} \\ \underline{41} \\ 32 \\ \underline{0} \end{array}$$

--

32

0

-

321

287

34 ← remainder

$$4421 \div 43 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 43 \overline{) 4421} \\ \underline{43} \\ 12 \\ \underline{0} \end{array}$$

--

12

0

-

121

86

--

35 ← remainder

$$4421 \div 47 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 47 \overline{) 4421} \\ \underline{423} \\ 191 \\ \underline{188} \end{array}$$

191

188

3 ← remainder

$$4421 \div 53 = 83 \text{ remainder } 22$$

$$\begin{array}{r}
 83 \\
 53 \mid 4421 \\
 \underline{424} \\
 --- \\
 181 \\
 \underline{159} \\
 --- \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$4421 \div 59 = 74 \text{ remainder } 55$$

$$\begin{array}{r}
 74 \\
 59 \mid 4421 \\
 \underline{413} \\
 --- \\
 291 \\
 \underline{236} \\
 --- \\
 55 \leftarrow \text{remainder}
 \end{array}$$

$$4421 \div 61 = 72 \text{ remainder } 29$$

$$\begin{array}{r}
 72 \\
 61 \mid 4421 \\
 \underline{427} \\
 --- \\
 151 \\
 \underline{122} \\
 --- \\
 29 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₂ 4423

$$4423 \div 2 = 2211 \text{ remainder } 1$$

$$\begin{array}{r} 2211 \\ 2 \overline{) 4423} \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4423 \div 3 = 1474 \text{ remainder } 1$$

$$\begin{array}{r} 1474 \\ 3 \overline{) 4423} \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4423 \div 5 = 884 \text{ remainder } 3$$

$$\begin{array}{r} 884 \\ 5 \overline{) 4423} \\ \underline{40} \\ -- \end{array}$$

```

42
40
--
23
20
--
3 ← remainder

```

$$4423 \div 7 = 631 \text{ remainder } 6$$

```

    631
7 | 4423
   42
   --
   22
   21
   --
   13
   7
   -
   6 ← remainder

```

$$4423 \div 11 = 402 \text{ remainder } 1$$

```

    402
11 | 4423
   44
   --
    2
    0
    -
    23
    22
    --
    1 ← remainder

```

$$4423 \div 13 = 340 \text{ remainder } 3$$

```

    340
13 | 4423
   39
   --
   52
   52

```

```

--
3
0
-
3 ← remainder

```

$$4423 \div 17 = 260 \text{ remainder } 3$$

```

      260
17 | 4423
    34
    --
    102
    102
    ---
     3
     0
     -
     3 ← remainder

```

$$4423 \div 19 = 232 \text{ remainder } 15$$

```

      232
19 | 4423
    38
    --
    62
    57
    --
    53
    38
    --
    15 ← remainder

```

$$4423 \div 23 = 192 \text{ remainder } 7$$

```

      192
23 | 4423
    23
    --
    212
    207
    ---
     53

```

46
 --
 7 ← remainder

$$4423 \div 29 = 152 \text{ remainder } 15$$

152
 29 | 4423
 29
 --
 152
 145

 73
 58
 --
 15 ← remainder

$$4423 \div 31 = 142 \text{ remainder } 21$$

142
 31 | 4423
 31
 --
 132
 124

 83
 62
 --
 21 ← remainder

$$4423 \div 37 = 119 \text{ remainder } 20$$

119
 37 | 4423
 37
 --
 72
 37
 --
 353
 333

20 ← remainder

$$4423 \div 41 = 107 \text{ remainder } 36$$

```
      107
41 | 4423
    41
    --
    32
    0
    -
    323
    287
    ---
    36 ← remainder
```

$$4423 \div 43 = 102 \text{ remainder } 37$$

```
      102
43 | 4423
    43
    --
    12
    0
    -
    123
    86
    --
    37 ← remainder
```

$$4423 \div 47 = 94 \text{ remainder } 5$$

```
      94
47 | 4423
    423
    ---
    193
    188
    ---
    5 ← remainder
```

$$4423 \div 53 = 83 \text{ remainder } 24$$

$$\begin{array}{r}
 83 \\
 53 \mid 4423 \\
 \underline{424} \\
 --- \\
 183 \\
 \underline{159} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$4423 \div 59 = 74 \text{ remainder } 57$$

$$\begin{array}{r}
 74 \\
 59 \mid 4423 \\
 \underline{413} \\
 --- \\
 293 \\
 \underline{236} \\
 --- \\
 57 \leftarrow \text{remainder}
 \end{array}$$

$$4423 \div 61 = 72 \text{ remainder } 31$$

$$\begin{array}{r}
 72 \\
 61 \mid 4423 \\
 \underline{427} \\
 --- \\
 153 \\
 \underline{122} \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₃ 4441

$$4441 \div 2 = 2220 \text{ remainder } 1$$

$$\begin{array}{r} 2220 \\ 2 \mid 4441 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4441 \div 3 = 1480 \text{ remainder } 1$$

$$\begin{array}{r} 1480 \\ 3 \mid 4441 \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4441 \div 5 = 888 \text{ remainder } 1$$

$$\begin{array}{r} 888 \\ 5 \mid 4441 \\ \underline{40} \\ - - \end{array}$$

```

44
40
--
41
40
--
1 ← remainder

```

$$4441 \div 7 = 634 \text{ remainder } 3$$

```

    634
7 | 4441
   42
   --
   24
   21
   --
   31
   28
   --
   3 ← remainder

```

$$4441 \div 11 = 403 \text{ remainder } 8$$

```

    403
11 | 4441
   44
   --
    4
    0
    -
    41
    33
    --
    8 ← remainder

```

$$4441 \div 13 = 341 \text{ remainder } 8$$

```

    341
13 | 4441
   39
   --
   54
   52

```



```

--
21
13
--
8 ← remainder

```

$$4441 \div 17 = 261 \text{ remainder } 4$$

```

      261
17 | 4441
    34
    --
    104
    102
    ---
     21
     17
     --
     4 ← remainder

```

$$4441 \div 19 = 233 \text{ remainder } 14$$

```

      233
19 | 4441
    38
    --
    64
    57
    --
    71
    57
    --
    14 ← remainder

```

$$4441 \div 23 = 193 \text{ remainder } 2$$

```

      193
23 | 4441
    23
    --
    214
    207
    ---
     71

```

69

--

2 ← remainder

$$4441 \div 29 = 153 \text{ remainder } 4$$

153

29 | 4441

29

--

154

145

91

87

--

4 ← remainder

$$4441 \div 31 = 143 \text{ remainder } 8$$

143

31 | 4441

31

--

134

124

101

93

--

8 ← remainder

$$4441 \div 37 = 120 \text{ remainder } 1$$

120

37 | 4441

37

--

74

74

--

1

0

-
1 ← remainder

$$4441 \div 41 = 108 \text{ remainder } 13$$

```
      108
41 | 4441
    41
    --
    34
    0
    -
    341
    328
    ---
    13 ← remainder
```

$$4441 \div 43 = 103 \text{ remainder } 12$$

```
      103
43 | 4441
    43
    --
    14
    0
    -
    141
    129
    ---
    12 ← remainder
```

$$4441 \div 47 = 94 \text{ remainder } 23$$

```
      94
47 | 4441
    423
    ---
    211
    188
    ---
    23 ← remainder
```

$$4441 \div 53 = 83 \text{ remainder } 42$$

$$\begin{array}{r}
 83 \\
 53 \mid 4441 \\
 \underline{424} \\
 --- \\
 201 \\
 \underline{159} \\
 --- \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$4441 \div 59 = 75 \text{ remainder } 16$$

$$\begin{array}{r}
 75 \\
 59 \mid 4441 \\
 \underline{413} \\
 --- \\
 311 \\
 \underline{295} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$4441 \div 61 = 72 \text{ remainder } 49$$

$$\begin{array}{r}
 72 \\
 61 \mid 4441 \\
 \underline{427} \\
 --- \\
 171 \\
 \underline{122} \\
 --- \\
 49 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₄ 4447

$$4447 \div 2 = 2223 \text{ remainder } 1$$

$$\begin{array}{r} 2223 \\ 2 \mid 4447 \\ 4 \\ - \\ 4 \\ 4 \\ - \\ 4 \\ 4 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4447 \div 3 = 1482 \text{ remainder } 1$$

$$\begin{array}{r} 1482 \\ 3 \mid 4447 \\ 3 \\ - \\ 14 \\ 12 \\ - - \\ 24 \\ 24 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4447 \div 5 = 889 \text{ remainder } 2$$

$$\begin{array}{r} 889 \\ 5 \mid 4447 \\ 40 \\ - - \end{array}$$

```

44
40
--
47
45
--
2 ← remainder

```

$$4447 \div 7 = 635 \text{ remainder } 2$$

```

      635
7 | 4447
   42
   --
   24
   21
   --
   37
   35
   --
   2 ← remainder

```

$$4447 \div 11 = 404 \text{ remainder } 3$$

```

      404
11 | 4447
    44
    --
     4
     0
     -
     47
     44
     --
     3 ← remainder

```

$$4447 \div 13 = 342 \text{ remainder } 1$$

```

      342
13 | 4447
    39
    --
    54
    52

```

```

--
27
26
--
1 ← remainder

```

$$4447 \div 17 = 261 \text{ remainder } 10$$

```

      261
17 | 4447
    34
    --
    104
    102
    ---
     27
     17
     --
     10 ← remainder

```

$$4447 \div 19 = 234 \text{ remainder } 1$$

```

      234
19 | 4447
    38
    --
    64
    57
    --
    77
    76
    --
     1 ← remainder

```

$$4447 \div 23 = 193 \text{ remainder } 8$$

```

      193
23 | 4447
    23
    --
    214
    207
    ---
     77

```

69

--

8 ← remainder

$$4447 \div 29 = 153 \text{ remainder } 10$$

153
29 | 4447
29

--

154

145

97

87

--

10 ← remainder

$$4447 \div 31 = 143 \text{ remainder } 14$$

143
31 | 4447
31

--

134

124

107

93

--

14 ← remainder

$$4447 \div 37 = 120 \text{ remainder } 7$$

120
37 | 4447
37

--

74

74

--

7

0

-
7 ← remainder

$$4447 \div 41 = 108 \text{ remainder } 19$$

```
      108
41 | 4447
    41
    --
    34
    0
    -
    347
    328
    ---
    19 ← remainder
```

$$4447 \div 43 = 103 \text{ remainder } 18$$

```
      103
43 | 4447
    43
    --
    14
    0
    -
    147
    129
    ---
    18 ← remainder
```

$$4447 \div 47 = 94 \text{ remainder } 29$$

```
      94
47 | 4447
    423
    ---
    217
    188
    ---
    29 ← remainder
```

$$4447 \div 53 = 83 \text{ remainder } 48$$

$$\begin{array}{r}
 83 \\
 53 \mid 4447 \\
 \underline{424} \\
 --- \\
 207 \\
 \underline{159} \\
 --- \\
 48 \leftarrow \text{remainder}
 \end{array}$$

$$4447 \div 59 = 75 \text{ remainder } 22$$

$$\begin{array}{r}
 75 \\
 59 \mid 4447 \\
 \underline{413} \\
 --- \\
 317 \\
 \underline{295} \\
 --- \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$4447 \div 61 = 72 \text{ remainder } 55$$

$$\begin{array}{r}
 72 \\
 61 \mid 4447 \\
 \underline{427} \\
 --- \\
 177 \\
 \underline{122} \\
 --- \\
 55 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₅ 4451

$$4451 \div 2 = 2225 \text{ remainder } 1$$

$$\begin{array}{r} 2225 \\ 2 \mid 4451 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4451 \div 3 = 1483 \text{ remainder } 2$$

$$\begin{array}{r} 1483 \\ 3 \mid 4451 \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 25 \\ \underline{24} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4451 \div 5 = 890 \text{ remainder } 1$$

$$\begin{array}{r} 890 \\ 5 \mid 4451 \\ \underline{40} \\ - - \end{array}$$

```

45
45
--
1
0
-
1 ← remainder

```

$$4451 \div 7 = 635 \text{ remainder } 6$$

```

    635
7 | 4451
   42
   --
    25
    21
    --
    41
    35
    --
    6 ← remainder

```

$$4451 \div 11 = 404 \text{ remainder } 7$$

```

    404
11 | 4451
   44
   --
    5
    0
    -
    51
    44
    --
    7 ← remainder

```

$$4451 \div 13 = 342 \text{ remainder } 5$$

```

    342
13 | 4451
   39
   --
    55
    52

```

```

--
31
26
--
5 ← remainder

```

$$4451 \div 17 = 261 \text{ remainder } 14$$

```

      261
17 | 4451
    34
    --
    105
    102
    ---
     31
     17
     --
     14 ← remainder

```

$$4451 \div 19 = 234 \text{ remainder } 5$$

```

      234
19 | 4451
    38
    --
    65
    57
    --
    81
    76
    --
     5 ← remainder

```

$$4451 \div 23 = 193 \text{ remainder } 12$$

```

      193
23 | 4451
    23
    --
    215
    207
    ---
     81

```

69

--

12 \leftarrow remainder

$$4451 \div 29 = 153 \text{ remainder } 14$$

153
29 | 4451
29

--

155

145

101

87

--

14 \leftarrow remainder

$$4451 \div 31 = 143 \text{ remainder } 18$$

143
31 | 4451
31

--

135

124

111

93

--

18 \leftarrow remainder

$$4451 \div 37 = 120 \text{ remainder } 11$$

120
37 | 4451
37

--

75

74

--

11

0

-
11 ← remainder

$$4451 \div 41 = 108 \text{ remainder } 23$$

```
      108
41 | 4451
    41
    --
    35
    0
    -
    351
    328
    ---
    23 ← remainder
```

$$4451 \div 43 = 103 \text{ remainder } 22$$

```
      103
43 | 4451
    43
    --
    15
    0
    -
    151
    129
    ---
    22 ← remainder
```

$$4451 \div 47 = 94 \text{ remainder } 33$$

```
      94
47 | 4451
    423
    ---
    221
    188
    ---
    33 ← remainder
```

$$4451 \div 53 = 83 \text{ remainder } 52$$

$$\begin{array}{r}
 83 \\
 53 \mid 4451 \\
 \underline{424} \\
 211 \\
 \underline{159} \\
 52 \leftarrow \text{remainder}
 \end{array}$$

$$4451 \div 59 = 75 \text{ remainder } 26$$

$$\begin{array}{r}
 75 \\
 59 \mid 4451 \\
 \underline{413} \\
 321 \\
 \underline{295} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$4451 \div 61 = 72 \text{ remainder } 59$$

$$\begin{array}{r}
 72 \\
 61 \mid 4451 \\
 \underline{427} \\
 181 \\
 \underline{122} \\
 59 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₆ 4457

$$4457 \div 2 = 2228 \text{ remainder } 1$$

$$\begin{array}{r} 2228 \\ 2 \overline{) 4457} \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4457 \div 3 = 1485 \text{ remainder } 2$$

$$\begin{array}{r} 1485 \\ 3 \overline{) 4457} \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4457 \div 5 = 891 \text{ remainder } 2$$

$$\begin{array}{r} 891 \\ 5 \overline{) 4457} \\ \underline{40} \\ -- \end{array}$$

```

45
45
--
7
5
-
2 ← remainder

```

$$4457 \div 7 = 636 \text{ remainder } 5$$

```

    636
7 | 4457
   42
   --
   25
   21
   --
   47
   42
   --
   5 ← remainder

```

$$4457 \div 11 = 405 \text{ remainder } 2$$

```

    405
11 | 4457
   44
   --
    5
    0
    -
    57
    55
    --
    2 ← remainder

```

$$4457 \div 13 = 342 \text{ remainder } 11$$

```

    342
13 | 4457
   39
   --
   55
   52

```

```

--
37
26
--
11 ← remainder

```

$$4457 \div 17 = 262 \text{ remainder } 3$$

```

      262
17 | 4457
    34
    --
    105
    102
    ---
     37
     34
     --
      3 ← remainder

```

$$4457 \div 19 = 234 \text{ remainder } 11$$

```

      234
19 | 4457
    38
    --
    65
    57
    --
    87
    76
    --
    11 ← remainder

```

$$4457 \div 23 = 193 \text{ remainder } 18$$

```

      193
23 | 4457
    23
    --
    215
    207
    ---
     87

```

69

--

18 \leftarrow remainder

$$4457 \div 29 = 153 \text{ remainder } 20$$

153
29 | 4457
29

--

155

145

107

87

--

20 \leftarrow remainder

$$4457 \div 31 = 143 \text{ remainder } 24$$

143
31 | 4457
31

--

135

124

117

93

--

24 \leftarrow remainder

$$4457 \div 37 = 120 \text{ remainder } 17$$

120
37 | 4457
37

--

75

74

--

17

0

-
17 ← remainder

$$4457 \div 41 = 108 \text{ remainder } 29$$

```
      108
41 | 4457
    41
    --
    35
    0
    -
    357
    328
    ---
    29 ← remainder
```

$$4457 \div 43 = 103 \text{ remainder } 28$$

```
      103
43 | 4457
    43
    --
    15
    0
    -
    157
    129
    ---
    28 ← remainder
```

$$4457 \div 47 = 94 \text{ remainder } 39$$

```
      94
47 | 4457
    423
    ---
    227
    188
    ---
    39 ← remainder
```

$$4457 \div 53 = 84 \text{ remainder } 5$$

$$\begin{array}{r}
 84 \\
 53 \mid 4457 \\
 \underline{424} \\
 --- \\
 217 \\
 \underline{212} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$4457 \div 59 = 75 \text{ remainder } 32$$

$$\begin{array}{r}
 75 \\
 59 \mid 4457 \\
 \underline{413} \\
 --- \\
 327 \\
 \underline{295} \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$4457 \div 61 = 73 \text{ remainder } 4$$

$$\begin{array}{r}
 73 \\
 61 \mid 4457 \\
 \underline{427} \\
 --- \\
 187 \\
 \underline{183} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₇ 4463

$$4463 \div 2 = 2231 \text{ remainder } 1$$

$$\begin{array}{r} 2231 \\ 2 \overline{) 4463} \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4463 \div 3 = 1487 \text{ remainder } 2$$

$$\begin{array}{r} 1487 \\ 3 \overline{) 4463} \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 26 \\ \underline{24} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4463 \div 5 = 892 \text{ remainder } 3$$

$$\begin{array}{r} 892 \\ 5 \overline{) 4463} \\ \underline{40} \\ - - \end{array}$$

```

46
45
--
13
10
--
3 ← remainder

```

$$4463 \div 7 = 637 \text{ remainder } 4$$

```

    637
7 | 4463
   42
   --
    26
    21
    --
    53
    49
    --
    4 ← remainder

```

$$4463 \div 11 = 405 \text{ remainder } 8$$

```

    405
11 | 4463
    44
    --
     6
     0
     -
    63
    55
    --
     8 ← remainder

```

$$4463 \div 13 = 343 \text{ remainder } 4$$

```

    343
13 | 4463
    39
    --
    56
    52

```



```

--
43
39
--
4 ← remainder

```

$$4463 \div 17 = 262 \text{ remainder } 9$$

```

      262
17 | 4463
    34
    --
    106
    102
    ---
     43
     34
     --
     9 ← remainder

```

$$4463 \div 19 = 234 \text{ remainder } 17$$

```

      234
19 | 4463
    38
    --
    66
    57
    --
    93
    76
    --
    17 ← remainder

```

$$4463 \div 23 = 194 \text{ remainder } 1$$

```

      194
23 | 4463
    23
    --
    216
    207
    ---
     93

```

92

--

1 ← remainder

$$4463 \div 29 = 153 \text{ remainder } 26$$

153
29 | 4463
29

--

156

145

113

87

--

26 ← remainder

$$4463 \div 31 = 143 \text{ remainder } 30$$

143
31 | 4463
31

--

136

124

123

93

--

30 ← remainder

$$4463 \div 37 = 120 \text{ remainder } 23$$

120
37 | 4463
37

--

76

74

--

23

0

-
23 ← remainder

$$4463 \div 41 = 108 \text{ remainder } 35$$

```
      108
41 | 4463
    41
    --
    36
    0
    -
    363
    328
    ---
    35 ← remainder
```

$$4463 \div 43 = 103 \text{ remainder } 34$$

```
      103
43 | 4463
    43
    --
    16
    0
    -
    163
    129
    ---
    34 ← remainder
```

$$4463 \div 47 = 94 \text{ remainder } 45$$

```
      94
47 | 4463
    423
    ---
    233
    188
    ---
    45 ← remainder
```

$$4463 \div 53 = 84 \text{ remainder } 11$$

$$\begin{array}{r}
 84 \\
 53 \mid 4463 \\
 \underline{424} \\
 --- \\
 223 \\
 \underline{212} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$4463 \div 59 = 75 \text{ remainder } 38$$

$$\begin{array}{r}
 75 \\
 59 \mid 4463 \\
 \underline{413} \\
 --- \\
 333 \\
 \underline{295} \\
 --- \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$4463 \div 61 = 73 \text{ remainder } 10$$

$$\begin{array}{r}
 73 \\
 61 \mid 4463 \\
 \underline{427} \\
 --- \\
 193 \\
 \underline{183} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₈ 4481

$$4481 \div 2 = 2240 \text{ remainder } 1$$

$$\begin{array}{r} 2240 \\ 2 \mid 4481 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4481 \div 3 = 1493 \text{ remainder } 2$$

$$\begin{array}{r} 1493 \\ 3 \mid 4481 \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4481 \div 5 = 896 \text{ remainder } 1$$

$$\begin{array}{r} 896 \\ 5 \mid 4481 \\ \underline{40} \\ - - \end{array}$$

```

48
45
--
31
30
--
1 ← remainder

```

$$4481 \div 7 = 640 \text{ remainder } 1$$

```

    640
7 | 4481
   42
   --
   28
   28
   --
   1
   0
   -
   1 ← remainder

```

$$4481 \div 11 = 407 \text{ remainder } 4$$

```

    407
11 | 4481
   44
   --
   8
   0
   -
   81
   77
   --
   4 ← remainder

```

$$4481 \div 13 = 344 \text{ remainder } 9$$

```

    344
13 | 4481
   39
   --
   58
   52

```

```

--
61
52
--
9 ← remainder

```

$$4481 \div 17 = 263 \text{ remainder } 10$$

```

      263
17 | 4481
    34
    --
    108
    102
    ---
     61
     51
     --
    10 ← remainder

```

$$4481 \div 19 = 235 \text{ remainder } 16$$

```

      235
19 | 4481
    38
    --
    68
    57
    --
    111
    95
    --
    16 ← remainder

```

$$4481 \div 23 = 194 \text{ remainder } 19$$

```

      194
23 | 4481
    23
    --
    218
    207
    ---
    111

```

92

--

19 ← remainder

$$4481 \div 29 = 154 \text{ remainder } 15$$

154
29 | 4481
29

--

158

145

131

116

15 ← remainder

$$4481 \div 31 = 144 \text{ remainder } 17$$

144
31 | 4481
31

--

138

124

141

124

17 ← remainder

$$4481 \div 37 = 121 \text{ remainder } 4$$

121
37 | 4481
37

--

78

74

--

41

37

--
4 ← remainder

$$4481 \div 41 = 109 \text{ remainder } 12$$

109
41 | 4481
41
--
38
0
-
381
369

12 ← remainder

$$4481 \div 43 = 104 \text{ remainder } 9$$

104
43 | 4481
43
--
18
0
-
181
172

9 ← remainder

$$4481 \div 47 = 95 \text{ remainder } 16$$

95
47 | 4481
423

251
235

16 ← remainder

$$4481 \div 53 = 84 \text{ remainder } 29$$

$$\begin{array}{r}
 84 \\
 53 \mid 4481 \\
 \underline{424} \\
 --- \\
 241 \\
 \underline{212} \\
 --- \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$4481 \div 59 = 75 \text{ remainder } 56$$

$$\begin{array}{r}
 75 \\
 59 \mid 4481 \\
 \underline{413} \\
 --- \\
 351 \\
 \underline{295} \\
 --- \\
 56 \leftarrow \text{remainder}
 \end{array}$$

$$4481 \div 61 = 73 \text{ remainder } 28$$

$$\begin{array}{r}
 73 \\
 61 \mid 4481 \\
 \underline{427} \\
 --- \\
 211 \\
 \underline{183} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

P₆₀₉ 4483

$$4483 \div 2 = 2241 \text{ remainder } 1$$

$$\begin{array}{r} 2241 \\ 2 \overline{) 4483} \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4483 \div 3 = 1494 \text{ remainder } 1$$

$$\begin{array}{r} 1494 \\ 3 \overline{) 4483} \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4483 \div 5 = 896 \text{ remainder } 3$$

$$\begin{array}{r} 896 \\ 5 \overline{) 4483} \\ \underline{40} \\ -- \end{array}$$

48
 45
 --
 33
 30
 --
 3 ← remainder

$$4483 \div 7 = 640 \text{ remainder } 3$$

640
 7 | 4483
 42
 --
 28
 28
 --
 3
 0
 -
 3 ← remainder

$$4483 \div 11 = 407 \text{ remainder } 6$$

407
 11 | 4483
 44
 --
 8
 0
 -
 83
 77
 --
 6 ← remainder

$$4483 \div 13 = 344 \text{ remainder } 11$$

344
 13 | 4483
 39
 --
 58
 52

```

--
63
52
--
11 ← remainder

```

$$4483 \div 17 = 263 \text{ remainder } 12$$

```

      263
17 | 4483
    34
    --
    108
    102
    ---
     63
     51
     --
     12 ← remainder

```

$$4483 \div 19 = 235 \text{ remainder } 18$$

```

      235
19 | 4483
    38
    --
    68
    57
    --
    113
    95
    --
    18 ← remainder

```

$$4483 \div 23 = 194 \text{ remainder } 21$$

```

      194
23 | 4483
    23
    --
    218
    207
    ---
    113

```

92

--

21 ← remainder

$$4483 \div 29 = 154 \text{ remainder } 17$$

154
29 | 4483
29

--

158

145

133

116

17 ← remainder

$$4483 \div 31 = 144 \text{ remainder } 19$$

144
31 | 4483
31

--

138

124

143

124

19 ← remainder

$$4483 \div 37 = 121 \text{ remainder } 6$$

121
37 | 4483
37

--

78

74

--

43

37

--
6 ← remainder

$$4483 \div 41 = 109 \text{ remainder } 14$$

109
41 | 4483
41
--
38
0
-
383
369

14 ← remainder

$$4483 \div 43 = 104 \text{ remainder } 11$$

104
43 | 4483
43
--
18
0
-
183
172

11 ← remainder

$$4483 \div 47 = 95 \text{ remainder } 18$$

95
47 | 4483
423

253
235

18 ← remainder

$$4483 \div 53 = 84 \text{ remainder } 31$$

$$\begin{array}{r}
 84 \\
 53 \mid 4483 \\
 \underline{424} \\
 --- \\
 243 \\
 \underline{212} \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$4483 \div 59 = 75 \text{ remainder } 58$$

$$\begin{array}{r}
 75 \\
 59 \mid 4483 \\
 \underline{413} \\
 --- \\
 353 \\
 \underline{295} \\
 --- \\
 58 \leftarrow \text{remainder}
 \end{array}$$

$$4483 \div 61 = 73 \text{ remainder } 30$$

$$\begin{array}{r}
 73 \\
 61 \mid 4483 \\
 \underline{427} \\
 --- \\
 213 \\
 \underline{183} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₀ 4493

$$4493 \div 2 = 2246 \text{ remainder } 1$$

$$\begin{array}{r} 2246 \\ 2 \mid 4493 \\ 4 \\ - \\ 4 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4493 \div 3 = 1497 \text{ remainder } 2$$

$$\begin{array}{r} 1497 \\ 3 \mid 4493 \\ 3 \\ - \\ 14 \\ 12 \\ - - \\ 29 \\ 27 \\ - - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4493 \div 5 = 898 \text{ remainder } 3$$

$$\begin{array}{r} 898 \\ 5 \mid 4493 \\ 40 \\ - - \end{array}$$

49
 45
 --
 43
 40
 --
 3 ← remainder

$$4493 \div 7 = 641 \text{ remainder } 6$$

641
 7 | 4493
 42
 --
 29
 28
 --
 13
 7
 -
 6 ← remainder

$$4493 \div 11 = 408 \text{ remainder } 5$$

408
 11 | 4493
 44
 --
 9
 0
 -
 93
 88
 --
 5 ← remainder

$$4493 \div 13 = 345 \text{ remainder } 8$$

345
 13 | 4493
 39
 --
 59
 52

```

--
73
65
--
8 ← remainder

```

$$4493 \div 17 = 264 \text{ remainder } 5$$

```

      264
17 | 4493
    34
    --
    109
    102
    ---
     73
     68
     --
     5 ← remainder

```

$$4493 \div 19 = 236 \text{ remainder } 9$$

```

      236
19 | 4493
    38
    --
    69
    57
    --
    123
    114
    ---
     9 ← remainder

```

$$4493 \div 23 = 195 \text{ remainder } 8$$

```

      195
23 | 4493
    23
    --
    219
    207
    ---
    123

```

115

8 ← remainder

$$4493 \div 29 = 154 \text{ remainder } 27$$

154

29 | 4493

29

--

159

145

143

116

27 ← remainder

$$4493 \div 31 = 144 \text{ remainder } 29$$

144

31 | 4493

31

--

139

124

153

124

29 ← remainder

$$4493 \div 37 = 121 \text{ remainder } 16$$

121

37 | 4493

37

--

79

74

--

53

37

--
16 ← remainder

$$4493 \div 41 = 109 \text{ remainder } 24$$

109
41 | 4493
41
--
39
0
-
393
369

24 ← remainder

$$4493 \div 43 = 104 \text{ remainder } 21$$

104
43 | 4493
43
--
19
0
-
193
172

21 ← remainder

$$4493 \div 47 = 95 \text{ remainder } 28$$

95
47 | 4493
423

263
235

28 ← remainder

$$4493 \div 53 = 84 \text{ remainder } 41$$

$$\begin{array}{r}
 84 \\
 53 \mid 4493 \\
 \underline{424} \\
 --- \\
 253 \\
 \underline{212} \\
 --- \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$4493 \div 59 = 76 \text{ remainder } 9$$

$$\begin{array}{r}
 76 \\
 59 \mid 4493 \\
 \underline{413} \\
 --- \\
 363 \\
 \underline{354} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$4493 \div 61 = 73 \text{ remainder } 40$$

$$\begin{array}{r}
 73 \\
 61 \mid 4493 \\
 \underline{427} \\
 --- \\
 223 \\
 \underline{183} \\
 --- \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$4493 \div 67 = 67 \text{ remainder } 4$$

$$\begin{array}{r}
 67 \\
 67 \mid 4493 \\
 \underline{402} \\
 --- \\
 473 \\
 \underline{469} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₁ 4507

$$4507 \div 2 = 2253 \text{ remainder } 1$$

$$\begin{array}{r} 2253 \\ 2 \mid 4507 \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 10 \\ \underline{10} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4507 \div 3 = 1502 \text{ remainder } 1$$

$$\begin{array}{r} 1502 \\ 3 \mid 4507 \\ \underline{3} \\ - \\ 15 \\ \underline{15} \\ - - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4507 \div 5 = 901 \text{ remainder } 2$$

$$\begin{array}{r} 901 \\ 5 \mid 4507 \\ \underline{45} \\ - - \end{array}$$

```

0
0
-
7
5
-
2 ← remainder

```

$$4507 \div 7 = 643 \text{ remainder } 6$$

```

643
7 | 4507
42
--
30
28
--
27
21
--
6 ← remainder

```

$$4507 \div 11 = 409 \text{ remainder } 8$$

```

409
11 | 4507
44
--
10
0
-
107
99
--
8 ← remainder

```

$$4507 \div 13 = 346 \text{ remainder } 9$$

```

346
13 | 4507
39
--
60
52

```



```

--
87
78
--
9 ← remainder

```

$$4507 \div 17 = 265 \text{ remainder } 2$$

```

265
17 | 4507
   34
   --
   110
   102
   ---
    87
    85
    --
    2 ← remainder

```

$$4507 \div 19 = 237 \text{ remainder } 4$$

```

237
19 | 4507
   38
   --
   70
   57
   --
   137
   133
   ---
    4 ← remainder

```

$$4507 \div 23 = 195 \text{ remainder } 22$$

```

195
23 | 4507
   23
   --
   220
   207
   ---
   137

```

115

 22 ← remainder

$$4507 \div 29 = 155 \text{ remainder } 12$$

155
 29 | 4507
 29
 --
 160
 145

 157
 145

 12 ← remainder

$$4507 \div 31 = 145 \text{ remainder } 12$$

145
 31 | 4507
 31
 --
 140
 124

 167
 155

 12 ← remainder

$$4507 \div 37 = 121 \text{ remainder } 30$$

121
 37 | 4507
 37
 --
 80
 74
 --
 67
 37

--
30 ← remainder

$$4507 \div 41 = 109 \text{ remainder } 38$$

109
41 | 4507
41
--
40
0
-
407
369

38 ← remainder

$$4507 \div 43 = 104 \text{ remainder } 35$$

104
43 | 4507
43
--
20
0
-
207
172

35 ← remainder

$$4507 \div 47 = 95 \text{ remainder } 42$$

95
47 | 4507
423

277
235

42 ← remainder

$$4507 \div 53 = 85 \text{ remainder } 2$$

$$\begin{array}{r}
 85 \\
 53 \mid 4507 \\
 \underline{424} \\
 --- \\
 267 \\
 \underline{265} \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$4507 \div 59 = 76 \text{ remainder } 23$$

$$\begin{array}{r}
 76 \\
 59 \mid 4507 \\
 \underline{413} \\
 --- \\
 377 \\
 \underline{354} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$4507 \div 61 = 73 \text{ remainder } 54$$

$$\begin{array}{r}
 73 \\
 61 \mid 4507 \\
 \underline{427} \\
 --- \\
 237 \\
 \underline{183} \\
 --- \\
 54 \leftarrow \text{remainder}
 \end{array}$$

$$4507 \div 67 = 67 \text{ remainder } 18$$

$$\begin{array}{r}
 67 \\
 67 \mid 4507 \\
 \underline{402} \\
 --- \\
 487 \\
 \underline{469} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₂ 4513

$$4513 \div 2 = 2256 \text{ remainder } 1$$

$$\begin{array}{r} 2256 \\ 2 \mid 4513 \\ 4 \\ - \\ 5 \\ 4 \\ - \\ 11 \\ 10 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4513 \div 3 = 1504 \text{ remainder } 1$$

$$\begin{array}{r} 1504 \\ 3 \mid 4513 \\ 3 \\ - \\ 15 \\ 15 \\ - - \\ 1 \\ 0 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4513 \div 5 = 902 \text{ remainder } 3$$

$$\begin{array}{r} 902 \\ 5 \mid 4513 \\ 45 \\ - - \end{array}$$

```

1
0
-
13
10
--
3 ← remainder

```

$$4513 \div 7 = 644 \text{ remainder } 5$$

```

    644
7 | 4513
   42
   --
    31
    28
    --
    33
    28
    --
    5 ← remainder

```

$$4513 \div 11 = 410 \text{ remainder } 3$$

```

    410
11 | 4513
   44
   --
    11
    11
    --
     3
     0
     -
     3 ← remainder

```

$$4513 \div 13 = 347 \text{ remainder } 2$$

```

    347
13 | 4513
   39
   --
    61
    52

```

```

--
93
91
--
2 ← remainder

```

$$4513 \div 17 = 265 \text{ remainder } 8$$

```

      265
17 | 4513
    34
    --
    111
    102
    ---
     93
     85
     --
     8 ← remainder

```

$$4513 \div 19 = 237 \text{ remainder } 10$$

```

      237
19 | 4513
    38
    --
    71
    57
    --
    143
    133
    ---
    10 ← remainder

```

$$4513 \div 23 = 196 \text{ remainder } 5$$

```

      196
23 | 4513
    23
    --
    221
    207
    ---
    143

```

138

5 ← remainder

$$4513 \div 29 = 155 \text{ remainder } 18$$

155

29 | 4513

29

--

161

145

163

145

18 ← remainder

$$4513 \div 31 = 145 \text{ remainder } 18$$

145

31 | 4513

31

--

141

124

173

155

18 ← remainder

$$4513 \div 37 = 121 \text{ remainder } 36$$

121

37 | 4513

37

--

81

74

--

73

37

--
36 ← remainder

$$4513 \div 41 = 110 \text{ remainder } 3$$

110
41 | 4513
41
--
41
41
--
3
0
-
3 ← remainder

$$4513 \div 43 = 104 \text{ remainder } 41$$

104
43 | 4513
43
--
21
0
-
213
172

41 ← remainder

$$4513 \div 47 = 96 \text{ remainder } 1$$

96
47 | 4513
423

283
282

1 ← remainder

$$4513 \div 53 = 85 \text{ remainder } 8$$

$$\begin{array}{r}
 85 \\
 53 \mid 4513 \\
 \underline{424} \\
 --- \\
 273 \\
 \underline{265} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$4513 \div 59 = 76 \text{ remainder } 29$$

$$\begin{array}{r}
 76 \\
 59 \mid 4513 \\
 \underline{413} \\
 --- \\
 383 \\
 \underline{354} \\
 --- \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$4513 \div 61 = 73 \text{ remainder } 60$$

$$\begin{array}{r}
 73 \\
 61 \mid 4513 \\
 \underline{427} \\
 --- \\
 243 \\
 \underline{183} \\
 --- \\
 60 \leftarrow \text{remainder}
 \end{array}$$

$$4513 \div 67 = 67 \text{ remainder } 24$$

$$\begin{array}{r}
 67 \\
 67 \mid 4513 \\
 \underline{402} \\
 --- \\
 493 \\
 \underline{469} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₃ 4517

$$4517 \div 2 = 2258 \text{ remainder } 1$$

$$\begin{array}{r} 2258 \\ 2 \mid 4517 \\ 4 \\ - \\ 5 \\ 4 \\ - \\ 11 \\ 10 \\ - \\ 17 \\ 16 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4517 \div 3 = 1505 \text{ remainder } 2$$

$$\begin{array}{r} 1505 \\ 3 \mid 4517 \\ 3 \\ - \\ 15 \\ 15 \\ - \\ 1 \\ 0 \\ - \\ 17 \\ 15 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4517 \div 5 = 903 \text{ remainder } 2$$

$$\begin{array}{r} 903 \\ 5 \mid 4517 \\ 45 \\ - \\ \end{array}$$

```

1
0
-
17
15
--
2 ← remainder

```

$$4517 \div 7 = 645 \text{ remainder } 2$$

```

    645
7 | 4517
   42
   --
   31
   28
   --
   37
   35
   --
   2 ← remainder

```

$$4517 \div 11 = 410 \text{ remainder } 7$$

```

    410
11 | 4517
   44
   --
   11
   11
   --
    7
    0
    -
    7 ← remainder

```

$$4517 \div 13 = 347 \text{ remainder } 6$$

```

    347
13 | 4517
   39
   --
   61
   52

```

```

--
97
91
--
6 ← remainder

```

$$4517 \div 17 = 265 \text{ remainder } 12$$

```

      265
17 | 4517
    34
    --
    111
    102
    ---
     97
     85
     --
    12 ← remainder

```

$$4517 \div 19 = 237 \text{ remainder } 14$$

```

      237
19 | 4517
    38
    --
    71
    57
    --
    147
    133
    ---
    14 ← remainder

```

$$4517 \div 23 = 196 \text{ remainder } 9$$

```

      196
23 | 4517
    23
    --
    221
    207
    ---
    147

```

138

9 ← remainder

$$4517 \div 29 = 155 \text{ remainder } 22$$

155
29 | 4517
29

--

161

145

167

145

22 ← remainder

$$4517 \div 31 = 145 \text{ remainder } 22$$

145
31 | 4517
31

--

141

124

177

155

22 ← remainder

$$4517 \div 37 = 122 \text{ remainder } 3$$

122
37 | 4517
37

--

81

74

--

77

74

--
3 ← remainder

$$4517 \div 41 = 110 \text{ remainder } 7$$

110
41 | 4517
41
--
41
41
--
7
0
-
7 ← remainder

$$4517 \div 43 = 105 \text{ remainder } 2$$

105
43 | 4517
43
--
21
0
-
217
215
--
2 ← remainder

$$4517 \div 47 = 96 \text{ remainder } 5$$

96
47 | 4517
423
--
287
282
--
5 ← remainder

$$4517 \div 53 = 85 \text{ remainder } 12$$

$$\begin{array}{r}
 85 \\
 53 \mid 4517 \\
 \underline{424} \\
 --- \\
 277 \\
 \underline{265} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$4517 \div 59 = 76 \text{ remainder } 33$$

$$\begin{array}{r}
 76 \\
 59 \mid 4517 \\
 \underline{413} \\
 --- \\
 387 \\
 \underline{354} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$4517 \div 61 = 74 \text{ remainder } 3$$

$$\begin{array}{r}
 74 \\
 61 \mid 4517 \\
 \underline{427} \\
 --- \\
 247 \\
 \underline{244} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$4517 \div 67 = 67 \text{ remainder } 28$$

$$\begin{array}{r}
 67 \\
 67 \mid 4517 \\
 \underline{402} \\
 --- \\
 497 \\
 \underline{469} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₄ 4519

$$4519 \div 2 = 2259 \text{ remainder } 1$$

$$\begin{array}{r} 2259 \\ 2 \mid 4519 \\ 4 \\ - \\ 5 \\ 4 \\ - \\ 11 \\ 10 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4519 \div 3 = 1506 \text{ remainder } 1$$

$$\begin{array}{r} 1506 \\ 3 \mid 4519 \\ 3 \\ - \\ 15 \\ 15 \\ - - \\ 1 \\ 0 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4519 \div 5 = 903 \text{ remainder } 4$$

$$\begin{array}{r} 903 \\ 5 \mid 4519 \\ 45 \\ - - \end{array}$$

```

1
0
-
19
15
--
4 ← remainder

```

$$4519 \div 7 = 645 \text{ remainder } 4$$

```

    645
7 | 4519
   42
   --
    31
    28
    --
    39
    35
    --
    4 ← remainder

```

$$4519 \div 11 = 410 \text{ remainder } 9$$

```

    410
11 | 4519
    44
    --
    11
    11
    --
     9
     0
     -
     9 ← remainder

```

$$4519 \div 13 = 347 \text{ remainder } 8$$

```

    347
13 | 4519
    39
    --
    61
    52

```

```

--
99
91
--
8 ← remainder

```

$$4519 \div 17 = 265 \text{ remainder } 14$$

```

      265
17 | 4519
    34
    --
    111
    102
    ---
     99
     85
     --
    14 ← remainder

```

$$4519 \div 19 = 237 \text{ remainder } 16$$

```

      237
19 | 4519
    38
    --
    71
    57
    --
    149
    133
    ---
    16 ← remainder

```

$$4519 \div 23 = 196 \text{ remainder } 11$$

```

      196
23 | 4519
    23
    --
    221
    207
    ---
    149

```

138

11 \leftarrow remainder

$$4519 \div 29 = 155 \text{ remainder } 24$$

155

29 | 4519

29

--

161

145

169

145

24 \leftarrow remainder

$$4519 \div 31 = 145 \text{ remainder } 24$$

145

31 | 4519

31

--

141

124

179

155

24 \leftarrow remainder

$$4519 \div 37 = 122 \text{ remainder } 5$$

122

37 | 4519

37

--

81

74

--

79

74

--
5 ← remainder

$$4519 \div 41 = 110 \text{ remainder } 9$$

110
41 | 4519
41
--
41
41
--
9
0
-
9 ← remainder

$$4519 \div 43 = 105 \text{ remainder } 4$$

105
43 | 4519
43
--
21
0
-
219
215

4 ← remainder

$$4519 \div 47 = 96 \text{ remainder } 7$$

96
47 | 4519
423

289
282

7 ← remainder

$$4519 \div 53 = 85 \text{ remainder } 14$$

$$\begin{array}{r}
 85 \\
 53 \mid 4519 \\
 \underline{424} \\
 --- \\
 279 \\
 \underline{265} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$4519 \div 59 = 76 \text{ remainder } 35$$

$$\begin{array}{r}
 76 \\
 59 \mid 4519 \\
 \underline{413} \\
 --- \\
 389 \\
 \underline{354} \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$4519 \div 61 = 74 \text{ remainder } 5$$

$$\begin{array}{r}
 74 \\
 61 \mid 4519 \\
 \underline{427} \\
 --- \\
 249 \\
 \underline{244} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$4519 \div 67 = 67 \text{ remainder } 30$$

$$\begin{array}{r}
 67 \\
 67 \mid 4519 \\
 \underline{402} \\
 --- \\
 499 \\
 \underline{469} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₅ 4523

$$4523 \div 2 = 2261 \text{ remainder } 1$$

$$\begin{array}{r} 2261 \\ 2 \mid 4523 \\ 4 \\ - \\ 5 \\ 4 \\ - \\ 12 \\ 12 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4523 \div 3 = 1507 \text{ remainder } 2$$

$$\begin{array}{r} 1507 \\ 3 \mid 4523 \\ 3 \\ - \\ 15 \\ 15 \\ - - \\ 2 \\ 0 \\ - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4523 \div 5 = 904 \text{ remainder } 3$$

$$\begin{array}{r} 904 \\ 5 \mid 4523 \\ 45 \\ - - \end{array}$$

```

2
0
-
23
20
--
3 ← remainder

```

$$4523 \div 7 = 646 \text{ remainder } 1$$

```

    646
7 | 4523
   42
   --
   32
   28
   --
   43
   42
   --
   1 ← remainder

```

$$4523 \div 11 = 411 \text{ remainder } 2$$

```

    411
11 | 4523
   44
   --
   12
   11
   --
   13
   11
   --
   2 ← remainder

```

$$4523 \div 13 = 347 \text{ remainder } 12$$

```

    347
13 | 4523
   39
   --
   62
   52

```



```

--
103
91
--
12 ← remainder

```

$$4523 \div 17 = 266 \text{ remainder } 1$$

```

      266
17 | 4523
    34
    --
    112
    102
    ---
    103
    102
    ---
    1 ← remainder

```

$$4523 \div 19 = 238 \text{ remainder } 1$$

```

      238
19 | 4523
    38
    --
    72
    57
    --
    153
    152
    ---
    1 ← remainder

```

$$4523 \div 23 = 196 \text{ remainder } 15$$

```

      196
23 | 4523
    23
    --
    222
    207
    ---
    153

```

138

15 ← remainder

$$4523 \div 29 = 155 \text{ remainder } 28$$

155

29 | 4523

29

--

162

145

173

145

28 ← remainder

$$4523 \div 31 = 145 \text{ remainder } 28$$

145

31 | 4523

31

--

142

124

183

155

28 ← remainder

$$4523 \div 37 = 122 \text{ remainder } 9$$

122

37 | 4523

37

--

82

74

--

83

74

--
9 ← remainder

$$4523 \div 41 = 110 \text{ remainder } 13$$

110
41 | 4523
41
--
42
41
--
13
0
-
13 ← remainder

$$4523 \div 43 = 105 \text{ remainder } 8$$

105
43 | 4523
43
--
22
0
-
223
215
--
8 ← remainder

$$4523 \div 47 = 96 \text{ remainder } 11$$

96
47 | 4523
423
--
293
282
--
11 ← remainder

$$4523 \div 53 = 85 \text{ remainder } 18$$

$$\begin{array}{r}
 85 \\
 53 \mid 4523 \\
 \underline{424} \\
 --- \\
 283 \\
 \underline{265} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$4523 \div 59 = 76 \text{ remainder } 39$$

$$\begin{array}{r}
 76 \\
 59 \mid 4523 \\
 \underline{413} \\
 --- \\
 393 \\
 \underline{354} \\
 --- \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$4523 \div 61 = 74 \text{ remainder } 9$$

$$\begin{array}{r}
 74 \\
 61 \mid 4523 \\
 \underline{427} \\
 --- \\
 253 \\
 \underline{244} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$4523 \div 67 = 67 \text{ remainder } 34$$

$$\begin{array}{r}
 67 \\
 67 \mid 4523 \\
 \underline{402} \\
 --- \\
 503 \\
 \underline{469} \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₆ 4547

$$4547 \div 2 = 2273 \text{ remainder } 1$$

$$\begin{array}{r} 2273 \\ 2 \mid 4547 \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4547 \div 3 = 1515 \text{ remainder } 2$$

$$\begin{array}{r} 1515 \\ 3 \mid 4547 \\ \underline{3} \\ - \\ 15 \\ \underline{15} \\ - - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4547 \div 5 = 909 \text{ remainder } 2$$

$$\begin{array}{r} 909 \\ 5 \mid 4547 \\ \underline{45} \\ - - \end{array}$$

```

4
0
-
47
45
--
2 ← remainder

```

$$4547 \div 7 = 649 \text{ remainder } 4$$

```

    649
7 | 4547
   42
   --
   34
   28
   --
   67
   63
   --
   4 ← remainder

```

$$4547 \div 11 = 413 \text{ remainder } 4$$

```

    413
11 | 4547
   44
   --
   14
   11
   --
   37
   33
   --
   4 ← remainder

```

$$4547 \div 13 = 349 \text{ remainder } 10$$

```

    349
13 | 4547
   39
   --
   64
   52

```

```

--
127
117
---
10 ← remainder

```

$$4547 \div 17 = 267 \text{ remainder } 8$$

```

267
17 | 4547
   34
   --
   114
   102
   ---
   127
   119
   ---
   8 ← remainder

```

$$4547 \div 19 = 239 \text{ remainder } 6$$

```

239
19 | 4547
   38
   --
   74
   57
   --
   177
   171
   ---
   6 ← remainder

```

$$4547 \div 23 = 197 \text{ remainder } 16$$

```

197
23 | 4547
   23
   --
   224
   207
   ---
   177

```

161

16 ← remainder

$$4547 \div 29 = 156 \text{ remainder } 23$$

156

29 | 4547

29

--

164

145

197

174

23 ← remainder

$$4547 \div 31 = 146 \text{ remainder } 21$$

146

31 | 4547

31

--

144

124

207

186

21 ← remainder

$$4547 \div 37 = 122 \text{ remainder } 33$$

122

37 | 4547

37

--

84

74

--

107

74

--
33 ← remainder

$$4547 \div 41 = 110 \text{ remainder } 37$$

110
41 | 4547
41
--
44
41
--
37
0
-
37 ← remainder

$$4547 \div 43 = 105 \text{ remainder } 32$$

105
43 | 4547
43
--
24
0
-
247
215

32 ← remainder

$$4547 \div 47 = 96 \text{ remainder } 35$$

96
47 | 4547
423

317
282

35 ← remainder

$$4547 \div 53 = 85 \text{ remainder } 42$$

$$\begin{array}{r}
 85 \\
 53 \mid 4547 \\
 \underline{424} \\
 --- \\
 307 \\
 \underline{265} \\
 --- \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$4547 \div 59 = 77 \text{ remainder } 4$$

$$\begin{array}{r}
 77 \\
 59 \mid 4547 \\
 \underline{413} \\
 --- \\
 417 \\
 \underline{413} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$4547 \div 61 = 74 \text{ remainder } 33$$

$$\begin{array}{r}
 74 \\
 61 \mid 4547 \\
 \underline{427} \\
 --- \\
 277 \\
 \underline{244} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$4547 \div 67 = 67 \text{ remainder } 58$$

$$\begin{array}{r}
 67 \\
 67 \mid 4547 \\
 \underline{402} \\
 --- \\
 527 \\
 \underline{469} \\
 --- \\
 58 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₇ 4549

$$4549 \div 2 = 2274 \text{ remainder } 1$$

$$\begin{array}{r} 2274 \\ 2 \mid 4549 \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4549 \div 3 = 1516 \text{ remainder } 1$$

$$\begin{array}{r} 1516 \\ 3 \mid 4549 \\ \underline{3} \\ - \\ 15 \\ \underline{15} \\ - - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4549 \div 5 = 909 \text{ remainder } 4$$

$$\begin{array}{r} 909 \\ 5 \mid 4549 \\ \underline{45} \\ - - \end{array}$$

```

4
0
-
49
45
--
4 ← remainder

```

$$4549 \div 7 = 649 \text{ remainder } 6$$

```

    649
7 | 4549
   42
   --
    34
    28
    --
    69
    63
    --
    6 ← remainder

```

$$4549 \div 11 = 413 \text{ remainder } 6$$

```

    413
11 | 4549
   44
   --
    14
    11
    --
    39
    33
    --
    6 ← remainder

```

$$4549 \div 13 = 349 \text{ remainder } 12$$

```

    349
13 | 4549
   39
   --
    64
    52

```

```

--
129
117
---
12 ← remainder

```

$$4549 \div 17 = 267 \text{ remainder } 10$$

```

267
17 | 4549
   34
   --
   114
   102
   ---
   129
   119
   ---
   10 ← remainder

```

$$4549 \div 19 = 239 \text{ remainder } 8$$

```

239
19 | 4549
   38
   --
   74
   57
   --
   179
   171
   ---
   8 ← remainder

```

$$4549 \div 23 = 197 \text{ remainder } 18$$

```

197
23 | 4549
   23
   --
   224
   207
   ---
   179

```

161

18 ← remainder

$$4549 \div 29 = 156 \text{ remainder } 25$$

156

29 | 4549

29

--

164

145

199

174

25 ← remainder

$$4549 \div 31 = 146 \text{ remainder } 23$$

146

31 | 4549

31

--

144

124

209

186

23 ← remainder

$$4549 \div 37 = 122 \text{ remainder } 35$$

122

37 | 4549

37

--

84

74

--

109

74

--
35 ← remainder

$$4549 \div 41 = 110 \text{ remainder } 39$$

110
41 | 4549
41
--
44
41
--
39
0
-
39 ← remainder

$$4549 \div 43 = 105 \text{ remainder } 34$$

105
43 | 4549
43
--
24
0
-
249
215

34 ← remainder

$$4549 \div 47 = 96 \text{ remainder } 37$$

96
47 | 4549
423

319
282

37 ← remainder

$$4549 \div 53 = 85 \text{ remainder } 44$$

$$\begin{array}{r}
 85 \\
 53 \mid 4549 \\
 \underline{424} \\
 --- \\
 309 \\
 \underline{265} \\
 --- \\
 44 \leftarrow \text{remainder}
 \end{array}$$

$$4549 \div 59 = 77 \text{ remainder } 6$$

$$\begin{array}{r}
 77 \\
 59 \mid 4549 \\
 \underline{413} \\
 --- \\
 419 \\
 \underline{413} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$4549 \div 61 = 74 \text{ remainder } 35$$

$$\begin{array}{r}
 74 \\
 61 \mid 4549 \\
 \underline{427} \\
 --- \\
 279 \\
 \underline{244} \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$4549 \div 67 = 67 \text{ remainder } 60$$

$$\begin{array}{r}
 67 \\
 67 \mid 4549 \\
 \underline{402} \\
 --- \\
 529 \\
 \underline{469} \\
 --- \\
 60 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₈ 4561

$$4561 \div 2 = 2280 \text{ remainder } 1$$

$$\begin{array}{r} 2280 \\ 2 \mid 4561 \\ 4 \\ - \\ 5 \\ 4 \\ - \\ 16 \\ 16 \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4561 \div 3 = 1520 \text{ remainder } 1$$

$$\begin{array}{r} 1520 \\ 3 \mid 4561 \\ 3 \\ - \\ 15 \\ 15 \\ - - \\ 6 \\ 6 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4561 \div 5 = 912 \text{ remainder } 1$$

$$\begin{array}{r} 912 \\ 5 \mid 4561 \\ 45 \\ - - \end{array}$$

```

6
5
-
11
10
--
1 ← remainder

```

$$4561 \div 7 = 651 \text{ remainder } 4$$

```

    651
7 | 4561
   42
   --
    36
    35
    --
    11
    7
    -
    4 ← remainder

```

$$4561 \div 11 = 414 \text{ remainder } 7$$

```

    414
11 | 4561
   44
   --
    16
    11
    --
    51
    44
    --
    7 ← remainder

```

$$4561 \div 13 = 350 \text{ remainder } 11$$

```

    350
13 | 4561
   39
   --
    66
    65

```

```

--
11
0
-
11 ← remainder

```

$$4561 \div 17 = 268 \text{ remainder } 5$$

```

      268
17 | 4561
    34
    --
    116
    102
    ---
    141
    136
    ---
    5 ← remainder

```

$$4561 \div 19 = 240 \text{ remainder } 1$$

```

      240
19 | 4561
    38
    --
    76
    76
    --
    1
    0
    -
    1 ← remainder

```

$$4561 \div 23 = 198 \text{ remainder } 7$$

```

      198
23 | 4561
    23
    --
    226
    207
    ---
    191

```

184

 7 ← remainder

$$4561 \div 29 = 157 \text{ remainder } 8$$

157
 29 | 4561
 29
 --
 166
 145

 211
 203

 8 ← remainder

$$4561 \div 31 = 147 \text{ remainder } 4$$

147
 31 | 4561
 31
 --
 146
 124

 221
 217

 4 ← remainder

$$4561 \div 37 = 123 \text{ remainder } 10$$

123
 37 | 4561
 37
 --
 86
 74
 --
 121
 111

10 ← remainder

$$4561 \div 41 = 111 \text{ remainder } 10$$

```
      111
41 | 4561
    41
    --
    46
    41
    --
    51
    41
    --
    10 ← remainder
```

$$4561 \div 43 = 106 \text{ remainder } 3$$

```
      106
43 | 4561
    43
    --
    26
    0
    -
    261
    258
    ---
    3 ← remainder
```

$$4561 \div 47 = 97 \text{ remainder } 2$$

```
      97
47 | 4561
    423
    ---
    331
    329
    ---
    2 ← remainder
```

$$4561 \div 53 = 86 \text{ remainder } 3$$

$$\begin{array}{r}
 86 \\
 53 \mid 4561 \\
 \underline{424} \\
 --- \\
 321 \\
 \underline{318} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$4561 \div 59 = 77 \text{ remainder } 18$$

$$\begin{array}{r}
 77 \\
 59 \mid 4561 \\
 \underline{413} \\
 --- \\
 431 \\
 \underline{413} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$4561 \div 61 = 74 \text{ remainder } 47$$

$$\begin{array}{r}
 74 \\
 61 \mid 4561 \\
 \underline{427} \\
 --- \\
 291 \\
 \underline{244} \\
 --- \\
 47 \leftarrow \text{remainder}
 \end{array}$$

$$4561 \div 67 = 68 \text{ remainder } 5$$

$$\begin{array}{r}
 68 \\
 67 \mid 4561 \\
 \underline{402} \\
 --- \\
 541 \\
 \underline{536} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

P₆₁₉ 4567

$$4567 \div 2 = 2283 \text{ remainder } 1$$

$$\begin{array}{r} 2283 \\ 2 \mid 4567 \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4567 \div 3 = 1522 \text{ remainder } 1$$

$$\begin{array}{r} 1522 \\ 3 \mid 4567 \\ \underline{3} \\ - \\ 15 \\ \underline{15} \\ -- \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4567 \div 5 = 913 \text{ remainder } 2$$

$$\begin{array}{r} 913 \\ 5 \mid 4567 \\ \underline{45} \\ -- \end{array}$$

```

6
5
-
17
15
--
2 ← remainder

```

$$4567 \div 7 = 652 \text{ remainder } 3$$

```

    652
7 | 4567
   42
   --
    36
    35
    --
    17
    14
    --
    3 ← remainder

```

$$4567 \div 11 = 415 \text{ remainder } 2$$

```

    415
11 | 4567
    44
    --
    16
    11
    --
    57
    55
    --
    2 ← remainder

```

$$4567 \div 13 = 351 \text{ remainder } 4$$

```

    351
13 | 4567
    39
    --
    66
    65

```



```

--
17
13
--
4 ← remainder

```

$$4567 \div 17 = 268 \text{ remainder } 11$$

```

      268
17 | 4567
    34
    --
    116
    102
    ---
    147
    136
    ---
    11 ← remainder

```

$$4567 \div 19 = 240 \text{ remainder } 7$$

```

      240
19 | 4567
    38
    --
    76
    76
    --
    7
    0
    -
    7 ← remainder

```

$$4567 \div 23 = 198 \text{ remainder } 13$$

```

      198
23 | 4567
    23
    --
    226
    207
    ---
    197

```

184

13 ← remainder

$4567 \div 29 = 157 \text{ remainder } 14$

157

29 | 4567

29

--

166

145

217

203

14 ← remainder

$4567 \div 31 = 147 \text{ remainder } 10$

147

31 | 4567

31

--

146

124

227

217

10 ← remainder

$4567 \div 37 = 123 \text{ remainder } 16$

123

37 | 4567

37

--

86

74

--

127

111

16 ← remainder

$$4567 \div 41 = 111 \text{ remainder } 16$$

111
41 | 4567
41

--

46

41

--

57

41

--

16 ← remainder

$$4567 \div 43 = 106 \text{ remainder } 9$$

106
43 | 4567
43

--

26

0

-

267

258

9 ← remainder

$$4567 \div 47 = 97 \text{ remainder } 8$$

97
47 | 4567
423

337

329

8 ← remainder

$$4567 \div 53 = 86 \text{ remainder } 9$$

$$\begin{array}{r}
 86 \\
 53 \mid 4567 \\
 \underline{424} \\
 --- \\
 327 \\
 \underline{318} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$4567 \div 59 = 77 \text{ remainder } 24$$

$$\begin{array}{r}
 77 \\
 59 \mid 4567 \\
 \underline{413} \\
 --- \\
 437 \\
 \underline{413} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$4567 \div 61 = 74 \text{ remainder } 53$$

$$\begin{array}{r}
 74 \\
 61 \mid 4567 \\
 \underline{427} \\
 --- \\
 297 \\
 \underline{244} \\
 --- \\
 53 \leftarrow \text{remainder}
 \end{array}$$

$$4567 \div 67 = 68 \text{ remainder } 11$$

$$\begin{array}{r}
 68 \\
 67 \mid 4567 \\
 \underline{402} \\
 --- \\
 547 \\
 \underline{536} \\
 --- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₀ 4583

$$4583 \div 2 = 2291 \text{ remainder } 1$$

$$\begin{array}{r} 2291 \\ 2 \mid 4583 \\ 4 \\ - \\ 5 \\ 4 \\ - \\ 18 \\ 18 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4583 \div 3 = 1527 \text{ remainder } 2$$

$$\begin{array}{r} 1527 \\ 3 \mid 4583 \\ 3 \\ - \\ 15 \\ 15 \\ - - \\ 8 \\ 6 \\ - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4583 \div 5 = 916 \text{ remainder } 3$$

$$\begin{array}{r} 916 \\ 5 \mid 4583 \\ 45 \\ - - \end{array}$$

```

8
5
-
33
30
--
3 ← remainder

```

$$4583 \div 7 = 654 \text{ remainder } 5$$

```

654
7 | 4583
42
--
38
35
--
33
28
--
5 ← remainder

```

$$4583 \div 11 = 416 \text{ remainder } 7$$

```

416
11 | 4583
44
--
18
11
--
73
66
--
7 ← remainder

```

$$4583 \div 13 = 352 \text{ remainder } 7$$

```

352
13 | 4583
39
--
68
65

```

```

--
33
26
--
7 ← remainder

```

$$4583 \div 17 = 269 \text{ remainder } 10$$

```

      269
17 | 4583
    34
    --
    118
    102
    ---
    163
    153
    ---
    10 ← remainder

```

$$4583 \div 19 = 241 \text{ remainder } 4$$

```

      241
19 | 4583
    38
    --
    78
    76
    --
    23
    19
    --
    4 ← remainder

```

$$4583 \div 23 = 199 \text{ remainder } 6$$

```

      199
23 | 4583
    23
    --
    228
    207
    ---
    213

```

207

6 ← remainder

$$4583 \div 29 = 158 \text{ remainder } 1$$

158

29 | 4583

29

--

168

145

233

232

1 ← remainder

$$4583 \div 31 = 147 \text{ remainder } 26$$

147

31 | 4583

31

--

148

124

243

217

26 ← remainder

$$4583 \div 37 = 123 \text{ remainder } 32$$

123

37 | 4583

37

--

88

74

--

143

111

32 ← remainder

$$4583 \div 41 = 111 \text{ remainder } 32$$

```
      111
41 | 4583
    41
    --
    48
    41
    --
    73
    41
    --
    32 ← remainder
```

$$4583 \div 43 = 106 \text{ remainder } 25$$

```
      106
43 | 4583
    43
    --
    28
    0
    -
    283
    258
    ---
    25 ← remainder
```

$$4583 \div 47 = 97 \text{ remainder } 24$$

```
      97
47 | 4583
    423
    ---
    353
    329
    ---
    24 ← remainder
```

$$4583 \div 53 = 86 \text{ remainder } 25$$

$$\begin{array}{r}
 86 \\
 53 \mid 4583 \\
 \underline{424} \\
 --- \\
 343 \\
 \underline{318} \\
 --- \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$4583 \div 59 = 77 \text{ remainder } 40$$

$$\begin{array}{r}
 77 \\
 59 \mid 4583 \\
 \underline{413} \\
 --- \\
 453 \\
 \underline{413} \\
 --- \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$4583 \div 61 = 75 \text{ remainder } 8$$

$$\begin{array}{r}
 75 \\
 61 \mid 4583 \\
 \underline{427} \\
 --- \\
 313 \\
 \underline{305} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$4583 \div 67 = 68 \text{ remainder } 27$$

$$\begin{array}{r}
 68 \\
 67 \mid 4583 \\
 \underline{402} \\
 --- \\
 563 \\
 \underline{536} \\
 --- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₁ 4591

$$4591 \div 2 = 2295 \text{ remainder } 1$$

$$\begin{array}{r} 2295 \\ 2 \mid 4591 \\ 4 \\ - \\ 5 \\ 4 \\ - \\ 19 \\ 18 \\ - \\ 11 \\ 10 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4591 \div 3 = 1530 \text{ remainder } 1$$

$$\begin{array}{r} 1530 \\ 3 \mid 4591 \\ 3 \\ - \\ 15 \\ 15 \\ - \\ 9 \\ 9 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4591 \div 5 = 918 \text{ remainder } 1$$

$$\begin{array}{r} 918 \\ 5 \mid 4591 \\ 45 \\ - \\ \end{array}$$

```

9
5
-
41
40
--
1 ← remainder

```

$$4591 \div 7 = 655 \text{ remainder } 6$$

```

655
7 | 4591
42
--
39
35
--
41
35
--
6 ← remainder

```

$$4591 \div 11 = 417 \text{ remainder } 4$$

```

417
11 | 4591
44
--
19
11
--
81
77
--
4 ← remainder

```

$$4591 \div 13 = 353 \text{ remainder } 2$$

```

353
13 | 4591
39
--
69
65

```

```

--
41
39
--
2 ← remainder

```

$$4591 \div 17 = 270 \text{ remainder } 1$$

```

      270
17 | 4591
    34
    --
    119
    119
    ---
     1
     0
     -
     1 ← remainder

```

$$4591 \div 19 = 241 \text{ remainder } 12$$

```

      241
19 | 4591
    38
    --
     79
     76
     --
     31
     19
     --
     12 ← remainder

```

$$4591 \div 23 = 199 \text{ remainder } 14$$

```

      199
23 | 4591
    23
    --
    229
    207
    ---
    221

```

207

14 ← remainder

$$4591 \div 29 = 158 \text{ remainder } 9$$

158

29 | 4591

29

--

169

145

241

232

9 ← remainder

$$4591 \div 31 = 148 \text{ remainder } 3$$

148

31 | 4591

31

--

149

124

251

248

3 ← remainder

$$4591 \div 37 = 124 \text{ remainder } 3$$

124

37 | 4591

37

--

89

74

--

151

148

3 ← remainder

$$4591 \div 41 = 111 \text{ remainder } 40$$

111
41 | 4591
41
--
49
41
--
81
41
--
40 ← remainder

$$4591 \div 43 = 106 \text{ remainder } 33$$

106
43 | 4591
43
--
29
0
-
291
258

33 ← remainder

$$4591 \div 47 = 97 \text{ remainder } 32$$

97
47 | 4591
423

361
329

32 ← remainder

$$4591 \div 53 = 86 \text{ remainder } 33$$

$$\begin{array}{r}
 86 \\
 53 \mid 4591 \\
 \underline{424} \\
 --- \\
 351 \\
 \underline{318} \\
 --- \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$4591 \div 59 = 77 \text{ remainder } 48$$

$$\begin{array}{r}
 77 \\
 59 \mid 4591 \\
 \underline{413} \\
 --- \\
 461 \\
 \underline{413} \\
 --- \\
 48 \leftarrow \text{remainder}
 \end{array}$$

$$4591 \div 61 = 75 \text{ remainder } 16$$

$$\begin{array}{r}
 75 \\
 61 \mid 4591 \\
 \underline{427} \\
 --- \\
 321 \\
 \underline{305} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$4591 \div 67 = 68 \text{ remainder } 35$$

$$\begin{array}{r}
 68 \\
 67 \mid 4591 \\
 \underline{402} \\
 --- \\
 571 \\
 \underline{536} \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₂ 4597

$$4597 \div 2 = 2298 \text{ remainder } 1$$

$$\begin{array}{r} 2298 \\ 2 \mid 4597 \\ 4 \\ - \\ 5 \\ 4 \\ - \\ 19 \\ 18 \\ - \\ 17 \\ 16 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4597 \div 3 = 1532 \text{ remainder } 1$$

$$\begin{array}{r} 1532 \\ 3 \mid 4597 \\ 3 \\ - \\ 15 \\ 15 \\ - \\ 9 \\ 9 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4597 \div 5 = 919 \text{ remainder } 2$$

$$\begin{array}{r} 919 \\ 5 \mid 4597 \\ 45 \\ - \\ \end{array}$$

```

9
5
-
47
45
--
2 ← remainder

```

$$4597 \div 7 = 656 \text{ remainder } 5$$

```

656
7 | 4597
42
--
39
35
--
47
42
--
5 ← remainder

```

$$4597 \div 11 = 417 \text{ remainder } 10$$

```

417
11 | 4597
44
--
19
11
--
87
77
--
10 ← remainder

```

$$4597 \div 13 = 353 \text{ remainder } 8$$

```

353
13 | 4597
39
--
69
65

```

```

--
47
39
--
8 ← remainder

```

$$4597 \div 17 = 270 \text{ remainder } 7$$

```

      270
17 | 4597
    34
    --
    119
    119
    ---
     7
     0
     -
     7 ← remainder

```

$$4597 \div 19 = 241 \text{ remainder } 18$$

```

      241
19 | 4597
    38
    --
    79
    76
    --
    37
    19
    --
    18 ← remainder

```

$$4597 \div 23 = 199 \text{ remainder } 20$$

```

      199
23 | 4597
    23
    --
    229
    207
    ---
    227

```

207

20 ← remainder

$$4597 \div 29 = 158 \text{ remainder } 15$$

158

29 | 4597

29

--

169

145

247

232

15 ← remainder

$$4597 \div 31 = 148 \text{ remainder } 9$$

148

31 | 4597

31

--

149

124

257

248

9 ← remainder

$$4597 \div 37 = 124 \text{ remainder } 9$$

124

37 | 4597

37

--

89

74

--

157

148

9 ← remainder

$$4597 \div 41 = 112 \text{ remainder } 5$$

112
41 | 4597
41
--
49
41
--
87
82
--
5 ← remainder

$$4597 \div 43 = 106 \text{ remainder } 39$$

106
43 | 4597
43
--
29
0
-
297
258

39 ← remainder

$$4597 \div 47 = 97 \text{ remainder } 38$$

97
47 | 4597
423

367
329

38 ← remainder

$$4597 \div 53 = 86 \text{ remainder } 39$$

```

      86
53 | 4597
    424
    ---
    357
    318
    ---
    39 ← remainder

```

$4597 \div 59 = 77$ remainder 54

```

      77
59 | 4597
    413
    ---
    467
    413
    ---
    54 ← remainder

```

$4597 \div 61 = 75$ remainder 22

```

      75
61 | 4597
    427
    ---
    327
    305
    ---
    22 ← remainder

```

$4597 \div 67 = 68$ remainder 41

```

      68
67 | 4597
    402
    ---
    577
    536
    ---
    41 ← remainder

```

P₆₂₃ 4603

$$4603 \div 2 = 2301 \text{ remainder } 1$$

$$\begin{array}{r} 2301 \\ 2 \mid 4603 \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ 0 \\ \underline{0} \\ 0 \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4603 \div 3 = 1534 \text{ remainder } 1$$

$$\begin{array}{r} 1534 \\ 3 \mid 4603 \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ -- \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4603 \div 5 = 920 \text{ remainder } 3$$

$$\begin{array}{r} 920 \\ 5 \mid 4603 \\ \underline{45} \\ - - \end{array}$$

```

10
10
--
3
0
-
3 ← remainder

```

$$4603 \div 7 = 657 \text{ remainder } 4$$

```

    657
7 | 4603
   42
   --
   40
   35
   --
   53
   49
   --
   4 ← remainder

```

$$4603 \div 11 = 418 \text{ remainder } 5$$

```

    418
11 | 4603
   44
   --
   20
   11
   --
   93
   88
   --
   5 ← remainder

```

$$4603 \div 13 = 354 \text{ remainder } 1$$

```

    354
13 | 4603
   39
   --
   70
   65

```



```

--
53
52
--
1 ← remainder

```

$$4603 \div 17 = 270 \text{ remainder } 13$$

```

      270
17 | 4603
    34
    --
    120
    119
    ---
     13
     0
     -
    13 ← remainder

```

$$4603 \div 19 = 242 \text{ remainder } 5$$

```

      242
19 | 4603
    38
    --
    80
    76
    --
    43
    38
    --
     5 ← remainder

```

$$4603 \div 23 = 200 \text{ remainder } 3$$

```

      200
23 | 4603
    46
    --
     0
     0
     -
     3

```

0
-
3 ← remainder

$$4603 \div 29 = 158 \text{ remainder } 21$$

```

      158
29 | 4603
    29
    --
    170
    145
    ---
    253
    232
    ---
    21 ← remainder

```

$$4603 \div 31 = 148 \text{ remainder } 15$$

```

      148
31 | 4603
    31
    --
    150
    124
    ---
    263
    248
    ---
    15 ← remainder

```

$$4603 \div 37 = 124 \text{ remainder } 15$$

```

      124
37 | 4603
    37
    --
    90
    74
    --
    163
    148

```

15 ← remainder

$$4603 \div 41 = 112 \text{ remainder } 11$$

$$\begin{array}{r} 112 \\ 41 \overline{) 4603} \\ \underline{41} \end{array}$$

--

50

41

--

93

82

--

11 ← remainder

$$4603 \div 43 = 107 \text{ remainder } 2$$

$$\begin{array}{r} 107 \\ 43 \overline{) 4603} \\ \underline{43} \end{array}$$

--

30

0

-

303

301

2 ← remainder

$$4603 \div 47 = 97 \text{ remainder } 44$$

$$\begin{array}{r} 97 \\ 47 \overline{) 4603} \\ \underline{423} \end{array}$$

373

329

44 ← remainder

$$4603 \div 53 = 86 \text{ remainder } 45$$

$$\begin{array}{r}
 86 \\
 53 \mid 4603 \\
 \underline{424} \\
 --- \\
 363 \\
 \underline{318} \\
 --- \\
 45 \leftarrow \text{remainder}
 \end{array}$$

$$4603 \div 59 = 78 \text{ remainder } 1$$

$$\begin{array}{r}
 78 \\
 59 \mid 4603 \\
 \underline{413} \\
 --- \\
 473 \\
 \underline{472} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$4603 \div 61 = 75 \text{ remainder } 28$$

$$\begin{array}{r}
 75 \\
 61 \mid 4603 \\
 \underline{427} \\
 --- \\
 333 \\
 \underline{305} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$4603 \div 67 = 68 \text{ remainder } 47$$

$$\begin{array}{r}
 68 \\
 67 \mid 4603 \\
 \underline{402} \\
 --- \\
 583 \\
 \underline{536} \\
 --- \\
 47 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₄ 4621

$$4621 \div 2 = 2310 \text{ remainder } 1$$

$$\begin{array}{r} 2310 \\ 2 \overline{) 4621} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4621 \div 3 = 1540 \text{ remainder } 1$$

$$\begin{array}{r} 1540 \\ 3 \overline{) 4621} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4621 \div 5 = 924 \text{ remainder } 1$$

$$\begin{array}{r} 924 \\ 5 \overline{) 4621} \\ \underline{45} \\ - - \end{array}$$

```

12
10
--
21
20
--
1 ← remainder

```

$$4621 \div 7 = 660 \text{ remainder } 1$$

```

      660
7 | 4621
   42
   --
   42
   42
   --
   1
   0
   -
   1 ← remainder

```

$$4621 \div 11 = 420 \text{ remainder } 1$$

```

      420
11 | 4621
    44
    --
    22
    22
    --
    1
    0
    -
    1 ← remainder

```

$$4621 \div 13 = 355 \text{ remainder } 6$$

```

      355
13 | 4621
    39
    --
    72
    65

```

```

--
71
65
--
6 ← remainder

```

$$4621 \div 17 = 271 \text{ remainder } 14$$

```

      271
17 | 4621
    34
    --
    122
    119
    ---
     31
     17
     --
     14 ← remainder

```

$$4621 \div 19 = 243 \text{ remainder } 4$$

```

      243
19 | 4621
    38
    --
    82
    76
    --
    61
    57
    --
     4 ← remainder

```

$$4621 \div 23 = 200 \text{ remainder } 21$$

```

      200
23 | 4621
    46
    --
     2
     0
     -
    21

```

0
-
21 ← remainder

$$4621 \div 29 = 159 \text{ remainder } 10$$

159
29 | 4621
29
--
172
145

271
261

10 ← remainder

$$4621 \div 31 = 149 \text{ remainder } 2$$

149
31 | 4621
31
--
152
124

281
279

2 ← remainder

$$4621 \div 37 = 124 \text{ remainder } 33$$

124
37 | 4621
37
--
92
74
--
181
148

33 ← remainder

$$4621 \div 41 = 112 \text{ remainder } 29$$

112
41 | 4621
41
--
52
41
--
111
82
--
29 ← remainder

$$4621 \div 43 = 107 \text{ remainder } 20$$

107
43 | 4621
43
--
32
0
-
321
301

20 ← remainder

$$4621 \div 47 = 98 \text{ remainder } 15$$

98
47 | 4621
423

391
376

15 ← remainder

$$4621 \div 53 = 87 \text{ remainder } 10$$

$$\begin{array}{r}
 87 \\
 53 \mid 4621 \\
 \underline{424} \\
 --- \\
 381 \\
 \underline{371} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$4621 \div 59 = 78 \text{ remainder } 19$$

$$\begin{array}{r}
 78 \\
 59 \mid 4621 \\
 \underline{413} \\
 --- \\
 491 \\
 \underline{472} \\
 --- \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$4621 \div 61 = 75 \text{ remainder } 46$$

$$\begin{array}{r}
 75 \\
 61 \mid 4621 \\
 \underline{427} \\
 --- \\
 351 \\
 \underline{305} \\
 --- \\
 46 \leftarrow \text{remainder}
 \end{array}$$

$$4621 \div 67 = 68 \text{ remainder } 65$$

$$\begin{array}{r}
 68 \\
 67 \mid 4621 \\
 \underline{402} \\
 --- \\
 601 \\
 \underline{536} \\
 --- \\
 65 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₅ 4637

$$4637 \div 2 = 2318 \text{ remainder } 1$$

$$\begin{array}{r} 2318 \\ 2 \mid 4637 \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4637 \div 3 = 1545 \text{ remainder } 2$$

$$\begin{array}{r} 1545 \\ 3 \mid 4637 \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4637 \div 5 = 927 \text{ remainder } 2$$

$$\begin{array}{r} 927 \\ 5 \mid 4637 \\ \underline{45} \\ - - \end{array}$$

```

13
10
--
37
35
--
2 ← remainder

```

$$4637 \div 7 = 662 \text{ remainder } 3$$

```

    662
7 | 4637
   42
   --
   43
   42
   --
   17
   14
   --
   3 ← remainder

```

$$4637 \div 11 = 421 \text{ remainder } 6$$

```

    421
11 | 4637
   44
   --
   23
   22
   --
   17
   11
   --
   6 ← remainder

```

$$4637 \div 13 = 356 \text{ remainder } 9$$

```

    356
13 | 4637
   39
   --
   73
   65

```

```

--
87
78
--
9 ← remainder

```

$$4637 \div 17 = 272 \text{ remainder } 13$$

```

      272
17 | 4637
    34
    --
    123
    119
    ---
     47
     34
     --
     13 ← remainder

```

$$4637 \div 19 = 244 \text{ remainder } 1$$

```

      244
19 | 4637
    38
    --
     83
     76
     --
     77
     76
     --
      1 ← remainder

```

$$4637 \div 23 = 201 \text{ remainder } 14$$

```

      201
23 | 4637
    46
    --
     3
     0
     -
    37

```

23
 --
 14 ← remainder

$$4637 \div 29 = 159 \text{ remainder } 26$$

159
 29 | 4637
 29
 --
 173
 145

 287
 261

 26 ← remainder

$$4637 \div 31 = 149 \text{ remainder } 18$$

149
 31 | 4637
 31
 --
 153
 124

 297
 279

 18 ← remainder

$$4637 \div 37 = 125 \text{ remainder } 12$$

125
 37 | 4637
 37
 --
 93
 74
 --
 197
 185

12 ← remainder

$$4637 \div 41 = 113 \text{ remainder } 4$$

```
      113
41 | 4637
    41
    --
    53
    41
    --
    127
    123
    ---
    4 ← remainder
```

$$4637 \div 43 = 107 \text{ remainder } 36$$

```
      107
43 | 4637
    43
    --
    33
    0
    -
    337
    301
    ---
    36 ← remainder
```

$$4637 \div 47 = 98 \text{ remainder } 31$$

```
      98
47 | 4637
    423
    ---
    407
    376
    ---
    31 ← remainder
```

$$4637 \div 53 = 87 \text{ remainder } 26$$

$$\begin{array}{r}
 87 \\
 53 \mid 4637 \\
 \underline{424} \\
 --- \\
 397 \\
 \underline{371} \\
 --- \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$4637 \div 59 = 78 \text{ remainder } 35$$

$$\begin{array}{r}
 78 \\
 59 \mid 4637 \\
 \underline{413} \\
 --- \\
 507 \\
 \underline{472} \\
 --- \\
 35 \leftarrow \text{remainder}
 \end{array}$$

$$4637 \div 61 = 76 \text{ remainder } 1$$

$$\begin{array}{r}
 76 \\
 61 \mid 4637 \\
 \underline{427} \\
 --- \\
 367 \\
 \underline{366} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$4637 \div 67 = 69 \text{ remainder } 14$$

$$\begin{array}{r}
 69 \\
 67 \mid 4637 \\
 \underline{402} \\
 --- \\
 617 \\
 \underline{603} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₆ 4639

$$4639 \div 2 = 2319 \text{ remainder } 1$$

$$\begin{array}{r} 2319 \\ 2 \overline{) 4639} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4639 \div 3 = 1546 \text{ remainder } 1$$

$$\begin{array}{r} 1546 \\ 3 \overline{) 4639} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4639 \div 5 = 927 \text{ remainder } 4$$

$$\begin{array}{r} 927 \\ 5 \overline{) 4639} \\ \underline{45} \\ - - \end{array}$$

```

13
10
--
39
35
--
4 ← remainder

```

$$4639 \div 7 = 662 \text{ remainder } 5$$

```

    662
7 | 4639
   42
   --
   43
   42
   --
   19
   14
   --
   5 ← remainder

```

$$4639 \div 11 = 421 \text{ remainder } 8$$

```

    421
11 | 4639
   44
   --
   23
   22
   --
   19
   11
   --
   8 ← remainder

```

$$4639 \div 13 = 356 \text{ remainder } 11$$

```

    356
13 | 4639
   39
   --
   73
   65

```

```

--
89
78
--
11 ← remainder

```

$$4639 \div 17 = 272 \text{ remainder } 15$$

```

      272
17 | 4639
    34
    --
    123
    119
    ---
     49
     34
     --
     15 ← remainder

```

$$4639 \div 19 = 244 \text{ remainder } 3$$

```

      244
19 | 4639
    38
    --
     83
     76
     --
      79
      76
      --
       3 ← remainder

```

$$4639 \div 23 = 201 \text{ remainder } 16$$

```

      201
23 | 4639
    46
    --
     3
     0
     -
     39

```

23

--

16 ← remainder

$$4639 \div 29 = 159 \text{ remainder } 28$$

159
29 | 4639
29

--

173

145

289

261

28 ← remainder

$$4639 \div 31 = 149 \text{ remainder } 20$$

149
31 | 4639
31

--

153

124

299

279

20 ← remainder

$$4639 \div 37 = 125 \text{ remainder } 14$$

125
37 | 4639
37

--

93

74

--

199

185

14 ← remainder

$$4639 \div 41 = 113 \text{ remainder } 6$$

```
      113
41 | 4639
    41
    --
    53
    41
    --
    129
    123
    ---
     6 ← remainder
```

$$4639 \div 43 = 107 \text{ remainder } 38$$

```
      107
43 | 4639
    43
    --
    33
    0
    -
    339
    301
    ---
    38 ← remainder
```

$$4639 \div 47 = 98 \text{ remainder } 33$$

```
      98
47 | 4639
    423
    ---
    409
    376
    ---
    33 ← remainder
```

$$4639 \div 53 = 87 \text{ remainder } 28$$

$$\begin{array}{r}
 87 \\
 53 \mid 4639 \\
 \underline{424} \\
 --- \\
 399 \\
 \underline{371} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$4639 \div 59 = 78 \text{ remainder } 37$$

$$\begin{array}{r}
 78 \\
 59 \mid 4639 \\
 \underline{413} \\
 --- \\
 509 \\
 \underline{472} \\
 --- \\
 37 \leftarrow \text{remainder}
 \end{array}$$

$$4639 \div 61 = 76 \text{ remainder } 3$$

$$\begin{array}{r}
 76 \\
 61 \mid 4639 \\
 \underline{427} \\
 --- \\
 369 \\
 \underline{366} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$4639 \div 67 = 69 \text{ remainder } 16$$

$$\begin{array}{r}
 69 \\
 67 \mid 4639 \\
 \underline{402} \\
 --- \\
 619 \\
 \underline{603} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₇ 4643

$$4643 \div 2 = 2321 \text{ remainder } 1$$

$$\begin{array}{r} 2321 \\ 2 \overline{) 4643} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4643 \div 3 = 1547 \text{ remainder } 2$$

$$\begin{array}{r} 1547 \\ 3 \overline{) 4643} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4643 \div 5 = 928 \text{ remainder } 3$$

$$\begin{array}{r} 928 \\ 5 \overline{) 4643} \\ \underline{45} \\ - - \end{array}$$

```

14
10
--
43
40
--
3 ← remainder

```

$$4643 \div 7 = 663 \text{ remainder } 2$$

```

      663
7 | 4643
  42
  --
   44
   42
   --
   23
   21
   --
   2 ← remainder

```

$$4643 \div 11 = 422 \text{ remainder } 1$$

```

      422
11 | 4643
   44
   --
   24
   22
   --
   23
   22
   --
   1 ← remainder

```

$$4643 \div 13 = 357 \text{ remainder } 2$$

```

      357
13 | 4643
   39
   --
   74
   65

```



```

--
93
91
--
2 ← remainder

```

$$4643 \div 17 = 273 \text{ remainder } 2$$

```

      273
17 | 4643
    34
    --
    124
    119
    ---
     53
     51
     --
     2 ← remainder

```

$$4643 \div 19 = 244 \text{ remainder } 7$$

```

      244
19 | 4643
    38
    --
    84
    76
    --
    83
    76
    --
    7 ← remainder

```

$$4643 \div 23 = 201 \text{ remainder } 20$$

```

      201
23 | 4643
    46
    --
     4
     0
     -
    43

```

23

--

20 ← remainder

$$4643 \div 29 = 160 \text{ remainder } 3$$

160
29 | 4643
29

--

174

174

3

0

-

3 ← remainder

$$4643 \div 31 = 149 \text{ remainder } 24$$

149
31 | 4643
31

--

154

124

303

279

24 ← remainder

$$4643 \div 37 = 125 \text{ remainder } 18$$

125
37 | 4643
37

--

94

74

--

203

185

18 ← remainder

$$4643 \div 41 = 113 \text{ remainder } 10$$

```
      113
41 | 4643
    41
    --
    54
    41
    --
    133
    123
    ---
    10 ← remainder
```

$$4643 \div 43 = 107 \text{ remainder } 42$$

```
      107
43 | 4643
    43
    --
    34
    0
    -
    343
    301
    ---
    42 ← remainder
```

$$4643 \div 47 = 98 \text{ remainder } 37$$

```
      98
47 | 4643
    423
    ---
    413
    376
    ---
    37 ← remainder
```

$$4643 \div 53 = 87 \text{ remainder } 32$$

$$\begin{array}{r}
 87 \\
 53 \mid 4643 \\
 \underline{424} \\
 --- \\
 403 \\
 \underline{371} \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$4643 \div 59 = 78 \text{ remainder } 41$$

$$\begin{array}{r}
 78 \\
 59 \mid 4643 \\
 \underline{413} \\
 --- \\
 513 \\
 \underline{472} \\
 --- \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$4643 \div 61 = 76 \text{ remainder } 7$$

$$\begin{array}{r}
 76 \\
 61 \mid 4643 \\
 \underline{427} \\
 --- \\
 373 \\
 \underline{366} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$4643 \div 67 = 69 \text{ remainder } 20$$

$$\begin{array}{r}
 69 \\
 67 \mid 4643 \\
 \underline{402} \\
 --- \\
 623 \\
 \underline{603} \\
 --- \\
 20 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₈ 4649

$$4649 \div 2 = 2324 \text{ remainder } 1$$

$$\begin{array}{r} 2324 \\ 2 \overline{) 4649} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4649 \div 3 = 1549 \text{ remainder } 2$$

$$\begin{array}{r} 1549 \\ 3 \overline{) 4649} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4649 \div 5 = 929 \text{ remainder } 4$$

$$\begin{array}{r} 929 \\ 5 \overline{) 4649} \\ \underline{45} \\ - - \end{array}$$

```

14
10
--
49
45
--
4 ← remainder

```

$$4649 \div 7 = 664 \text{ remainder } 1$$

```

    664
7 | 4649
   42
   --
   44
   42
   --
   29
   28
   --
   1 ← remainder

```

$$4649 \div 11 = 422 \text{ remainder } 7$$

```

    422
11 | 4649
   44
   --
   24
   22
   --
   29
   22
   --
   7 ← remainder

```

$$4649 \div 13 = 357 \text{ remainder } 8$$

```

    357
13 | 4649
   39
   --
   74
   65

```

```

--
99
91
--
8 ← remainder

```

$$4649 \div 17 = 273 \text{ remainder } 8$$

```

      273
17 | 4649
    34
    --
    124
    119
    ---
     59
     51
     --
     8 ← remainder

```

$$4649 \div 19 = 244 \text{ remainder } 13$$

```

      244
19 | 4649
    38
    --
    84
    76
    --
    89
    76
    --
    13 ← remainder

```

$$4649 \div 23 = 202 \text{ remainder } 3$$

```

      202
23 | 4649
    46
    --
     4
     0
     -
    49

```

46
 --
 3 ← remainder

$$4649 \div 29 = 160 \text{ remainder } 9$$

160
 29 | 4649
 29
 --
 174
 174

 9
 0
 -
 9 ← remainder

$$4649 \div 31 = 149 \text{ remainder } 30$$

149
 31 | 4649
 31
 --
 154
 124

 309
 279

 30 ← remainder

$$4649 \div 37 = 125 \text{ remainder } 24$$

125
 37 | 4649
 37
 --
 94
 74
 --
 209
 185

24 ← remainder

$$4649 \div 41 = 113 \text{ remainder } 16$$

113
41 | 4649
41
--
54
41
--
139
123

16 ← remainder

$$4649 \div 43 = 108 \text{ remainder } 5$$

108
43 | 4649
43
--
34
0
-
349
344

5 ← remainder

$$4649 \div 47 = 98 \text{ remainder } 43$$

98
47 | 4649
423

419
376

43 ← remainder

$$4649 \div 53 = 87 \text{ remainder } 38$$

$$\begin{array}{r}
 87 \\
 53 \mid 4649 \\
 \underline{424} \\
 --- \\
 409 \\
 \underline{371} \\
 --- \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$4649 \div 59 = 78 \text{ remainder } 47$$

$$\begin{array}{r}
 78 \\
 59 \mid 4649 \\
 \underline{413} \\
 --- \\
 519 \\
 \underline{472} \\
 --- \\
 47 \leftarrow \text{remainder}
 \end{array}$$

$$4649 \div 61 = 76 \text{ remainder } 13$$

$$\begin{array}{r}
 76 \\
 61 \mid 4649 \\
 \underline{427} \\
 --- \\
 379 \\
 \underline{366} \\
 --- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$4649 \div 67 = 69 \text{ remainder } 26$$

$$\begin{array}{r}
 69 \\
 67 \mid 4649 \\
 \underline{402} \\
 --- \\
 629 \\
 \underline{603} \\
 --- \\
 26 \leftarrow \text{remainder}
 \end{array}$$

P₆₂₉ 4651

$$4651 \div 2 = 2325 \text{ remainder } 1$$

$$\begin{array}{r} 2325 \\ 2 \overline{) 4651} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4651 \div 3 = 1550 \text{ remainder } 1$$

$$\begin{array}{r} 1550 \\ 3 \overline{) 4651} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 15 \\ \underline{15} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4651 \div 5 = 930 \text{ remainder } 1$$

$$\begin{array}{r} 930 \\ 5 \overline{) 4651} \\ \underline{45} \\ - - \end{array}$$

```

15
15
--
1
0
-
1 ← remainder

```

$$4651 \div 7 = 664 \text{ remainder } 3$$

```

664
7 | 4651
42
--
45
42
--
31
28
--
3 ← remainder

```

$$4651 \div 11 = 422 \text{ remainder } 9$$

```

422
11 | 4651
44
--
25
22
--
31
22
--
9 ← remainder

```

$$4651 \div 13 = 357 \text{ remainder } 10$$

```

357
13 | 4651
39
--
75
65

```

```

--
101
91
--
10 ← remainder

```

$$4651 \div 17 = 273 \text{ remainder } 10$$

```

      273
17 | 4651
    34
    --
    125
    119
    ---
     61
     51
     --
     10 ← remainder

```

$$4651 \div 19 = 244 \text{ remainder } 15$$

```

      244
19 | 4651
    38
    --
    85
    76
    --
    91
    76
    --
    15 ← remainder

```

$$4651 \div 23 = 202 \text{ remainder } 5$$

```

      202
23 | 4651
    46
    --
     5
     0
     -
     51

```

46
 --
 5 ← remainder

$$4651 \div 29 = 160 \text{ remainder } 11$$

160
 29 | 4651
 29
 --
 175
 174

 11
 0
 -
 11 ← remainder

$$4651 \div 31 = 150 \text{ remainder } 1$$

150
 31 | 4651
 31
 --
 155
 155

 1
 0
 -
 1 ← remainder

$$4651 \div 37 = 125 \text{ remainder } 26$$

125
 37 | 4651
 37
 --
 95
 74
 --
 211
 185

26 ← remainder

$$4651 \div 41 = 113 \text{ remainder } 18$$

```
      113
41 | 4651
    41
    --
    55
    41
    --
    141
    123
    ---
    18 ← remainder
```

$$4651 \div 43 = 108 \text{ remainder } 7$$

```
      108
43 | 4651
    43
    --
    35
    0
    -
    351
    344
    ---
    7 ← remainder
```

$$4651 \div 47 = 98 \text{ remainder } 45$$

```
      98
47 | 4651
    423
    ---
    421
    376
    ---
    45 ← remainder
```

$$4651 \div 53 = 87 \text{ remainder } 40$$

$$\begin{array}{r}
 87 \\
 53 \mid 4651 \\
 \underline{424} \\
 --- \\
 411 \\
 \underline{371} \\
 --- \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$4651 \div 59 = 78 \text{ remainder } 49$$

$$\begin{array}{r}
 78 \\
 59 \mid 4651 \\
 \underline{413} \\
 --- \\
 521 \\
 \underline{472} \\
 --- \\
 49 \leftarrow \text{remainder}
 \end{array}$$

$$4651 \div 61 = 76 \text{ remainder } 15$$

$$\begin{array}{r}
 76 \\
 61 \mid 4651 \\
 \underline{427} \\
 --- \\
 381 \\
 \underline{366} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$4651 \div 67 = 69 \text{ remainder } 28$$

$$\begin{array}{r}
 69 \\
 67 \mid 4651 \\
 \underline{402} \\
 --- \\
 631 \\
 \underline{603} \\
 --- \\
 28 \leftarrow \text{remainder}
 \end{array}$$

P₆₃₀ 4657

$$4657 \div 2 = 2328 \text{ remainder } 1$$

$$\begin{array}{r} 2328 \\ 2 \overline{) 4657} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4657 \div 3 = 1552 \text{ remainder } 1$$

$$\begin{array}{r} 1552 \\ 3 \overline{) 4657} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 15 \\ \underline{15} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4657 \div 5 = 931 \text{ remainder } 2$$

$$\begin{array}{r} 931 \\ 5 \overline{) 4657} \\ \underline{45} \\ - - \end{array}$$

```

15
15
--
7
5
-
2 ← remainder

```

$$4657 \div 7 = 665 \text{ remainder } 2$$

```

665
7 | 4657
42
--
45
42
--
37
35
--
2 ← remainder

```

$$4657 \div 11 = 423 \text{ remainder } 4$$

```

423
11 | 4657
44
--
25
22
--
37
33
--
4 ← remainder

```

$$4657 \div 13 = 358 \text{ remainder } 3$$

```

358
13 | 4657
39
--
75
65

```

```

--
107
104
---
3 ← remainder

```

$$4657 \div 17 = 273 \text{ remainder } 16$$

```

273
17 | 4657
   34
   --
   125
   119
   ---
    67
    51
    --
    16 ← remainder

```

$$4657 \div 19 = 245 \text{ remainder } 2$$

```

245
19 | 4657
   38
   --
   85
   76
   --
   97
   95
   --
    2 ← remainder

```

$$4657 \div 23 = 202 \text{ remainder } 11$$

```

202
23 | 4657
   46
   --
    5
    0
    -
    57

```

46

--

11 \leftarrow remainder

$$4657 \div 29 = 160 \text{ remainder } 17$$

160
29 | 4657
29

--

175

174

17

0

-

17 \leftarrow remainder

$$4657 \div 31 = 150 \text{ remainder } 7$$

150
31 | 4657
31

--

155

155

7

0

-

7 \leftarrow remainder

$$4657 \div 37 = 125 \text{ remainder } 32$$

125
37 | 4657
37

--

95

74

--

217

185

32 ← remainder

$$4657 \div 41 = 113 \text{ remainder } 24$$

113
41 | 4657
41
--
55
41
--
147
123

24 ← remainder

$$4657 \div 43 = 108 \text{ remainder } 13$$

108
43 | 4657
43
--
35
0
-
357
344

13 ← remainder

$$4657 \div 47 = 99 \text{ remainder } 4$$

99
47 | 4657
423

427
423

4 ← remainder

$$4657 \div 53 = 87 \text{ remainder } 46$$

```

      87
53 | 4657
    424
    ---
    417
    371
    ---
    46 ← remainder

```

$4657 \div 59 = 78 \text{ remainder } 55$

```

      78
59 | 4657
    413
    ---
    527
    472
    ---
    55 ← remainder

```

$4657 \div 61 = 76 \text{ remainder } 21$

```

      76
61 | 4657
    427
    ---
    387
    366
    ---
    21 ← remainder

```

$4657 \div 67 = 69 \text{ remainder } 34$

```

      69
67 | 4657
    402
    ---
    637
    603
    ---
    34 ← remainder

```

P₆₃₁ 4663

$$4663 \div 2 = 2331 \text{ remainder } 1$$

$$\begin{array}{r} 2331 \\ 2 \overline{) 4663} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4663 \div 3 = 1554 \text{ remainder } 1$$

$$\begin{array}{r} 1554 \\ 3 \overline{) 4663} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - \\ 16 \\ \underline{15} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4663 \div 5 = 932 \text{ remainder } 3$$

$$\begin{array}{r} 932 \\ 5 \overline{) 4663} \\ \underline{45} \\ - \end{array}$$

```

16
15
--
13
10
--
3 ← remainder

```

$$4663 \div 7 = 666 \text{ remainder } 1$$

```

    666
7 | 4663
   42
   --
   46
   42
   --
   43
   42
   --
   1 ← remainder

```

$$4663 \div 11 = 423 \text{ remainder } 10$$

```

    423
11 | 4663
   44
   --
   26
   22
   --
   43
   33
   --
   10 ← remainder

```

$$4663 \div 13 = 358 \text{ remainder } 9$$

```

    358
13 | 4663
   39
   --
   76
   65

```



```

--
113
104
---
9 ← remainder

```

$$4663 \div 17 = 274 \text{ remainder } 5$$

```

274
17 | 4663
   34
   --
   126
   119
   ---
    73
    68
    --
    5 ← remainder

```

$$4663 \div 19 = 245 \text{ remainder } 8$$

```

245
19 | 4663
   38
   --
   86
   76
   --
   103
   95
   --
   8 ← remainder

```

$$4663 \div 23 = 202 \text{ remainder } 17$$

```

202
23 | 4663
   46
   --
    6
    0
    -
    63

```

46

--

17 ← remainder

$$4663 \div 29 = 160 \text{ remainder } 23$$

160

29 | 4663

29

--

176

174

23

0

-

23 ← remainder

$$4663 \div 31 = 150 \text{ remainder } 13$$

150

31 | 4663

31

--

156

155

13

0

-

13 ← remainder

$$4663 \div 37 = 126 \text{ remainder } 1$$

126

37 | 4663

37

--

96

74

--

223

222

1 ← remainder

$$4663 \div 41 = 113 \text{ remainder } 30$$

```
      113
41 | 4663
    41
    --
    56
    41
    --
    153
    123
    ---
    30 ← remainder
```

$$4663 \div 43 = 108 \text{ remainder } 19$$

```
      108
43 | 4663
    43
    --
    36
    0
    -
    363
    344
    ---
    19 ← remainder
```

$$4663 \div 47 = 99 \text{ remainder } 10$$

```
      99
47 | 4663
    423
    ---
    433
    423
    ---
    10 ← remainder
```

$$4663 \div 53 = 87 \text{ remainder } 52$$

```

      87
53 | 4663
    424
    ---
    423
    371
    ---
    52 ← remainder

```

$4663 \div 59 = 79$ remainder 2

```

      79
59 | 4663
    413
    ---
    533
    531
    ---
     2 ← remainder

```

$4663 \div 61 = 76$ remainder 27

```

      76
61 | 4663
    427
    ---
    393
    366
    ---
    27 ← remainder

```

$4663 \div 67 = 69$ remainder 40

```

      69
67 | 4663
    402
    ---
    643
    603
    ---
    40 ← remainder

```

P₆₃₂ 4673

$$4673 \div 2 = 2336 \text{ remainder } 1$$

$$\begin{array}{r} 2336 \\ 2 \mid 4673 \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4673 \div 3 = 1557 \text{ remainder } 2$$

$$\begin{array}{r} 1557 \\ 3 \mid 4673 \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4673 \div 5 = 934 \text{ remainder } 3$$

$$\begin{array}{r} 934 \\ 5 \mid 4673 \\ \underline{45} \\ - - \end{array}$$

```

17
15
--
23
20
--
3 ← remainder

```

$$4673 \div 7 = 667 \text{ remainder } 4$$

```

    667
7 | 4673
   42
   --
   47
   42
   --
   53
   49
   --
   4 ← remainder

```

$$4673 \div 11 = 424 \text{ remainder } 9$$

```

    424
11 | 4673
   44
   --
   27
   22
   --
   53
   44
   --
   9 ← remainder

```

$$4673 \div 13 = 359 \text{ remainder } 6$$

```

    359
13 | 4673
   39
   --
   77
   65

```

```

--
123
117
---
6 ← remainder

```

$$4673 \div 17 = 274 \text{ remainder } 15$$

```

274
17 | 4673
   34
   --
   127
   119
   ---
    83
    68
    --
    15 ← remainder

```

$$4673 \div 19 = 245 \text{ remainder } 18$$

```

245
19 | 4673
   38
   --
   87
   76
   --
   113
   95
   --
   18 ← remainder

```

$$4673 \div 23 = 203 \text{ remainder } 4$$

```

203
23 | 4673
   46
   --
    7
    0
    -
    73

```

69
 --
 4 ← remainder

$$4673 \div 29 = 161 \text{ remainder } 4$$

161
 29 | 4673
 29
 --
 177
 174

 33
 29
 --
 4 ← remainder

$$4673 \div 31 = 150 \text{ remainder } 23$$

150
 31 | 4673
 31
 --
 157
 155

 23
 0
 -
 23 ← remainder

$$4673 \div 37 = 126 \text{ remainder } 11$$

126
 37 | 4673
 37
 --
 97
 74
 --
 233
 222

11 ← remainder

$$4673 \div 41 = 113 \text{ remainder } 40$$

113
41 | 4673
41
--
57
41
--
163
123

40 ← remainder

$$4673 \div 43 = 108 \text{ remainder } 29$$

108
43 | 4673
43
--
37
0
-
373
344

29 ← remainder

$$4673 \div 47 = 99 \text{ remainder } 20$$

99
47 | 4673
423

443
423

20 ← remainder

$$4673 \div 53 = 88 \text{ remainder } 9$$

$$\begin{array}{r}
 88 \\
 53 \mid 4673 \\
 \underline{424} \\
 --- \\
 433 \\
 \underline{424} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$4673 \div 59 = 79 \text{ remainder } 12$$

$$\begin{array}{r}
 79 \\
 59 \mid 4673 \\
 \underline{413} \\
 --- \\
 543 \\
 \underline{531} \\
 --- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$4673 \div 61 = 76 \text{ remainder } 37$$

$$\begin{array}{r}
 76 \\
 61 \mid 4673 \\
 \underline{427} \\
 --- \\
 403 \\
 \underline{366} \\
 --- \\
 37 \leftarrow \text{remainder}
 \end{array}$$

$$4673 \div 67 = 69 \text{ remainder } 50$$

$$\begin{array}{r}
 69 \\
 67 \mid 4673 \\
 \underline{402} \\
 --- \\
 653 \\
 \underline{603} \\
 --- \\
 50 \leftarrow \text{remainder}
 \end{array}$$

P₆₃₃ 4679

$$4679 \div 2 = 2339 \text{ remainder } 1$$

$$\begin{array}{r} 2339 \\ 2 \overline{) 4679} \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4679 \div 3 = 1559 \text{ remainder } 2$$

$$\begin{array}{r} 1559 \\ 3 \overline{) 4679} \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4679 \div 5 = 935 \text{ remainder } 4$$

$$\begin{array}{r} 935 \\ 5 \overline{) 4679} \\ \underline{45} \\ - - \end{array}$$

```

17
15
--
29
25
--
4 ← remainder

```

$$4679 \div 7 = 668 \text{ remainder } 3$$

```

      668
7 | 4679
  42
  --
   47
   42
   --
   59
   56
   --
   3 ← remainder

```

$$4679 \div 11 = 425 \text{ remainder } 4$$

```

      425
11 | 4679
   44
   --
   27
   22
   --
   59
   55
   --
   4 ← remainder

```

$$4679 \div 13 = 359 \text{ remainder } 12$$

```

      359
13 | 4679
   39
   --
   77
   65

```

```

--
129
117
---
12 ← remainder

```

$$4679 \div 17 = 275 \text{ remainder } 4$$

```

      275
17 | 4679
    34
    --
    127
    119
    ---
     89
     85
     --
     4 ← remainder

```

$$4679 \div 19 = 246 \text{ remainder } 5$$

```

      246
19 | 4679
    38
    --
    87
    76
    --
    119
    114
    ---
     5 ← remainder

```

$$4679 \div 23 = 203 \text{ remainder } 10$$

```

      203
23 | 4679
    46
    --
     7
     0
     -
    79

```

69

--

10 ← remainder

$$4679 \div 29 = 161 \text{ remainder } 10$$

161
29 | 4679
29

--

177

174

39

29

--

10 ← remainder

$$4679 \div 31 = 150 \text{ remainder } 29$$

150
31 | 4679
31

--

157

155

29

0

-

29 ← remainder

$$4679 \div 37 = 126 \text{ remainder } 17$$

126
37 | 4679
37

--

97

74

--

239

222

17 ← remainder

$$4679 \div 41 = 114 \text{ remainder } 5$$

```
      114
41 | 4679
    41
    --
    57
    41
    --
    169
    164
    ---
    5 ← remainder
```

$$4679 \div 43 = 108 \text{ remainder } 35$$

```
      108
43 | 4679
    43
    --
    37
    0
    -
    379
    344
    ---
    35 ← remainder
```

$$4679 \div 47 = 99 \text{ remainder } 26$$

```
      99
47 | 4679
    423
    ---
    449
    423
    ---
    26 ← remainder
```

$$4679 \div 53 = 88 \text{ remainder } 15$$

$$\begin{array}{r}
 88 \\
 53 \mid 4679 \\
 \underline{424} \\
 --- \\
 439 \\
 \underline{424} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$4679 \div 59 = 79 \text{ remainder } 18$$

$$\begin{array}{r}
 79 \\
 59 \mid 4679 \\
 \underline{413} \\
 --- \\
 549 \\
 \underline{531} \\
 --- \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$4679 \div 61 = 76 \text{ remainder } 43$$

$$\begin{array}{r}
 76 \\
 61 \mid 4679 \\
 \underline{427} \\
 --- \\
 409 \\
 \underline{366} \\
 --- \\
 43 \leftarrow \text{remainder}
 \end{array}$$

$$4679 \div 67 = 69 \text{ remainder } 56$$

$$\begin{array}{r}
 69 \\
 67 \mid 4679 \\
 \underline{402} \\
 --- \\
 659 \\
 \underline{603} \\
 --- \\
 56 \leftarrow \text{remainder}
 \end{array}$$

P₆₃₄ 4691

$$4691 \div 2 = 2345 \text{ remainder } 1$$

$$\begin{array}{r} 2345 \\ 2 \mid 4691 \\ 4 \\ - \\ 6 \\ 6 \\ - \\ 9 \\ 8 \\ - \\ 11 \\ 10 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4691 \div 3 = 1563 \text{ remainder } 2$$

$$\begin{array}{r} 1563 \\ 3 \mid 4691 \\ 3 \\ - \\ 16 \\ 15 \\ - - \\ 19 \\ 18 \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4691 \div 5 = 938 \text{ remainder } 1$$

$$\begin{array}{r} 938 \\ 5 \mid 4691 \\ 45 \\ - - \end{array}$$

```

19
15
--
41
40
--
1 ← remainder

```

$$4691 \div 7 = 670 \text{ remainder } 1$$

```

    670
7 | 4691
   42
   --
   49
   49
   --
    1
    0
    -
    1 ← remainder

```

$$4691 \div 11 = 426 \text{ remainder } 5$$

```

    426
11 | 4691
   44
   --
   29
   22
   --
   71
   66
   --
    5 ← remainder

```

$$4691 \div 13 = 360 \text{ remainder } 11$$

```

    360
13 | 4691
   39
   --
   79
   78

```

```

--
11
0
-
11 ← remainder

```

$$4691 \div 17 = 275 \text{ remainder } 16$$

```

      275
17 | 4691
    34
    --
    129
    119
    ---
    101
    85
    --
    16 ← remainder

```

$$4691 \div 19 = 246 \text{ remainder } 17$$

```

      246
19 | 4691
    38
    --
    89
    76
    --
    131
    114
    ---
    17 ← remainder

```

$$4691 \div 23 = 203 \text{ remainder } 22$$

```

      203
23 | 4691
    46
    --
     9
     0
     -
    91

```

69

--

22 ← remainder

$$4691 \div 29 = 161 \text{ remainder } 22$$

161
29 | 4691
29

--

179

174

51

29

--

22 ← remainder

$$4691 \div 31 = 151 \text{ remainder } 10$$

151
31 | 4691
31

--

159

155

41

31

--

10 ← remainder

$$4691 \div 37 = 126 \text{ remainder } 29$$

126
37 | 4691
37

--

99

74

--

251

222

29 ← remainder

$$4691 \div 41 = 114 \text{ remainder } 17$$

114
41 | 4691
41
--
59
41
--
181
164

17 ← remainder

$$4691 \div 43 = 109 \text{ remainder } 4$$

109
43 | 4691
43
--
39
0
-
391
387

4 ← remainder

$$4691 \div 47 = 99 \text{ remainder } 38$$

99
47 | 4691
423

461
423

38 ← remainder

$$4691 \div 53 = 88 \text{ remainder } 27$$

$$\begin{array}{r}
 88 \\
 53 \mid 4691 \\
 \underline{424} \\
 --- \\
 451 \\
 \underline{424} \\
 --- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$4691 \div 59 = 79 \text{ remainder } 30$$

$$\begin{array}{r}
 79 \\
 59 \mid 4691 \\
 \underline{413} \\
 --- \\
 561 \\
 \underline{531} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$4691 \div 61 = 76 \text{ remainder } 55$$

$$\begin{array}{r}
 76 \\
 61 \mid 4691 \\
 \underline{427} \\
 --- \\
 421 \\
 \underline{366} \\
 --- \\
 55 \leftarrow \text{remainder}
 \end{array}$$

$$4691 \div 67 = 70 \text{ remainder } 1$$

$$\begin{array}{r}
 70 \\
 67 \mid 4691 \\
 \underline{469} \\
 --- \\
 1 \\
 0 \\
 - \\
 1 \leftarrow \text{remainder}
 \end{array}$$

P₆₃₅ 4703

$$4703 \div 2 = 2351 \text{ remainder } 1$$

$$\begin{array}{r} 2351 \\ 2 \mid 4703 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4703 \div 3 = 1567 \text{ remainder } 2$$

$$\begin{array}{r} 1567 \\ 3 \mid 4703 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 20 \\ \underline{18} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4703 \div 5 = 940 \text{ remainder } 3$$

$$\begin{array}{r} 940 \\ 5 \mid 4703 \\ \underline{45} \\ - - \end{array}$$

```

20
20
--
3
0
-
3 ← remainder

```

$$4703 \div 7 = 671 \text{ remainder } 6$$

```

    671
7 | 4703
   42
   --
   50
   49
   --
   13
   7
   -
   6 ← remainder

```

$$4703 \div 11 = 427 \text{ remainder } 6$$

```

    427
11 | 4703
   44
   --
   30
   22
   --
   83
   77
   --
   6 ← remainder

```

$$4703 \div 13 = 361 \text{ remainder } 10$$

```

    361
13 | 4703
   39
   --
   80
   78

```



```

--
23
13
--
10 ← remainder

```

$$4703 \div 17 = 276 \text{ remainder } 11$$

```

      276
17 | 4703
    34
    --
    130
    119
    ---
    113
    102
    ---
    11 ← remainder

```

$$4703 \div 19 = 247 \text{ remainder } 10$$

```

      247
19 | 4703
    38
    --
    90
    76
    --
    143
    133
    ---
    10 ← remainder

```

$$4703 \div 23 = 204 \text{ remainder } 11$$

```

      204
23 | 4703
    46
    --
    10
    0
    -
    103

```

92

--

11 ← remainder

$$4703 \div 29 = 162 \text{ remainder } 5$$

162
29 | 4703
29

--

180

174

63

58

--

5 ← remainder

$$4703 \div 31 = 151 \text{ remainder } 22$$

151
31 | 4703
31

--

160

155

53

31

--

22 ← remainder

$$4703 \div 37 = 127 \text{ remainder } 4$$

127
37 | 4703
37

--

100

74

--

263

259

4 ← remainder

$$4703 \div 41 = 114 \text{ remainder } 29$$

```
      114
41 | 4703
    41
    --
    60
    41
    --
    193
    164
    ---
    29 ← remainder
```

$$4703 \div 43 = 109 \text{ remainder } 16$$

```
      109
43 | 4703
    43
    --
    40
    0
    -
    403
    387
    ---
    16 ← remainder
```

$$4703 \div 47 = 100 \text{ remainder } 3$$

```
      100
47 | 4703
    47
    --
    0
    0
    -
    3
    0
    -
    3 ← remainder
```

$$4703 \div 53 = 88 \text{ remainder } 39$$

$$\begin{array}{r} 88 \\ 53 \overline{) 4703} \\ \underline{424} \\ 463 \\ \underline{424} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$4703 \div 59 = 79 \text{ remainder } 42$$

$$\begin{array}{r} 79 \\ 59 \overline{) 4703} \\ \underline{413} \\ 573 \\ \underline{531} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$4703 \div 61 = 77 \text{ remainder } 6$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4703} \\ \underline{427} \\ 433 \\ \underline{427} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4703 \div 67 = 70 \text{ remainder } 13$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4703} \\ \underline{469} \\ 13 \\ 0 \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

P₆₃₆ 4721

$$4721 \div 2 = 2360 \text{ remainder } 1$$

$$\begin{array}{r} 2360 \\ 2 \mid 4721 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 3 = 1573 \text{ remainder } 2$$

$$\begin{array}{r} 1573 \\ 3 \mid 4721 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 22 \\ \underline{21} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 5 = 944 \text{ remainder } 1$$

$$\begin{array}{r} 944 \\ 5 \mid 4721 \\ \underline{45} \\ - - \end{array}$$

```

22
20
--
21
20
--
1 ← remainder

```

$$4721 \div 7 = 674 \text{ remainder } 3$$

```

    674
7 | 4721
   42
   --
   52
   49
   --
   31
   28
   --
   3 ← remainder

```

$$4721 \div 11 = 429 \text{ remainder } 2$$

```

    429
11 | 4721
   44
   --
   32
   22
   --
  101
   99
   --
   2 ← remainder

```

$$4721 \div 13 = 363 \text{ remainder } 2$$

```

    363
13 | 4721
   39
   --
   82
   78

```

```

--
41
39
--
2 ← remainder

```

$$4721 \div 17 = 277 \text{ remainder } 12$$

```

      277
17 | 4721
    34
    --
    132
    119
    ---
    131
    119
    ---
    12 ← remainder

```

$$4721 \div 19 = 248 \text{ remainder } 9$$

```

      248
19 | 4721
    38
    --
    92
    76
    --
    161
    152
    ---
    9 ← remainder

```

$$4721 \div 23 = 205 \text{ remainder } 6$$

```

      205
23 | 4721
    46
    --
    12
    0
    -
    121

```

115

6 ← remainder

$$4721 \div 29 = 162 \text{ remainder } 23$$

162
29 | 4721
29

--

182

174

81

58

--

23 ← remainder

$$4721 \div 31 = 152 \text{ remainder } 9$$

152
31 | 4721
31

--

162

155

71

62

--

9 ← remainder

$$4721 \div 37 = 127 \text{ remainder } 22$$

127
37 | 4721
37

--

102

74

--

281

259

22 ← remainder

$$4721 \div 41 = 115 \text{ remainder } 6$$

```
    115
41 | 4721
    41
    --
    62
    41
    --
    211
    205
    ---
    6 ← remainder
```

$$4721 \div 43 = 109 \text{ remainder } 34$$

```
    109
43 | 4721
    43
    --
    42
    0
    -
    421
    387
    ---
    34 ← remainder
```

$$4721 \div 47 = 100 \text{ remainder } 21$$

```
    100
47 | 4721
    47
    --
    2
    0
    -
    21
    0
    -
    21 ← remainder
```

$$4721 \div 53 = 89 \text{ remainder } 4$$

$$\begin{array}{r} 89 \\ 53 \mid 4721 \\ \underline{424} \\ 481 \\ \underline{477} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 59 = 80 \text{ remainder } 1$$

$$\begin{array}{r} 80 \\ 59 \mid 4721 \\ \underline{472} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 61 = 77 \text{ remainder } 24$$

$$\begin{array}{r} 77 \\ 61 \mid 4721 \\ \underline{427} \\ 451 \\ \underline{427} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$4721 \div 67 = 70 \text{ remainder } 31$$

$$\begin{array}{r} 70 \\ 67 \mid 4721 \\ \underline{469} \\ 31 \\ \underline{0} \\ 31 \leftarrow \text{remainder} \end{array}$$

P₆₃₇ 4723

$$4723 \div 2 = 2361 \text{ remainder } 1$$

$$\begin{array}{r} 2361 \\ 2 \mid 4723 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 3 = 1574 \text{ remainder } 1$$

$$\begin{array}{r} 1574 \\ 3 \mid 4723 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 22 \\ \underline{21} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 5 = 944 \text{ remainder } 3$$

$$\begin{array}{r} 944 \\ 5 \mid 4723 \\ \underline{45} \\ - - \end{array}$$

```

22
20
--
23
20
--
3 ← remainder

```

$$4723 \div 7 = 674 \text{ remainder } 5$$

```

    674
7 | 4723
   42
   --
   52
   49
   --
   33
   28
   --
   5 ← remainder

```

$$4723 \div 11 = 429 \text{ remainder } 4$$

```

    429
11 | 4723
   44
   --
   32
   22
   --
  103
   99
   --
   4 ← remainder

```

$$4723 \div 13 = 363 \text{ remainder } 4$$

```

    363
13 | 4723
   39
   --
   82
   78

```

```

--
43
39
--
4 ← remainder

```

$$4723 \div 17 = 277 \text{ remainder } 14$$

```

      277
17 | 4723
    34
    --
    132
    119
    ---
    133
    119
    ---
    14 ← remainder

```

$$4723 \div 19 = 248 \text{ remainder } 11$$

```

      248
19 | 4723
    38
    --
    92
    76
    --
    163
    152
    ---
    11 ← remainder

```

$$4723 \div 23 = 205 \text{ remainder } 8$$

```

      205
23 | 4723
    46
    --
    12
    0
    -
    123

```

115

8 ← remainder

$$4723 \div 29 = 162 \text{ remainder } 25$$

162
29 | 4723
29

--

182

174

83

58

--

25 ← remainder

$$4723 \div 31 = 152 \text{ remainder } 11$$

152
31 | 4723
31

--

162

155

73

62

--

11 ← remainder

$$4723 \div 37 = 127 \text{ remainder } 24$$

127
37 | 4723
37

--

102

74

--

283

259

24 ← remainder

$$4723 \div 41 = 115 \text{ remainder } 8$$

```
      115
41 | 4723
    41
    --
    62
    41
    --
    213
    205
    ---
    8 ← remainder
```

$$4723 \div 43 = 109 \text{ remainder } 36$$

```
      109
43 | 4723
    43
    --
    42
    0
    -
    423
    387
    ---
    36 ← remainder
```

$$4723 \div 47 = 100 \text{ remainder } 23$$

```
      100
47 | 4723
    47
    --
    2
    0
    -
    23
    0
    -
    23 ← remainder
```

$$4723 \div 53 = 89 \text{ remainder } 6$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4723} \\ \underline{424} \\ 483 \\ \underline{477} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 59 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4723} \\ \underline{472} \\ 3 \\ \underline{0} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 61 = 77 \text{ remainder } 26$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4723} \\ \underline{427} \\ 453 \\ \underline{427} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4723 \div 67 = 70 \text{ remainder } 33$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4723} \\ \underline{469} \\ 33 \\ \underline{0} \\ 33 \leftarrow \text{remainder} \end{array}$$

P₆₃₈ 4729

$$4729 \div 2 = 2364 \text{ remainder } 1$$

$$\begin{array}{r} 2364 \\ 2 \mid 4729 \\ 4 \\ - \\ 7 \\ 6 \\ - \\ 12 \\ 12 \\ - - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 3 = 1576 \text{ remainder } 1$$

$$\begin{array}{r} 1576 \\ 3 \mid 4729 \\ 3 \\ - \\ 17 \\ 15 \\ - - \\ 22 \\ 21 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 5 = 945 \text{ remainder } 4$$

$$\begin{array}{r} 945 \\ 5 \mid 4729 \\ 45 \\ - - \end{array}$$

22
 20
 --
 29
 25
 --
 4 ← remainder

$$4729 \div 7 = 675 \text{ remainder } 4$$

675
 7 | 4729
 42
 --
 52
 49
 --
 39
 35
 --
 4 ← remainder

$$4729 \div 11 = 429 \text{ remainder } 10$$

429
 11 | 4729
 44
 --
 32
 22
 --
 109
 99
 --
 10 ← remainder

$$4729 \div 13 = 363 \text{ remainder } 10$$

363
 13 | 4729
 39
 --
 82
 78

```

--
49
39
--
10 ← remainder

```

$$4729 \div 17 = 278 \text{ remainder } 3$$

```

      278
17 | 4729
    34
    --
    132
    119
    ---
    139
    136
    ---
    3 ← remainder

```

$$4729 \div 19 = 248 \text{ remainder } 17$$

```

      248
19 | 4729
    38
    --
    92
    76
    --
    169
    152
    ---
    17 ← remainder

```

$$4729 \div 23 = 205 \text{ remainder } 14$$

```

      205
23 | 4729
    46
    --
    12
    0
    -
    129

```

115

14 \leftarrow remainder

$$4729 \div 29 = 163 \text{ remainder } 2$$

163

29 | 4729

29

--

182

174

89

87

--

2 \leftarrow remainder

$$4729 \div 31 = 152 \text{ remainder } 17$$

152

31 | 4729

31

--

162

155

79

62

--

17 \leftarrow remainder

$$4729 \div 37 = 127 \text{ remainder } 30$$

127

37 | 4729

37

--

102

74

--

289

259

30 ← remainder

$$4729 \div 41 = 115 \text{ remainder } 14$$

115
41 | 4729
41
--
62
41
--
219
205

14 ← remainder

$$4729 \div 43 = 109 \text{ remainder } 42$$

109
43 | 4729
43
--
42
0
-
429
387

42 ← remainder

$$4729 \div 47 = 100 \text{ remainder } 29$$

100
47 | 4729
47
--
2
0
-
29
0
-
29 ← remainder

$$4729 \div 53 = 89 \text{ remainder } 12$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4729} \\ \underline{424} \\ 489 \\ \underline{477} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 59 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4729} \\ \underline{472} \\ 9 \\ \underline{0} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 61 = 77 \text{ remainder } 32$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4729} \\ \underline{427} \\ 459 \\ \underline{427} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4729 \div 67 = 70 \text{ remainder } 39$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4729} \\ \underline{469} \\ 39 \\ \underline{0} \\ 39 \leftarrow \text{remainder} \end{array}$$

P₆₃₉ 4733

$$4733 \div 2 = 2366 \text{ remainder } 1$$

$$\begin{array}{r} 2366 \\ 2 \mid 4733 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 3 = 1577 \text{ remainder } 2$$

$$\begin{array}{r} 1577 \\ 3 \mid 4733 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - \\ 23 \\ \underline{21} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 5 = 946 \text{ remainder } 3$$

$$\begin{array}{r} 946 \\ 5 \mid 4733 \\ \underline{45} \\ - \end{array}$$

```

23
20
--
33
30
--
3 ← remainder

```

$$4733 \div 7 = 676 \text{ remainder } 1$$

```

    676
7 | 4733
   42
   --
   53
   49
   --
   43
   42
   --
   1 ← remainder

```

$$4733 \div 11 = 430 \text{ remainder } 3$$

```

    430
11 | 4733
   44
   --
   33
   33
   --
   3
   0
   -
   3 ← remainder

```

$$4733 \div 13 = 364 \text{ remainder } 1$$

```

    364
13 | 4733
   39
   --
   83
   78

```



```

--
53
52
--
1 ← remainder

```

$$4733 \div 17 = 278 \text{ remainder } 7$$

```

      278
17 | 4733
    34
    --
    133
    119
    ---
    143
    136
    ---
    7 ← remainder

```

$$4733 \div 19 = 249 \text{ remainder } 2$$

```

      249
19 | 4733
    38
    --
    93
    76
    --
    173
    171
    ---
    2 ← remainder

```

$$4733 \div 23 = 205 \text{ remainder } 18$$

```

      205
23 | 4733
    46
    --
    13
    0
    -
    133

```

115

18 ← remainder

$$4733 \div 29 = 163 \text{ remainder } 6$$

163

29 | 4733

29

--

183

174

93

87

--

6 ← remainder

$$4733 \div 31 = 152 \text{ remainder } 21$$

152

31 | 4733

31

--

163

155

83

62

--

21 ← remainder

$$4733 \div 37 = 127 \text{ remainder } 34$$

127

37 | 4733

37

--

103

74

--

293

259

34 ← remainder

$$4733 \div 41 = 115 \text{ remainder } 18$$

```
      115
41 | 4733
    41
    --
    63
    41
    --
    223
    205
    ---
    18 ← remainder
```

$$4733 \div 43 = 110 \text{ remainder } 3$$

```
      110
43 | 4733
    43
    --
    43
    43
    --
     3
     0
     -
     3 ← remainder
```

$$4733 \div 47 = 100 \text{ remainder } 33$$

```
      100
47 | 4733
    47
    --
     3
     0
     -
    33
     0
     -
    33 ← remainder
```

$$4733 \div 53 = 89 \text{ remainder } 16$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4733} \\ \underline{424} \\ 493 \\ \underline{477} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 59 = 80 \text{ remainder } 13$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4733} \\ \underline{472} \\ 13 \\ \underline{0} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 61 = 77 \text{ remainder } 36$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4733} \\ \underline{427} \\ 463 \\ \underline{427} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4733 \div 67 = 70 \text{ remainder } 43$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4733} \\ \underline{469} \\ 43 \\ \underline{0} \\ 43 \leftarrow \text{remainder} \end{array}$$

P₆₄₀ 4751

$$4751 \div 2 = 2375 \text{ remainder } 1$$

$$\begin{array}{r} 2375 \\ 2 \overline{) 4751} \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4751 \div 3 = 1583 \text{ remainder } 2$$

$$\begin{array}{r} 1583 \\ 3 \overline{) 4751} \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - \\ 25 \\ \underline{24} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4751 \div 5 = 950 \text{ remainder } 1$$

$$\begin{array}{r} 950 \\ 5 \overline{) 4751} \\ \underline{45} \\ - \end{array}$$

```

25
25
--
1
0
-
1 ← remainder

```

$$4751 \div 7 = 678 \text{ remainder } 5$$

```

    678
7 | 4751
   42
   --
   55
   49
   --
   61
   56
   --
   5 ← remainder

```

$$4751 \div 11 = 431 \text{ remainder } 10$$

```

    431
11 | 4751
   44
   --
   35
   33
   --
   21
   11
   --
  10 ← remainder

```

$$4751 \div 13 = 365 \text{ remainder } 6$$

```

    365
13 | 4751
   39
   --
   85
   78

```

```

--
71
65
--
6 ← remainder

```

$$4751 \div 17 = 279 \text{ remainder } 8$$

```

279
17 | 4751
   34
   --
   135
   119
   ---
   161
   153
   ---
   8 ← remainder

```

$$4751 \div 19 = 250 \text{ remainder } 1$$

```

250
19 | 4751
   38
   --
   95
   95
   --
   1
   0
   -
   1 ← remainder

```

$$4751 \div 23 = 206 \text{ remainder } 13$$

```

206
23 | 4751
   46
   --
   15
   0
   -
   151

```

138

 13 ← remainder

$$4751 \div 29 = 163 \text{ remainder } 24$$

163
 29 | 4751
 29
 --
 185
 174

 111
 87
 --
 24 ← remainder

$$4751 \div 31 = 153 \text{ remainder } 8$$

153
 31 | 4751
 31
 --
 165
 155

 101
 93
 --
 8 ← remainder

$$4751 \div 37 = 128 \text{ remainder } 15$$

128
 37 | 4751
 37
 --
 105
 74
 --
 311
 296

15 ← remainder

$$4751 \div 41 = 115 \text{ remainder } 36$$

```
      115
41 | 4751
    41
    --
    65
    41
    --
    241
    205
    ---
    36 ← remainder
```

$$4751 \div 43 = 110 \text{ remainder } 21$$

```
      110
43 | 4751
    43
    --
    45
    43
    --
    21
    0
    -
    21 ← remainder
```

$$4751 \div 47 = 101 \text{ remainder } 4$$

```
      101
47 | 4751
    47
    --
    5
    0
    -
    51
    47
    --
    4 ← remainder
```

$$4751 \div 53 = 89 \text{ remainder } 34$$

$$\begin{array}{r} 89 \\ 53 \overline{) 4751} \\ \underline{424} \\ 511 \\ \underline{477} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4751 \div 59 = 80 \text{ remainder } 31$$

$$\begin{array}{r} 80 \\ 59 \overline{) 4751} \\ \underline{472} \\ 31 \\ \underline{0} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4751 \div 61 = 77 \text{ remainder } 54$$

$$\begin{array}{r} 77 \\ 61 \overline{) 4751} \\ \underline{427} \\ 481 \\ \underline{427} \\ 54 \leftarrow \text{remainder} \end{array}$$

$$4751 \div 67 = 70 \text{ remainder } 61$$

$$\begin{array}{r} 70 \\ 67 \overline{) 4751} \\ \underline{469} \\ 61 \\ \underline{0} \\ 61 \leftarrow \text{remainder} \end{array}$$

P₆₄₁ 4759

$$4759 \div 2 = 2379 \text{ remainder } 1$$

$$\begin{array}{r} 2379 \\ 2 \mid 4759 \\ 4 \\ - \\ 7 \\ 6 \\ - \\ 15 \\ 14 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4759 \div 3 = 1586 \text{ remainder } 1$$

$$\begin{array}{r} 1586 \\ 3 \mid 4759 \\ 3 \\ - \\ 17 \\ 15 \\ - - \\ 25 \\ 24 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4759 \div 5 = 951 \text{ remainder } 4$$

$$\begin{array}{r} 951 \\ 5 \mid 4759 \\ 45 \\ - - \end{array}$$

```

25
25
--
9
5
-
4 ← remainder

```

$$4759 \div 7 = 679 \text{ remainder } 6$$

```

679
7 | 4759
42
--
55
49
--
69
63
--
6 ← remainder

```

$$4759 \div 11 = 432 \text{ remainder } 7$$

```

432
11 | 4759
44
--
35
33
--
29
22
--
7 ← remainder

```

$$4759 \div 13 = 366 \text{ remainder } 1$$

```

366
13 | 4759
39
--
85
78

```

```

--
79
78
--
1 ← remainder

```

$$4759 \div 17 = 279 \text{ remainder } 16$$

```

279
17 | 4759
   34
   --
   135
   119
   ---
   169
   153
   ---
   16 ← remainder

```

$$4759 \div 19 = 250 \text{ remainder } 9$$

```

250
19 | 4759
   38
   --
   95
   95
   --
   9
   0
   -
   9 ← remainder

```

$$4759 \div 23 = 206 \text{ remainder } 21$$

```

206
23 | 4759
   46
   --
   15
   0
   -
   159

```

138

21 ← remainder

$$4759 \div 29 = 164 \text{ remainder } 3$$

164

29 | 4759

29

--

185

174

119

116

3 ← remainder

$$4759 \div 31 = 153 \text{ remainder } 16$$

153

31 | 4759

31

--

165

155

109

93

--

16 ← remainder

$$4759 \div 37 = 128 \text{ remainder } 23$$

128

37 | 4759

37

--

105

74

--

319

296

23 ← remainder

$$4759 \div 41 = 116 \text{ remainder } 3$$

```
      116
41 | 4759
    41
    --
    65
    41
    --
    249
    246
    ---
    3 ← remainder
```

$$4759 \div 43 = 110 \text{ remainder } 29$$

```
      110
43 | 4759
    43
    --
    45
    43
    --
    29
    0
    -
    29 ← remainder
```

$$4759 \div 47 = 101 \text{ remainder } 12$$

```
      101
47 | 4759
    47
    --
    5
    0
    -
    59
    47
    --
    12 ← remainder
```

$$4759 \div 53 = 89 \text{ remainder } 42$$

$$\begin{array}{r}
 89 \\
 53 \mid 4759 \\
 \underline{424} \\
 519 \\
 \underline{477} \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$4759 \div 59 = 80 \text{ remainder } 39$$

$$\begin{array}{r}
 80 \\
 59 \mid 4759 \\
 \underline{472} \\
 39 \\
 0 \\
 - \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$4759 \div 61 = 78 \text{ remainder } 1$$

$$\begin{array}{r}
 78 \\
 61 \mid 4759 \\
 \underline{427} \\
 489 \\
 \underline{488} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$4759 \div 67 = 71 \text{ remainder } 2$$

$$\begin{array}{r}
 71 \\
 67 \mid 4759 \\
 \underline{469} \\
 69 \\
 \underline{67} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

P₆₄₂ 4783

$$4783 \div 2 = 2391 \text{ remainder } 1$$

$$\begin{array}{r} 2391 \\ 2 \overline{) 4783} \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 3 = 1594 \text{ remainder } 1$$

$$\begin{array}{r} 1594 \\ 3 \overline{) 4783} \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 5 = 956 \text{ remainder } 3$$

$$\begin{array}{r} 956 \\ 5 \overline{) 4783} \\ \underline{45} \\ -- \end{array}$$

```

28
25
--
33
30
--
3 ← remainder

```

$$4783 \div 7 = 683 \text{ remainder } 2$$

```

    683
7 | 4783
  42
  --
   58
   56
   --
   23
   21
   --
   2 ← remainder

```

$$4783 \div 11 = 434 \text{ remainder } 9$$

```

    434
11 | 4783
   44
   --
   38
   33
   --
   53
   44
   --
   9 ← remainder

```

$$4783 \div 13 = 367 \text{ remainder } 12$$

```

    367
13 | 4783
   39
   --
   88
   78

```

```

--
103
91
--
12 ← remainder

```

$$4783 \div 17 = 281 \text{ remainder } 6$$

```

      281
17 | 4783
    34
    --
    138
    136
    ---
     23
     17
     --
     6 ← remainder

```

$$4783 \div 19 = 251 \text{ remainder } 14$$

```

      251
19 | 4783
    38
    --
    98
    95
    --
    33
    19
    --
    14 ← remainder

```

$$4783 \div 23 = 207 \text{ remainder } 22$$

```

      207
23 | 4783
    46
    --
    18
    0
    -
    183

```

161

 22 ← remainder

$$4783 \div 29 = 164 \text{ remainder } 27$$

164
 29 | 4783
 29
 --
 188
 174

 143
 116

 27 ← remainder

$$4783 \div 31 = 154 \text{ remainder } 9$$

154
 31 | 4783
 31
 --
 168
 155

 133
 124

 9 ← remainder

$$4783 \div 37 = 129 \text{ remainder } 10$$

129
 37 | 4783
 37
 --
 108
 74
 --
 343
 333

10 ← remainder

$$4783 \div 41 = 116 \text{ remainder } 27$$

```
      116
41 | 4783
    41
    --
    68
    41
    --
    273
    246
    ---
    27 ← remainder
```

$$4783 \div 43 = 111 \text{ remainder } 10$$

```
      111
43 | 4783
    43
    --
    48
    43
    --
    53
    43
    --
    10 ← remainder
```

$$4783 \div 47 = 101 \text{ remainder } 36$$

```
      101
47 | 4783
    47
    --
     8
     0
     -
    83
    47
    --
    36 ← remainder
```

$$4783 \div 53 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 53 \mid 4783 \\ \underline{477} \\ 13 \\ 0 \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 59 = 81 \text{ remainder } 4$$

$$\begin{array}{r} 81 \\ 59 \mid 4783 \\ \underline{472} \\ 63 \\ \underline{59} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 61 = 78 \text{ remainder } 25$$

$$\begin{array}{r} 78 \\ 61 \mid 4783 \\ \underline{427} \\ 513 \\ \underline{488} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$4783 \div 67 = 71 \text{ remainder } 26$$

$$\begin{array}{r} 71 \\ 67 \mid 4783 \\ \underline{469} \\ 93 \\ \underline{67} \\ 26 \leftarrow \text{remainder} \end{array}$$

P₆₄₃ 4787

$$4787 \div 2 = 2393 \text{ remainder } 1$$

$$\begin{array}{r} 2393 \\ 2 \mid 4787 \\ 4 \\ - \\ 7 \\ 6 \\ - \\ 18 \\ 18 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 3 = 1595 \text{ remainder } 2$$

$$\begin{array}{r} 1595 \\ 3 \mid 4787 \\ 3 \\ - \\ 17 \\ 15 \\ - - \\ 28 \\ 27 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 5 = 957 \text{ remainder } 2$$

$$\begin{array}{r} 957 \\ 5 \mid 4787 \\ 45 \\ - - \end{array}$$

```

28
25
--
37
35
--
2 ← remainder

```

$$4787 \div 7 = 683 \text{ remainder } 6$$

```

    683
7 | 4787
   42
   --
   58
   56
   --
   27
   21
   --
   6 ← remainder

```

$$4787 \div 11 = 435 \text{ remainder } 2$$

```

    435
11 | 4787
   44
   --
   38
   33
   --
   57
   55
   --
   2 ← remainder

```

$$4787 \div 13 = 368 \text{ remainder } 3$$

```

    368
13 | 4787
   39
   --
   88
   78

```



```

--
107
104
---
3 ← remainder

```

$$4787 \div 17 = 281 \text{ remainder } 10$$

```

      281
17 | 4787
    34
    --
    138
    136
    ---
     27
     17
     --
     10 ← remainder

```

$$4787 \div 19 = 251 \text{ remainder } 18$$

```

      251
19 | 4787
    38
    --
    98
    95
    --
    37
    19
    --
    18 ← remainder

```

$$4787 \div 23 = 208 \text{ remainder } 3$$

```

      208
23 | 4787
    46
    --
    18
    0
    -
    187

```

184

 3 ← remainder

$$4787 \div 29 = 165 \text{ remainder } 2$$

165
 29 | 4787
 29
 --
 188
 174

 147
 145

 2 ← remainder

$$4787 \div 31 = 154 \text{ remainder } 13$$

154
 31 | 4787
 31
 --
 168
 155

 137
 124

 13 ← remainder

$$4787 \div 37 = 129 \text{ remainder } 14$$

129
 37 | 4787
 37
 --
 108
 74
 --
 347
 333

14 ← remainder

$$4787 \div 41 = 116 \text{ remainder } 31$$

```
      116
41 | 4787
    41
    --
    68
    41
    --
    277
    246
    ---
    31 ← remainder
```

$$4787 \div 43 = 111 \text{ remainder } 14$$

```
      111
43 | 4787
    43
    --
    48
    43
    --
    57
    43
    --
    14 ← remainder
```

$$4787 \div 47 = 101 \text{ remainder } 40$$

```
      101
47 | 4787
    47
    --
     8
     0
     -
    87
    47
    --
    40 ← remainder
```

$$4787 \div 53 = 90 \text{ remainder } 17$$

$$\begin{array}{r} 90 \\ 53 \mid 4787 \\ \underline{477} \\ 17 \\ 0 \\ - \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 59 = 81 \text{ remainder } 8$$

$$\begin{array}{r} 81 \\ 59 \mid 4787 \\ \underline{472} \\ 67 \\ \underline{59} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 61 = 78 \text{ remainder } 29$$

$$\begin{array}{r} 78 \\ 61 \mid 4787 \\ \underline{427} \\ 517 \\ \underline{488} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4787 \div 67 = 71 \text{ remainder } 30$$

$$\begin{array}{r} 71 \\ 67 \mid 4787 \\ \underline{469} \\ 97 \\ \underline{67} \\ 30 \leftarrow \text{remainder} \end{array}$$

P₆₄₄ 4789

$$4789 \div 2 = 2394 \text{ remainder } 1$$

$$\begin{array}{r} 2394 \\ 2 \overline{) 4789} \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 3 = 1596 \text{ remainder } 1$$

$$\begin{array}{r} 1596 \\ 3 \overline{) 4789} \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 5 = 957 \text{ remainder } 4$$

$$\begin{array}{r} 957 \\ 5 \overline{) 4789} \\ \underline{45} \\ - - \end{array}$$

```

28
25
--
39
35
--
4 ← remainder

```

$$4789 \div 7 = 684 \text{ remainder } 1$$

```

    684
7 | 4789
   42
   --
   58
   56
   --
   29
   28
   --
   1 ← remainder

```

$$4789 \div 11 = 435 \text{ remainder } 4$$

```

    435
11 | 4789
   44
   --
   38
   33
   --
   59
   55
   --
   4 ← remainder

```

$$4789 \div 13 = 368 \text{ remainder } 5$$

```

    368
13 | 4789
   39
   --
   88
   78

```

```

--
109
104
---
5 ← remainder

```

$$4789 \div 17 = 281 \text{ remainder } 12$$

```

      281
17 | 4789
    34
    --
    138
    136
    ---
     29
     17
     --
     12 ← remainder

```

$$4789 \div 19 = 252 \text{ remainder } 1$$

```

      252
19 | 4789
    38
    --
    98
    95
    --
    39
    38
    --
     1 ← remainder

```

$$4789 \div 23 = 208 \text{ remainder } 5$$

```

      208
23 | 4789
    46
    --
    18
    0
    -
    189

```

184

 5 ← remainder

$$4789 \div 29 = 165 \text{ remainder } 4$$

165
 29 | 4789
 29
 --
 188
 174

 149
 145

 4 ← remainder

$$4789 \div 31 = 154 \text{ remainder } 15$$

154
 31 | 4789
 31
 --
 168
 155

 139
 124

 15 ← remainder

$$4789 \div 37 = 129 \text{ remainder } 16$$

129
 37 | 4789
 37
 --
 108
 74
 --
 349
 333

16 ← remainder

$$4789 \div 41 = 116 \text{ remainder } 33$$

```
      116
41 | 4789
    41
    --
    68
    41
    --
    279
    246
    ---
    33 ← remainder
```

$$4789 \div 43 = 111 \text{ remainder } 16$$

```
      111
43 | 4789
    43
    --
    48
    43
    --
    59
    43
    --
    16 ← remainder
```

$$4789 \div 47 = 101 \text{ remainder } 42$$

```
      101
47 | 4789
    47
    --
     8
     0
     -
    89
    47
    --
    42 ← remainder
```

$$4789 \div 53 = 90 \text{ remainder } 19$$

$$\begin{array}{r} 90 \\ 53 \mid 4789 \\ \underline{477} \\ 19 \\ 0 \\ - \\ 19 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 59 = 81 \text{ remainder } 10$$

$$\begin{array}{r} 81 \\ 59 \mid 4789 \\ \underline{472} \\ 69 \\ \underline{59} \\ 10 \\ - \\ 10 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 61 = 78 \text{ remainder } 31$$

$$\begin{array}{r} 78 \\ 61 \mid 4789 \\ \underline{427} \\ 519 \\ \underline{488} \\ 31 \\ - \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4789 \div 67 = 71 \text{ remainder } 32$$

$$\begin{array}{r} 71 \\ 67 \mid 4789 \\ \underline{469} \\ 99 \\ \underline{67} \\ 32 \\ - \\ 32 \leftarrow \text{remainder} \end{array}$$

P₆₄₅ 4793

$$4793 \div 2 = 2396 \text{ remainder } 1$$

$$\begin{array}{r} 2396 \\ 2 \mid 4793 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 3 = 1597 \text{ remainder } 2$$

$$\begin{array}{r} 1597 \\ 3 \mid 4793 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - \\ 29 \\ \underline{27} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 5 = 958 \text{ remainder } 3$$

$$\begin{array}{r} 958 \\ 5 \mid 4793 \\ \underline{45} \\ - \end{array}$$

```

29
25
--
43
40
--
3 ← remainder

```

$$4793 \div 7 = 684 \text{ remainder } 5$$

```

    684
7 | 4793
   42
   --
   59
   56
   --
   33
   28
   --
   5 ← remainder

```

$$4793 \div 11 = 435 \text{ remainder } 8$$

```

    435
11 | 4793
   44
   --
   39
   33
   --
   63
   55
   --
   8 ← remainder

```

$$4793 \div 13 = 368 \text{ remainder } 9$$

```

    368
13 | 4793
   39
   --
   89
   78

```

```

--
113
104
---
9 ← remainder

```

$$4793 \div 17 = 281 \text{ remainder } 16$$

```

      281
17 | 4793
    34
    --
    139
    136
    ---
     33
     17
     --
     16 ← remainder

```

$$4793 \div 19 = 252 \text{ remainder } 5$$

```

      252
19 | 4793
    38
    --
    99
    95
    --
    43
    38
    --
     5 ← remainder

```

$$4793 \div 23 = 208 \text{ remainder } 9$$

```

      208
23 | 4793
    46
    --
    19
    0
    -
    193

```

184

 9 ← remainder

$$4793 \div 29 = 165 \text{ remainder } 8$$

165
 29 | 4793
 29
 --
 189
 174

 153
 145

 8 ← remainder

$$4793 \div 31 = 154 \text{ remainder } 19$$

154
 31 | 4793
 31
 --
 169
 155

 143
 124

 19 ← remainder

$$4793 \div 37 = 129 \text{ remainder } 20$$

129
 37 | 4793
 37
 --
 109
 74
 --
 353
 333

20 ← remainder

$$4793 \div 41 = 116 \text{ remainder } 37$$

```
      116
41 | 4793
    41
    --
    69
    41
    --
    283
    246
    ---
    37 ← remainder
```

$$4793 \div 43 = 111 \text{ remainder } 20$$

```
      111
43 | 4793
    43
    --
    49
    43
    --
    63
    43
    --
    20 ← remainder
```

$$4793 \div 47 = 101 \text{ remainder } 46$$

```
      101
47 | 4793
    47
    --
     9
     0
     -
    93
    47
    --
    46 ← remainder
```

$$4793 \div 53 = 90 \text{ remainder } 23$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4793} \\ \underline{477} \\ 23 \\ 0 \\ - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 59 = 81 \text{ remainder } 14$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4793} \\ \underline{472} \\ 73 \\ \underline{59} \\ 14 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 61 = 78 \text{ remainder } 35$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4793} \\ \underline{427} \\ 523 \\ \underline{488} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$4793 \div 67 = 71 \text{ remainder } 36$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4793} \\ \underline{469} \\ 103 \\ \underline{67} \\ 36 \leftarrow \text{remainder} \end{array}$$

P₆₄₆ 4799

$$4799 \div 2 = 2399 \text{ remainder } 1$$

$$\begin{array}{r} 2399 \\ 2 \mid 4799 \\ 4 \\ - \\ 7 \\ 6 \\ - \\ 19 \\ 18 \\ - \\ 19 \\ 18 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 3 = 1599 \text{ remainder } 2$$

$$\begin{array}{r} 1599 \\ 3 \mid 4799 \\ 3 \\ - \\ 17 \\ 15 \\ - \\ 29 \\ 27 \\ - \\ 29 \\ 27 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 5 = 959 \text{ remainder } 4$$

$$\begin{array}{r} 959 \\ 5 \mid 4799 \\ 45 \\ - \\ \end{array}$$

```

29
25
--
49
45
--
4 ← remainder

```

$$4799 \div 7 = 685 \text{ remainder } 4$$

```

    685
7 | 4799
  42
  --
   59
   56
   --
   39
   35
   --
   4 ← remainder

```

$$4799 \div 11 = 436 \text{ remainder } 3$$

```

    436
11 | 4799
   44
   --
   39
   33
   --
   69
   66
   --
   3 ← remainder

```

$$4799 \div 13 = 369 \text{ remainder } 2$$

```

    369
13 | 4799
   39
   --
   89
   78

```

```

--
119
117
---
2 ← remainder

```

$$4799 \div 17 = 282 \text{ remainder } 5$$

```

      282
17 | 4799
    34
    --
    139
    136
    ---
     39
     34
     --
     5 ← remainder

```

$$4799 \div 19 = 252 \text{ remainder } 11$$

```

      252
19 | 4799
    38
    --
    99
    95
    --
    49
    38
    --
    11 ← remainder

```

$$4799 \div 23 = 208 \text{ remainder } 15$$

```

      208
23 | 4799
    46
    --
    19
    0
    -
    199

```

184

15 ← remainder

$$4799 \div 29 = 165 \text{ remainder } 14$$

165

29 | 4799

29

--

189

174

159

145

14 ← remainder

$$4799 \div 31 = 154 \text{ remainder } 25$$

154

31 | 4799

31

--

169

155

149

124

25 ← remainder

$$4799 \div 37 = 129 \text{ remainder } 26$$

129

37 | 4799

37

--

109

74

--

359

333

26 ← remainder

$$4799 \div 41 = 117 \text{ remainder } 2$$

```
    117
41 | 4799
    41
    --
    69
    41
    --
    289
    287
    ---
    2 ← remainder
```

$$4799 \div 43 = 111 \text{ remainder } 26$$

```
    111
43 | 4799
    43
    --
    49
    43
    --
    69
    43
    --
    26 ← remainder
```

$$4799 \div 47 = 102 \text{ remainder } 5$$

```
    102
47 | 4799
    47
    --
     9
     0
     -
    99
    94
    --
     5 ← remainder
```

$$4799 \div 53 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 53 \mid 4799 \\ \underline{477} \\ - - - \\ 29 \\ 0 \\ - \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 59 = 81 \text{ remainder } 20$$

$$\begin{array}{r} 81 \\ 59 \mid 4799 \\ \underline{472} \\ - - - \\ 79 \\ 59 \\ - - \\ 20 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 61 = 78 \text{ remainder } 41$$

$$\begin{array}{r} 78 \\ 61 \mid 4799 \\ \underline{427} \\ - - - \\ 529 \\ 488 \\ - - - \\ 41 \leftarrow \text{remainder} \end{array}$$

$$4799 \div 67 = 71 \text{ remainder } 42$$

$$\begin{array}{r} 71 \\ 67 \mid 4799 \\ \underline{469} \\ - - - \\ 109 \\ 67 \\ - - \\ 42 \leftarrow \text{remainder} \end{array}$$

P₆₄₇ 4801

$$4801 \div 2 = 2400 \text{ remainder } 1$$

$$\begin{array}{r} 2400 \\ 2 \mid 4801 \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 3 = 1600 \text{ remainder } 1$$

$$\begin{array}{r} 1600 \\ 3 \mid 4801 \\ \underline{3} \\ - \\ 18 \\ \underline{18} \\ - - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 5 = 960 \text{ remainder } 1$$

$$\begin{array}{r} 960 \\ 5 \mid 4801 \\ \underline{45} \\ - - \end{array}$$

```

30
30
--
1
0
-
1 ← remainder

```

$$4801 \div 7 = 685 \text{ remainder } 6$$

```

685
7 | 4801
42
--
60
56
--
41
35
--
6 ← remainder

```

$$4801 \div 11 = 436 \text{ remainder } 5$$

```

436
11 | 4801
44
--
40
33
--
71
66
--
5 ← remainder

```

$$4801 \div 13 = 369 \text{ remainder } 4$$

```

369
13 | 4801
39
--
90
78

```



```

--
121
117
---
4 ← remainder

```

$$4801 \div 17 = 282 \text{ remainder } 7$$

```

      282
17 | 4801
    34
    --
    140
    136
    ---
     41
     34
     --
     7 ← remainder

```

$$4801 \div 19 = 252 \text{ remainder } 13$$

```

      252
19 | 4801
    38
    --
    100
    95
    --
     51
     38
     --
     13 ← remainder

```

$$4801 \div 23 = 208 \text{ remainder } 17$$

```

      208
23 | 4801
    46
    --
     20
     0
     -
     201

```

184

17 ← remainder

$$4801 \div 29 = 165 \text{ remainder } 16$$

165

29 | 4801

29

--

190

174

161

145

16 ← remainder

$$4801 \div 31 = 154 \text{ remainder } 27$$

154

31 | 4801

31

--

170

155

151

124

27 ← remainder

$$4801 \div 37 = 129 \text{ remainder } 28$$

129

37 | 4801

37

--

110

74

--

361

333

28 ← remainder

$$4801 \div 41 = 117 \text{ remainder } 4$$

```
      117
41 | 4801
    41
    --
    70
    41
    --
    291
    287
    ---
    4 ← remainder
```

$$4801 \div 43 = 111 \text{ remainder } 28$$

```
      111
43 | 4801
    43
    --
    50
    43
    --
    71
    43
    --
    28 ← remainder
```

$$4801 \div 47 = 102 \text{ remainder } 7$$

```
      102
47 | 4801
    47
    --
    10
    0
    -
    101
    94
    --
    7 ← remainder
```

$$4801 \div 53 = 90 \text{ remainder } 31$$

$$\begin{array}{r} 90 \\ 53 \mid 4801 \\ \underline{477} \\ 31 \\ 0 \\ - \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 59 = 81 \text{ remainder } 22$$

$$\begin{array}{r} 81 \\ 59 \mid 4801 \\ \underline{472} \\ 81 \\ \underline{59} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 61 = 78 \text{ remainder } 43$$

$$\begin{array}{r} 78 \\ 61 \mid 4801 \\ \underline{427} \\ 531 \\ \underline{488} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$4801 \div 67 = 71 \text{ remainder } 44$$

$$\begin{array}{r} 71 \\ 67 \mid 4801 \\ \underline{469} \\ 111 \\ \underline{67} \\ 44 \leftarrow \text{remainder} \end{array}$$

P₆₄₈ 4813

$$4813 \div 2 = 2406 \text{ remainder } 1$$

$$\begin{array}{r} 2406 \\ 2 \mid 4813 \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4813 \div 3 = 1604 \text{ remainder } 1$$

$$\begin{array}{r} 1604 \\ 3 \mid 4813 \\ \underline{3} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4813 \div 5 = 962 \text{ remainder } 3$$

$$\begin{array}{r} 962 \\ 5 \mid 4813 \\ \underline{45} \\ - - \end{array}$$

```

31
30
--
13
10
--
3 ← remainder

```

$$4813 \div 7 = 687 \text{ remainder } 4$$

```

    687
7 | 4813
   42
   --
    61
    56
    --
    53
    49
    --
    4 ← remainder

```

$$4813 \div 11 = 437 \text{ remainder } 6$$

```

    437
11 | 4813
    44
    --
    41
    33
    --
    83
    77
    --
    6 ← remainder

```

$$4813 \div 13 = 370 \text{ remainder } 3$$

```

    370
13 | 4813
    39
    --
    91
    91

```

```

--
3
0
-
3 ← remainder

```

$$4813 \div 17 = 283 \text{ remainder } 2$$

```

      283
17 | 4813
    34
    --
    141
    136
    ---
     53
     51
     --
     2 ← remainder

```

$$4813 \div 19 = 253 \text{ remainder } 6$$

```

      253
19 | 4813
    38
    --
    101
    95
    --
     63
     57
     --
     6 ← remainder

```

$$4813 \div 23 = 209 \text{ remainder } 6$$

```

      209
23 | 4813
    46
    --
     21
     0
     -
    213

```

207

6 ← remainder

$$4813 \div 29 = 165 \text{ remainder } 28$$

165
29 | 4813
29

--

191

174

173

145

28 ← remainder

$$4813 \div 31 = 155 \text{ remainder } 8$$

155
31 | 4813
31

--

171

155

163

155

8 ← remainder

$$4813 \div 37 = 130 \text{ remainder } 3$$

130
37 | 4813
37

--

111

111

3

0

-
3 ← remainder

$$4813 \div 41 = 117 \text{ remainder } 16$$

```
      117
41 | 4813
    41
    --
    71
    41
    --
    303
    287
    ---
    16 ← remainder
```

$$4813 \div 43 = 111 \text{ remainder } 40$$

```
      111
43 | 4813
    43
    --
    51
    43
    --
    83
    43
    --
    40 ← remainder
```

$$4813 \div 47 = 102 \text{ remainder } 19$$

```
      102
47 | 4813
    47
    --
    11
    0
    -
    113
    94
    --
    19 ← remainder
```

$$4813 \div 53 = 90 \text{ remainder } 43$$

$$\begin{array}{r} 90 \\ 53 \overline{) 4813} \\ \underline{477} \\ 43 \\ 0 \\ - \\ 43 \leftarrow \text{remainder} \end{array}$$

$$4813 \div 59 = 81 \text{ remainder } 34$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4813} \\ \underline{472} \\ 93 \\ \underline{59} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$4813 \div 61 = 78 \text{ remainder } 55$$

$$\begin{array}{r} 78 \\ 61 \overline{) 4813} \\ \underline{427} \\ 543 \\ \underline{488} \\ 55 \leftarrow \text{remainder} \end{array}$$

$$4813 \div 67 = 71 \text{ remainder } 56$$

$$\begin{array}{r} 71 \\ 67 \overline{) 4813} \\ \underline{469} \\ 123 \\ \underline{67} \\ 56 \leftarrow \text{remainder} \end{array}$$

P₆₄₉ 4817

$$4817 \div 2 = 2408 \text{ remainder } 1$$

$$\begin{array}{r} 2408 \\ 2 \mid 4817 \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 3 = 1605 \text{ remainder } 2$$

$$\begin{array}{r} 1605 \\ 3 \mid 4817 \\ \underline{3} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 5 = 963 \text{ remainder } 2$$

$$\begin{array}{r} 963 \\ 5 \mid 4817 \\ \underline{45} \\ - - \end{array}$$

```

31
30
--
17
15
--
2 ← remainder

```

$$4817 \div 7 = 688 \text{ remainder } 1$$

```

      688
7 | 4817
  42
  --
   61
   56
   --
   57
   56
   --
   1 ← remainder

```

$$4817 \div 11 = 437 \text{ remainder } 10$$

```

      437
11 | 4817
   44
   --
   41
   33
   --
   87
   77
   --
  10 ← remainder

```

$$4817 \div 13 = 370 \text{ remainder } 7$$

```

      370
13 | 4817
   39
   --
   91
   91

```

```

--
7
0
-
7 ← remainder

```

$$4817 \div 17 = 283 \text{ remainder } 6$$

```

      283
17 | 4817
    34
    --
    141
    136
    ---
     57
     51
     --
     6 ← remainder

```

$$4817 \div 19 = 253 \text{ remainder } 10$$

```

      253
19 | 4817
    38
    --
    101
    95
    --
     67
     57
     --
     10 ← remainder

```

$$4817 \div 23 = 209 \text{ remainder } 10$$

```

      209
23 | 4817
    46
    --
     21
     0
     -
    217

```

207

10 ← remainder

$$4817 \div 29 = 166 \text{ remainder } 3$$

166

29 | 4817

29

--

191

174

177

174

3 ← remainder

$$4817 \div 31 = 155 \text{ remainder } 12$$

155

31 | 4817

31

--

171

155

167

155

12 ← remainder

$$4817 \div 37 = 130 \text{ remainder } 7$$

130

37 | 4817

37

--

111

111

7

0

-
7 ← remainder

$$4817 \div 41 = 117 \text{ remainder } 20$$

```
      117
41 | 4817
    41
    --
    71
    41
    --
    307
    287
    ---
    20 ← remainder
```

$$4817 \div 43 = 112 \text{ remainder } 1$$

```
      112
43 | 4817
    43
    --
    51
    43
    --
    87
    86
    --
    1 ← remainder
```

$$4817 \div 47 = 102 \text{ remainder } 23$$

```
      102
47 | 4817
    47
    --
    11
    0
    -
    117
    94
    --
    23 ← remainder
```

$$4817 \div 53 = 90 \text{ remainder } 47$$

$$\begin{array}{r} 90 \\ 53 \mid 4817 \\ \underline{477} \\ - - - \\ 47 \\ 0 \\ - \\ 47 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 59 = 81 \text{ remainder } 38$$

$$\begin{array}{r} 81 \\ 59 \mid 4817 \\ \underline{472} \\ - - - \\ 97 \\ \underline{59} \\ - - \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 61 = 78 \text{ remainder } 59$$

$$\begin{array}{r} 78 \\ 61 \mid 4817 \\ \underline{427} \\ - - - \\ 547 \\ \underline{488} \\ - - - \\ 59 \leftarrow \text{remainder} \end{array}$$

$$4817 \div 67 = 71 \text{ remainder } 60$$

$$\begin{array}{r} 71 \\ 67 \mid 4817 \\ \underline{469} \\ - - - \\ 127 \\ \underline{67} \\ - - \\ 60 \leftarrow \text{remainder} \end{array}$$

P₆₅₀ 4831

$$4831 \div 2 = 2415 \text{ remainder } 1$$

$$\begin{array}{r} 2415 \\ 2 \mid 4831 \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4831 \div 3 = 1610 \text{ remainder } 1$$

$$\begin{array}{r} 1610 \\ 3 \mid 4831 \\ \underline{3} \\ - \\ 18 \\ \underline{18} \\ - - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4831 \div 5 = 966 \text{ remainder } 1$$

$$\begin{array}{r} 966 \\ 5 \mid 4831 \\ \underline{45} \\ - - \end{array}$$

```

33
30
--
31
30
--
1 ← remainder

```

$$4831 \div 7 = 690 \text{ remainder } 1$$

```

690
7 | 4831
42
--
63
63
--
1
0
-
1 ← remainder

```

$$4831 \div 11 = 439 \text{ remainder } 2$$

```

439
11 | 4831
44
--
43
33
--
101
99
--
2 ← remainder

```

$$4831 \div 13 = 371 \text{ remainder } 8$$

```

371
13 | 4831
39
--
93
91

```

```

--
21
13
--
8 ← remainder

```

$$4831 \div 17 = 284 \text{ remainder } 3$$

```

      284
17 | 4831
    34
    --
    143
    136
    ---
     71
     68
     --
     3 ← remainder

```

$$4831 \div 19 = 254 \text{ remainder } 5$$

```

      254
19 | 4831
    38
    --
    103
    95
    --
     81
     76
     --
     5 ← remainder

```

$$4831 \div 23 = 210 \text{ remainder } 1$$

```

      210
23 | 4831
    46
    --
     23
     23
     --
     1

```

0
-
1 ← remainder

$$4831 \div 29 = 166 \text{ remainder } 17$$

```

      166
29 | 4831
    29
    --
    193
    174
    ---
    191
    174
    ---
    17 ← remainder

```

$$4831 \div 31 = 155 \text{ remainder } 26$$

```

      155
31 | 4831
    31
    --
    173
    155
    ---
    181
    155
    ---
    26 ← remainder

```

$$4831 \div 37 = 130 \text{ remainder } 21$$

```

      130
37 | 4831
    37
    --
    113
    111
    ---
    21
    0

```

-
21 ← remainder

$$4831 \div 41 = 117 \text{ remainder } 34$$

```
      117
41 | 4831
    41
    --
    73
    41
    --
    321
    287
    ---
    34 ← remainder
```

$$4831 \div 43 = 112 \text{ remainder } 15$$

```
      112
43 | 4831
    43
    --
    53
    43
    --
    101
    86
    --
    15 ← remainder
```

$$4831 \div 47 = 102 \text{ remainder } 37$$

```
      102
47 | 4831
    47
    --
    13
    0
    -
    131
    94
    --
    37 ← remainder
```

$$4831 \div 53 = 91 \text{ remainder } 8$$

$$\begin{array}{r} 91 \\ 53 \overline{) 4831} \\ \underline{477} \\ 61 \\ \underline{53} \\ 8 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 59 = 81 \text{ remainder } 52$$

$$\begin{array}{r} 81 \\ 59 \overline{) 4831} \\ \underline{472} \\ 111 \\ \underline{59} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 61 = 79 \text{ remainder } 12$$

$$\begin{array}{r} 79 \\ 61 \overline{) 4831} \\ \underline{427} \\ 561 \\ \underline{549} \\ 12 \end{array} \leftarrow \text{remainder}$$

$$4831 \div 67 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4831} \\ \underline{469} \\ 141 \\ \underline{134} \\ 7 \end{array} \leftarrow \text{remainder}$$

P₆₅₁ 4861

$$4861 \div 2 = 2430 \text{ remainder } 1$$

$$\begin{array}{r} 2430 \\ 2 \mid 4861 \\ 4 \\ - \\ 8 \\ 8 \\ - \\ 6 \\ 6 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4861 \div 3 = 1620 \text{ remainder } 1$$

$$\begin{array}{r} 1620 \\ 3 \mid 4861 \\ 3 \\ - \\ 18 \\ 18 \\ - - \\ 6 \\ 6 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4861 \div 5 = 972 \text{ remainder } 1$$

$$\begin{array}{r} 972 \\ 5 \mid 4861 \\ 45 \\ - - \end{array}$$

```

36
35
--
11
10
--
1 ← remainder

```

$$4861 \div 7 = 694 \text{ remainder } 3$$

```

    694
7 | 4861
   42
   --
    66
    63
    --
    31
    28
    --
    3 ← remainder

```

$$4861 \div 11 = 441 \text{ remainder } 10$$

```

    441
11 | 4861
    44
    --
    46
    44
    --
    21
    11
    --
    10 ← remainder

```

$$4861 \div 13 = 373 \text{ remainder } 12$$

```

    373
13 | 4861
    39
    --
    96
    91

```



```

--
51
39
--
12 ← remainder

```

$$4861 \div 17 = 285 \text{ remainder } 16$$

```

      285
17 | 4861
    34
    --
    146
    136
    ---
    101
    85
    --
    16 ← remainder

```

$$4861 \div 19 = 255 \text{ remainder } 16$$

```

      255
19 | 4861
    38
    --
    106
    95
    --
    111
    95
    --
    16 ← remainder

```

$$4861 \div 23 = 211 \text{ remainder } 8$$

```

      211
23 | 4861
    46
    --
    26
    23
    --
    31

```

23
 --
 8 ← remainder

$$4861 \div 29 = 167 \text{ remainder } 18$$

167
 29 | 4861
 29
 --
 196
 174

 221
 203

 18 ← remainder

$$4861 \div 31 = 156 \text{ remainder } 25$$

156
 31 | 4861
 31
 --
 176
 155

 211
 186

 25 ← remainder

$$4861 \div 37 = 131 \text{ remainder } 14$$

131
 37 | 4861
 37
 --
 116
 111

 51
 37

--
14 ← remainder

$$4861 \div 41 = 118 \text{ remainder } 23$$

118
41 | 4861
41
--
76
41
--
351
328

23 ← remainder

$$4861 \div 43 = 113 \text{ remainder } 2$$

113
43 | 4861
43
--
56
43
--
131
129

2 ← remainder

$$4861 \div 47 = 103 \text{ remainder } 20$$

103
47 | 4861
47
--
16
0
-
161
141

20 ← remainder

$$4861 \div 53 = 91 \text{ remainder } 38$$

$$\begin{array}{r} 91 \\ 53 \overline{) 4861} \\ \underline{477} \\ 91 \\ \underline{53} \\ 38 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 59 = 82 \text{ remainder } 23$$

$$\begin{array}{r} 82 \\ 59 \overline{) 4861} \\ \underline{472} \\ 141 \\ \underline{118} \\ 23 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 61 = 79 \text{ remainder } 42$$

$$\begin{array}{r} 79 \\ 61 \overline{) 4861} \\ \underline{427} \\ 591 \\ \underline{549} \\ 42 \end{array} \leftarrow \text{remainder}$$

$$4861 \div 67 = 72 \text{ remainder } 37$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4861} \\ \underline{469} \\ 171 \\ \underline{134} \\ 37 \end{array} \leftarrow \text{remainder}$$

P₆₅₂ 4871

$$4871 \div 2 = 2435 \text{ remainder } 1$$

$$\begin{array}{r} 2435 \\ 2 \mid 4871 \\ 4 \\ - \\ 8 \\ 8 \\ - \\ 7 \\ 6 \\ - \\ 11 \\ 10 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 3 = 1623 \text{ remainder } 2$$

$$\begin{array}{r} 1623 \\ 3 \mid 4871 \\ 3 \\ - \\ 18 \\ 18 \\ - - \\ 7 \\ 6 \\ - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 5 = 974 \text{ remainder } 1$$

$$\begin{array}{r} 974 \\ 5 \mid 4871 \\ 45 \\ - - \end{array}$$

```

37
35
--
21
20
--
1 ← remainder

```

$$4871 \div 7 = 695 \text{ remainder } 6$$

```

    695
7 | 4871
   42
   --
    67
    63
    --
    41
    35
    --
    6 ← remainder

```

$$4871 \div 11 = 442 \text{ remainder } 9$$

```

    442
11 | 4871
    44
    --
    47
    44
    --
    31
    22
    --
    9 ← remainder

```

$$4871 \div 13 = 374 \text{ remainder } 9$$

```

    374
13 | 4871
    39
    --
    97
    91

```

```

--
61
52
--
9 ← remainder

```

$$4871 \div 17 = 286 \text{ remainder } 9$$

```

      286
17 | 4871
    34
    --
    147
    136
    ---
    111
    102
    ---
    9 ← remainder

```

$$4871 \div 19 = 256 \text{ remainder } 7$$

```

      256
19 | 4871
    38
    --
    107
    95
    --
    121
    114
    ---
    7 ← remainder

```

$$4871 \div 23 = 211 \text{ remainder } 18$$

```

      211
23 | 4871
    46
    --
    27
    23
    --
    41

```

23
 --
 18 ← remainder

$$4871 \div 29 = 167 \text{ remainder } 28$$

167
 29 | 4871
 29
 --
 197
 174

 231
 203

 28 ← remainder

$$4871 \div 31 = 157 \text{ remainder } 4$$

157
 31 | 4871
 31
 --
 177
 155

 221
 217

 4 ← remainder

$$4871 \div 37 = 131 \text{ remainder } 24$$

131
 37 | 4871
 37
 --
 117
 111

 61
 37

--
24 ← remainder

$$4871 \div 41 = 118 \text{ remainder } 33$$

118
41 | 4871
41
--
77
41
--
361
328

33 ← remainder

$$4871 \div 43 = 113 \text{ remainder } 12$$

113
43 | 4871
43
--
57
43
--
141
129

12 ← remainder

$$4871 \div 47 = 103 \text{ remainder } 30$$

103
47 | 4871
47
--
17
0
-
171
141

30 ← remainder

$$4871 \div 53 = 91 \text{ remainder } 48$$

$$\begin{array}{r} 91 \\ 53 \overline{) 4871} \\ \underline{477} \\ 101 \\ \underline{53} \\ 48 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 59 = 82 \text{ remainder } 33$$

$$\begin{array}{r} 82 \\ 59 \overline{) 4871} \\ \underline{472} \\ 151 \\ \underline{118} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 61 = 79 \text{ remainder } 52$$

$$\begin{array}{r} 79 \\ 61 \overline{) 4871} \\ \underline{427} \\ 601 \\ \underline{549} \\ 52 \leftarrow \text{remainder} \end{array}$$

$$4871 \div 67 = 72 \text{ remainder } 47$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4871} \\ \underline{469} \\ 181 \\ \underline{134} \\ 47 \leftarrow \text{remainder} \end{array}$$

P₆₅₃ 4877

$$4877 \div 2 = 2438 \text{ remainder } 1$$

$$\begin{array}{r} 2438 \\ 2 \mid 4877 \\ 4 \\ - \\ 8 \\ 8 \\ - \\ 7 \\ 6 \\ - \\ 17 \\ 16 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4877 \div 3 = 1625 \text{ remainder } 2$$

$$\begin{array}{r} 1625 \\ 3 \mid 4877 \\ 3 \\ - \\ 18 \\ 18 \\ - \\ 7 \\ 6 \\ - \\ 17 \\ 15 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4877 \div 5 = 975 \text{ remainder } 2$$

$$\begin{array}{r} 975 \\ 5 \mid 4877 \\ 45 \\ - \\ \end{array}$$

```

37
35
--
27
25
--
2 ← remainder

```

$$4877 \div 7 = 696 \text{ remainder } 5$$

```

    696
7 | 4877
  42
  --
   67
   63
   --
   47
   42
   --
   5 ← remainder

```

$$4877 \div 11 = 443 \text{ remainder } 4$$

```

    443
11 | 4877
   44
   --
   47
   44
   --
   37
   33
   --
   4 ← remainder

```

$$4877 \div 13 = 375 \text{ remainder } 2$$

```

    375
13 | 4877
   39
   --
   97
   91

```

```

--
67
65
--
2 ← remainder

```

$$4877 \div 17 = 286 \text{ remainder } 15$$

```

      286
17 | 4877
    34
    --
    147
    136
    ---
    117
    102
    ---
    15 ← remainder

```

$$4877 \div 19 = 256 \text{ remainder } 13$$

```

      256
19 | 4877
    38
    --
    107
    95
    --
    127
    114
    ---
    13 ← remainder

```

$$4877 \div 23 = 212 \text{ remainder } 1$$

```

      212
23 | 4877
    46
    --
    27
    23
    --
    47

```

46

--

1 ← remainder

$$4877 \div 29 = 168 \text{ remainder } 5$$

168

29 | 4877

29

--

197

174

237

232

5 ← remainder

$$4877 \div 31 = 157 \text{ remainder } 10$$

157

31 | 4877

31

--

177

155

227

217

10 ← remainder

$$4877 \div 37 = 131 \text{ remainder } 30$$

131

37 | 4877

37

--

117

111

67

37

--
30 ← remainder

$$4877 \div 41 = 118 \text{ remainder } 39$$

118
41 | 4877
41
--
77
41
--
367
328

39 ← remainder

$$4877 \div 43 = 113 \text{ remainder } 18$$

113
43 | 4877
43
--
57
43
--
147
129

18 ← remainder

$$4877 \div 47 = 103 \text{ remainder } 36$$

103
47 | 4877
47
--
17
0
-
177
141

36 ← remainder

$$4877 \div 53 = 92 \text{ remainder } 1$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4877} \\ \underline{477} \\ 107 \\ \underline{106} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 59 = 82 \text{ remainder } 39$$

$$\begin{array}{r} 82 \\ 59 \overline{) 4877} \\ \underline{472} \\ 157 \\ \underline{118} \\ 39 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 61 = 79 \text{ remainder } 58$$

$$\begin{array}{r} 79 \\ 61 \overline{) 4877} \\ \underline{427} \\ 607 \\ \underline{549} \\ 58 \end{array} \leftarrow \text{remainder}$$

$$4877 \div 67 = 72 \text{ remainder } 53$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4877} \\ \underline{469} \\ 187 \\ \underline{134} \\ 53 \end{array} \leftarrow \text{remainder}$$

P₆₅₄ 4889

$$4889 \div 2 = 2444 \text{ remainder } 1$$

$$\begin{array}{r} 2444 \\ 2 \mid 4889 \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4889 \div 3 = 1629 \text{ remainder } 2$$

$$\begin{array}{r} 1629 \\ 3 \mid 4889 \\ \underline{3} \\ - \\ 18 \\ \underline{18} \\ - - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4889 \div 5 = 977 \text{ remainder } 4$$

$$\begin{array}{r} 977 \\ 5 \mid 4889 \\ \underline{45} \\ - - \end{array}$$

```

38
35
--
39
35
--
4 ← remainder

```

$$4889 \div 7 = 698 \text{ remainder } 3$$

```

698
7 | 4889
42
--
68
63
--
59
56
--
3 ← remainder

```

$$4889 \div 11 = 444 \text{ remainder } 5$$

```

444
11 | 4889
44
--
48
44
--
49
44
--
5 ← remainder

```

$$4889 \div 13 = 376 \text{ remainder } 1$$

```

376
13 | 4889
39
--
98
91

```

```

--
79
78
--
1 ← remainder

```

$$4889 \div 17 = 287 \text{ remainder } 10$$

```

      287
17 | 4889
    34
    --
    148
    136
    ---
    129
    119
    ---
    10 ← remainder

```

$$4889 \div 19 = 257 \text{ remainder } 6$$

```

      257
19 | 4889
    38
    --
    108
    95
    --
    139
    133
    ---
    6 ← remainder

```

$$4889 \div 23 = 212 \text{ remainder } 13$$

```

      212
23 | 4889
    46
    --
    28
    23
    --
    59

```

46

--

13 ← remainder

$$4889 \div 29 = 168 \text{ remainder } 17$$

168

29 | 4889

29

--

198

174

249

232

17 ← remainder

$$4889 \div 31 = 157 \text{ remainder } 22$$

157

31 | 4889

31

--

178

155

239

217

22 ← remainder

$$4889 \div 37 = 132 \text{ remainder } 5$$

132

37 | 4889

37

--

118

111

79

74

--
5 ← remainder

$$4889 \div 41 = 119 \text{ remainder } 10$$

```
      119
41 | 4889
    41
    --
    78
    41
    --
    379
    369
    ---
    10 ← remainder
```

$$4889 \div 43 = 113 \text{ remainder } 30$$

```
      113
43 | 4889
    43
    --
    58
    43
    --
    159
    129
    ---
    30 ← remainder
```

$$4889 \div 47 = 104 \text{ remainder } 1$$

```
      104
47 | 4889
    47
    --
    18
    0
    -
    189
    188
    ---
    1 ← remainder
```

$$4889 \div 53 = 92 \text{ remainder } 13$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4889} \\ \underline{477} \\ 119 \\ \underline{106} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$4889 \div 59 = 82 \text{ remainder } 51$$

$$\begin{array}{r} 82 \\ 59 \overline{) 4889} \\ \underline{472} \\ 169 \\ \underline{118} \\ 51 \leftarrow \text{remainder} \end{array}$$

$$4889 \div 61 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4889} \\ \underline{488} \\ 9 \\ \underline{0} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$4889 \div 67 = 72 \text{ remainder } 65$$

$$\begin{array}{r} 72 \\ 67 \overline{) 4889} \\ \underline{469} \\ 199 \\ \underline{134} \\ 65 \leftarrow \text{remainder} \end{array}$$

P₆₅₅ 4903

$$4903 \div 2 = 2451 \text{ remainder } 1$$

$$\begin{array}{r} 2451 \\ 2 \mid 4903 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 10 \\ 10 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4903 \div 3 = 1634 \text{ remainder } 1$$

$$\begin{array}{r} 1634 \\ 3 \mid 4903 \\ 3 \\ - \\ 19 \\ 18 \\ - - \\ 10 \\ 9 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4903 \div 5 = 980 \text{ remainder } 3$$

$$\begin{array}{r} 980 \\ 5 \mid 4903 \\ 45 \\ - - \end{array}$$

```

40
40
--
3
0
-
3 ← remainder

```

$$4903 \div 7 = 700 \text{ remainder } 3$$

```

    700
7 | 4903
   49
   --
   0
   0
   -
   3
   0
   -
   3 ← remainder

```

$$4903 \div 11 = 445 \text{ remainder } 8$$

```

    445
11 | 4903
   44
   --
   50
   44
   --
   63
   55
   --
   8 ← remainder

```

$$4903 \div 13 = 377 \text{ remainder } 2$$

```

    377
13 | 4903
   39
   --
  100
   91

```



```

--
93
91
--
2 ← remainder

```

$$4903 \div 17 = 288 \text{ remainder } 7$$

```

      288
17 | 4903
    34
    --
    150
    136
    ---
    143
    136
    ---
    7 ← remainder

```

$$4903 \div 19 = 258 \text{ remainder } 1$$

```

      258
19 | 4903
    38
    --
    110
    95
    --
    153
    152
    ---
    1 ← remainder

```

$$4903 \div 23 = 213 \text{ remainder } 4$$

```

      213
23 | 4903
    46
    --
    30
    23
    --
    73

```

69
 --
 4 ← remainder

$$4903 \div 29 = 169 \text{ remainder } 2$$

169
 29 | 4903
 29
 --
 200
 174

 263
 261

 2 ← remainder

$$4903 \div 31 = 158 \text{ remainder } 5$$

158
 31 | 4903
 31
 --
 180
 155

 253
 248

 5 ← remainder

$$4903 \div 37 = 132 \text{ remainder } 19$$

132
 37 | 4903
 37
 --
 120
 111

 93
 74

--
19 ← remainder

$$4903 \div 41 = 119 \text{ remainder } 24$$

119
41 | 4903
41
--
80
41
--
393
369

24 ← remainder

$$4903 \div 43 = 114 \text{ remainder } 1$$

114
43 | 4903
43
--
60
43
--
173
172

1 ← remainder

$$4903 \div 47 = 104 \text{ remainder } 15$$

104
47 | 4903
47
--
20
0
-
203
188

15 ← remainder

$$4903 \div 53 = 92 \text{ remainder } 27$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4903} \\ \underline{477} \\ 133 \\ \underline{106} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$4903 \div 59 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4903} \\ \underline{472} \\ 183 \\ \underline{177} \\ 6 \leftarrow \text{remainder} \end{array}$$

$$4903 \div 61 = 80 \text{ remainder } 23$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4903} \\ \underline{488} \\ 23 \\ \underline{0} \\ - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$4903 \div 67 = 73 \text{ remainder } 12$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4903} \\ \underline{469} \\ 213 \\ \underline{201} \\ 12 \leftarrow \text{remainder} \end{array}$$

P₆₅₆ 4909

$$4909 \div 2 = 2454 \text{ remainder } 1$$

$$\begin{array}{r} 2454 \\ 2 \mid 4909 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 10 \\ 10 \\ - - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 3 = 1636 \text{ remainder } 1$$

$$\begin{array}{r} 1636 \\ 3 \mid 4909 \\ 3 \\ - \\ 19 \\ 18 \\ - - \\ 10 \\ 9 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 5 = 981 \text{ remainder } 4$$

$$\begin{array}{r} 981 \\ 5 \mid 4909 \\ 45 \\ - - \end{array}$$

```

40
40
--
9
5
-
4 ← remainder

```

$$4909 \div 7 = 701 \text{ remainder } 2$$

```

  701
7 | 4909
  49
  --
  0
  0
  -
  9
  7
  -
  2 ← remainder

```

$$4909 \div 11 = 446 \text{ remainder } 3$$

```

  446
11 | 4909
   44
   --
   50
   44
   --
   69
   66
   --
   3 ← remainder

```

$$4909 \div 13 = 377 \text{ remainder } 8$$

```

  377
13 | 4909
   39
   --
  100
   91

```

```

--
99
91
--
8 ← remainder

```

$$4909 \div 17 = 288 \text{ remainder } 13$$

```

      288
17 | 4909
    34
    --
    150
    136
    ---
    149
    136
    ---
    13 ← remainder

```

$$4909 \div 19 = 258 \text{ remainder } 7$$

```

      258
19 | 4909
    38
    --
    110
    95
    --
    159
    152
    ---
    7 ← remainder

```

$$4909 \div 23 = 213 \text{ remainder } 10$$

```

      213
23 | 4909
    46
    --
    30
    23
    --
    79

```

69

--

10 ← remainder

$$4909 \div 29 = 169 \text{ remainder } 8$$

169

29 | 4909

29

--

200

174

269

261

8 ← remainder

$$4909 \div 31 = 158 \text{ remainder } 11$$

158

31 | 4909

31

--

180

155

259

248

11 ← remainder

$$4909 \div 37 = 132 \text{ remainder } 25$$

132

37 | 4909

37

--

120

111

99

74

--
25 ← remainder

$$4909 \div 41 = 119 \text{ remainder } 30$$

119
41 | 4909
41
--
80
41
--
399
369

30 ← remainder

$$4909 \div 43 = 114 \text{ remainder } 7$$

114
43 | 4909
43
--
60
43
--
179
172

7 ← remainder

$$4909 \div 47 = 104 \text{ remainder } 21$$

104
47 | 4909
47
--
20
0
-
209
188

21 ← remainder

$$4909 \div 53 = 92 \text{ remainder } 33$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4909} \\ \underline{477} \\ 139 \\ \underline{106} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 59 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4909} \\ \underline{472} \\ 189 \\ \underline{177} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 61 = 80 \text{ remainder } 29$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4909} \\ \underline{488} \\ 29 \\ \underline{0} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$4909 \div 67 = 73 \text{ remainder } 18$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4909} \\ \underline{469} \\ 219 \\ \underline{201} \\ 18 \leftarrow \text{remainder} \end{array}$$

P₆₅₇ 4919

$$4919 \div 2 = 2459 \text{ remainder } 1$$

$$\begin{array}{r} 2459 \\ 2 \mid 4919 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 11 \\ 10 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 3 = 1639 \text{ remainder } 2$$

$$\begin{array}{r} 1639 \\ 3 \mid 4919 \\ 3 \\ - \\ 19 \\ 18 \\ - - \\ 11 \\ 9 \\ - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 5 = 983 \text{ remainder } 4$$

$$\begin{array}{r} 983 \\ 5 \mid 4919 \\ 45 \\ - - \end{array}$$

```

41
40
--
19
15
--
4 ← remainder

```

$$4919 \div 7 = 702 \text{ remainder } 5$$

```

    702
7 | 4919
  49
  --
   1
   0
   -
  19
  14
  --
   5 ← remainder

```

$$4919 \div 11 = 447 \text{ remainder } 2$$

```

    447
11 | 4919
   44
   --
   51
   44
   --
   79
   77
   --
    2 ← remainder

```

$$4919 \div 13 = 378 \text{ remainder } 5$$

```

    378
13 | 4919
   39
   --
  101
   91

```

```

--
109
104
---
5 ← remainder

```

$$4919 \div 17 = 289 \text{ remainder } 6$$

```

      289
17 | 4919
    34
    --
    151
    136
    ---
    159
    153
    ---
    6 ← remainder

```

$$4919 \div 19 = 258 \text{ remainder } 17$$

```

      258
19 | 4919
    38
    --
    111
    95
    --
    169
    152
    ---
    17 ← remainder

```

$$4919 \div 23 = 213 \text{ remainder } 20$$

```

      213
23 | 4919
    46
    --
    31
    23
    --
    89

```

69

--

20 ← remainder

$$4919 \div 29 = 169 \text{ remainder } 18$$

169

29 | 4919

29

--

201

174

279

261

18 ← remainder

$$4919 \div 31 = 158 \text{ remainder } 21$$

158

31 | 4919

31

--

181

155

269

248

21 ← remainder

$$4919 \div 37 = 132 \text{ remainder } 35$$

132

37 | 4919

37

--

121

111

109

74

--
35 ← remainder

$$4919 \div 41 = 119 \text{ remainder } 40$$

119
41 | 4919
41
--
81
41
--
409
369

40 ← remainder

$$4919 \div 43 = 114 \text{ remainder } 17$$

114
43 | 4919
43
--
61
43
--
189
172

17 ← remainder

$$4919 \div 47 = 104 \text{ remainder } 31$$

104
47 | 4919
47
--
21
0
-
219
188

31 ← remainder

$$4919 \div 53 = 92 \text{ remainder } 43$$

$$\begin{array}{r} 92 \\ 53 \overline{) 4919} \\ \underline{477} \\ 149 \\ \underline{106} \\ 43 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 59 = 83 \text{ remainder } 22$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4919} \\ \underline{472} \\ 199 \\ \underline{177} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 61 = 80 \text{ remainder } 39$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4919} \\ \underline{488} \\ 39 \\ \underline{0} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$4919 \div 67 = 73 \text{ remainder } 28$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4919} \\ \underline{469} \\ 229 \\ \underline{201} \\ 28 \leftarrow \text{remainder} \end{array}$$

P₆₅₈ 4931

$$4931 \div 2 = 2465 \text{ remainder } 1$$

$$\begin{array}{r} 2465 \\ 2 \mid 4931 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 13 \\ 12 \\ - \\ 11 \\ 10 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4931 \div 3 = 1643 \text{ remainder } 2$$

$$\begin{array}{r} 1643 \\ 3 \mid 4931 \\ 3 \\ - \\ 19 \\ 18 \\ - \\ 13 \\ 12 \\ - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4931 \div 5 = 986 \text{ remainder } 1$$

$$\begin{array}{r} 986 \\ 5 \mid 4931 \\ 45 \\ - \\ \end{array}$$

```

43
40
--
31
30
--
1 ← remainder

```

$$4931 \div 7 = 704 \text{ remainder } 3$$

```

    704
7 | 4931
   49
   --
    3
    0
    -
    31
    28
    --
    3 ← remainder

```

$$4931 \div 11 = 448 \text{ remainder } 3$$

```

    448
11 | 4931
   44
   --
   53
   44
   --
   91
   88
   --
   3 ← remainder

```

$$4931 \div 13 = 379 \text{ remainder } 4$$

```

    379
13 | 4931
   39
   --
  103
   91

```

```

--
121
117
---
4 ← remainder

```

$$4931 \div 17 = 290 \text{ remainder } 1$$

```

290
17 | 4931
   34
   --
   153
   153
   ---
     1
     0
     -
     1 ← remainder

```

$$4931 \div 19 = 259 \text{ remainder } 10$$

```

259
19 | 4931
   38
   --
   113
   95
   --
   181
   171
   ---
    10 ← remainder

```

$$4931 \div 23 = 214 \text{ remainder } 9$$

```

214
23 | 4931
   46
   --
   33
   23
   --
   101

```

92
 --
 9 ← remainder

$$4931 \div 29 = 170 \text{ remainder } 1$$

170
 29 | 4931
 29
 --
 203
 203

 1
 0
 -
 1 ← remainder

$$4931 \div 31 = 159 \text{ remainder } 2$$

159
 31 | 4931
 31
 --
 183
 155

 281
 279

 2 ← remainder

$$4931 \div 37 = 133 \text{ remainder } 10$$

133
 37 | 4931
 37
 --
 123
 111

 121
 111

10 ← remainder

$$4931 \div 41 = 120 \text{ remainder } 11$$

```
      120
41 | 4931
    41
    --
    83
    82
    --
    11
    0
    -
    11 ← remainder
```

$$4931 \div 43 = 114 \text{ remainder } 29$$

```
      114
43 | 4931
    43
    --
    63
    43
    --
    201
    172
    ---
    29 ← remainder
```

$$4931 \div 47 = 104 \text{ remainder } 43$$

```
      104
47 | 4931
    47
    --
    23
    0
    -
    231
    188
    ---
    43 ← remainder
```

$$4931 \div 53 = 93 \text{ remainder } 2$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4931} \\ \underline{477} \\ 161 \\ \underline{159} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 59 = 83 \text{ remainder } 34$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4931} \\ \underline{472} \\ 211 \\ \underline{177} \\ 34 \end{array} \leftarrow \text{remainder}$$

$$4931 \div 61 = 80 \text{ remainder } 51$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4931} \\ \underline{488} \\ 51 \\ \underline{0} \\ - \end{array} \leftarrow \text{remainder}$$

$$4931 \div 67 = 73 \text{ remainder } 40$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4931} \\ \underline{469} \\ 241 \\ \underline{201} \\ 40 \end{array} \leftarrow \text{remainder}$$

P₆₅₉ 4933

$$4933 \div 2 = 2466 \text{ remainder } 1$$

$$\begin{array}{r} 2466 \\ 2 \mid 4933 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4933 \div 3 = 1644 \text{ remainder } 1$$

$$\begin{array}{r} 1644 \\ 3 \mid 4933 \\ 3 \\ - \\ 19 \\ 18 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4933 \div 5 = 986 \text{ remainder } 3$$

$$\begin{array}{r} 986 \\ 5 \mid 4933 \\ 45 \\ - \\ \end{array}$$

```

43
40
--
33
30
--
3 ← remainder

```

$$4933 \div 7 = 704 \text{ remainder } 5$$

```

    704
7 | 4933
  49
  --
   3
   0
   -
  33
  28
  --
   5 ← remainder

```

$$4933 \div 11 = 448 \text{ remainder } 5$$

```

    448
11 | 4933
   44
   --
   53
   44
   --
   93
   88
   --
    5 ← remainder

```

$$4933 \div 13 = 379 \text{ remainder } 6$$

```

    379
13 | 4933
   39
   --
  103
   91

```



```

--
123
117
---
6 ← remainder

```

$$4933 \div 17 = 290 \text{ remainder } 3$$

```

290
17 | 4933
   34
   --
   153
   153
   ---
    3
    0
    -
    3 ← remainder

```

$$4933 \div 19 = 259 \text{ remainder } 12$$

```

259
19 | 4933
   38
   --
   113
   95
   --
   183
   171
   ---
   12 ← remainder

```

$$4933 \div 23 = 214 \text{ remainder } 11$$

```

214
23 | 4933
   46
   --
   33
   23
   --
   103

```

92

--

11 ← remainder

$$4933 \div 29 = 170 \text{ remainder } 3$$

$$\begin{array}{r} 170 \\ 29 \overline{) 4933} \end{array}$$

29

--

203

203

3

0

-

3 ← remainder

$$4933 \div 31 = 159 \text{ remainder } 4$$

$$\begin{array}{r} 159 \\ 31 \overline{) 4933} \end{array}$$

31

--

183

155

283

279

4 ← remainder

$$4933 \div 37 = 133 \text{ remainder } 12$$

$$\begin{array}{r} 133 \\ 37 \overline{) 4933} \end{array}$$

37

--

123

111

123

111

12 ← remainder

$$4933 \div 41 = 120 \text{ remainder } 13$$

```
      120
41 | 4933
    41
    --
    83
    82
    --
    13
    0
    -
    13 ← remainder
```

$$4933 \div 43 = 114 \text{ remainder } 31$$

```
      114
43 | 4933
    43
    --
    63
    43
    --
    203
    172
    ---
    31 ← remainder
```

$$4933 \div 47 = 104 \text{ remainder } 45$$

```
      104
47 | 4933
    47
    --
    23
    0
    -
    233
    188
    ---
    45 ← remainder
```

$$4933 \div 53 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4933} \\ \underline{477} \\ 163 \\ \underline{159} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$4933 \div 59 = 83 \text{ remainder } 36$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4933} \\ \underline{472} \\ 213 \\ \underline{177} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$4933 \div 61 = 80 \text{ remainder } 53$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4933} \\ \underline{488} \\ 53 \\ \underline{0} \\ 53 \leftarrow \text{remainder} \end{array}$$

$$4933 \div 67 = 73 \text{ remainder } 42$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4933} \\ \underline{469} \\ 243 \\ \underline{201} \\ 42 \leftarrow \text{remainder} \end{array}$$

P₆₆₀ 4937

$$4937 \div 2 = 2468 \text{ remainder } 1$$

$$\begin{array}{r} 2468 \\ 2 \mid 4937 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 13 \\ 12 \\ - - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 3 = 1645 \text{ remainder } 2$$

$$\begin{array}{r} 1645 \\ 3 \mid 4937 \\ 3 \\ - \\ 19 \\ 18 \\ - - \\ 13 \\ 12 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 5 = 987 \text{ remainder } 2$$

$$\begin{array}{r} 987 \\ 5 \mid 4937 \\ 45 \\ - - \end{array}$$

```

43
40
--
37
35
--
2 ← remainder

```

$$4937 \div 7 = 705 \text{ remainder } 2$$

```

    705
7 | 4937
   49
   --
    3
    0
    -
    37
    35
    --
    2 ← remainder

```

$$4937 \div 11 = 448 \text{ remainder } 9$$

```

    448
11 | 4937
   44
   --
    53
    44
    --
    97
    88
    --
    9 ← remainder

```

$$4937 \div 13 = 379 \text{ remainder } 10$$

```

    379
13 | 4937
   39
   --
   103
    91

```

```

--
127
117
---
10 ← remainder

```

$$4937 \div 17 = 290 \text{ remainder } 7$$

```

290
17 | 4937
   34
   --
   153
   153
   ---
     7
     0
     -
     7 ← remainder

```

$$4937 \div 19 = 259 \text{ remainder } 16$$

```

259
19 | 4937
   38
   --
   113
   95
   --
   187
   171
   ---
   16 ← remainder

```

$$4937 \div 23 = 214 \text{ remainder } 15$$

```

214
23 | 4937
   46
   --
   33
   23
   --
   107

```

92

--

15 ← remainder

$$4937 \div 29 = 170 \text{ remainder } 7$$

```
      170
29 | 4937
    29
    --
    203
    203
    ---
     7
     0
     -
     7 ← remainder
```

$$4937 \div 31 = 159 \text{ remainder } 8$$

```
      159
31 | 4937
    31
    --
    183
    155
    ---
    287
    279
    ---
     8 ← remainder
```

$$4937 \div 37 = 133 \text{ remainder } 16$$

```
      133
37 | 4937
    37
    --
    123
    111
    ---
    127
    111
```

16 ← remainder

$$4937 \div 41 = 120 \text{ remainder } 17$$

```
      120
41 | 4937
    41
    --
    83
    82
    --
    17
    0
    -
    17 ← remainder
```

$$4937 \div 43 = 114 \text{ remainder } 35$$

```
      114
43 | 4937
    43
    --
    63
    43
    --
    207
    172
    ---
    35 ← remainder
```

$$4937 \div 47 = 105 \text{ remainder } 2$$

```
      105
47 | 4937
    47
    --
    23
    0
    -
    237
    235
    ---
    2 ← remainder
```

$$4937 \div 53 = 93 \text{ remainder } 8$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4937} \\ \underline{477} \\ 167 \\ \underline{159} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 59 = 83 \text{ remainder } 40$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4937} \\ \underline{472} \\ 217 \\ \underline{177} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 61 = 80 \text{ remainder } 57$$

$$\begin{array}{r} 80 \\ 61 \overline{) 4937} \\ \underline{488} \\ 57 \\ \underline{0} \\ 57 \leftarrow \text{remainder} \end{array}$$

$$4937 \div 67 = 73 \text{ remainder } 46$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4937} \\ \underline{469} \\ 247 \\ \underline{201} \\ 46 \leftarrow \text{remainder} \end{array}$$

P₆₆₁ 4943

$$4943 \div 2 = 2471 \text{ remainder } 1$$

$$\begin{array}{r} 2471 \\ 2 \mid 4943 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 14 \\ \underline{14} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4943 \div 3 = 1647 \text{ remainder } 2$$

$$\begin{array}{r} 1647 \\ 3 \mid 4943 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4943 \div 5 = 988 \text{ remainder } 3$$

$$\begin{array}{r} 988 \\ 5 \mid 4943 \\ \underline{45} \\ - - \end{array}$$

```

44
40
--
43
40
--
3 ← remainder

```

$$4943 \div 7 = 706 \text{ remainder } 1$$

```

    706
7 | 4943
   49
   --
    4
    0
    -
    43
    42
    --
    1 ← remainder

```

$$4943 \div 11 = 449 \text{ remainder } 4$$

```

    449
11 | 4943
   44
   --
   54
   44
   --
  103
   99
   --
    4 ← remainder

```

$$4943 \div 13 = 380 \text{ remainder } 3$$

```

    380
13 | 4943
   39
   --
  104
  104

```

```

  ---
  3
  0
  -
  3 ← remainder

```

$$4943 \div 17 = 290 \text{ remainder } 13$$

```

    290
17 | 4943
    34
    --
    154
    153
    ---
    13
    0
    -
    13 ← remainder

```

$$4943 \div 19 = 260 \text{ remainder } 3$$

```

    260
19 | 4943
    38
    --
    114
    114
    ---
    3
    0
    -
    3 ← remainder

```

$$4943 \div 23 = 214 \text{ remainder } 21$$

```

    214
23 | 4943
    46
    --
    34
    23
    --
    113

```

92

--

21 \leftarrow remainder

$$4943 \div 29 = 170 \text{ remainder } 13$$

```
      170
29 | 4943
    29
    --
    204
    203
    ---
     13
     0
     -
     13  $\leftarrow$  remainder
```

$$4943 \div 31 = 159 \text{ remainder } 14$$

```
      159
31 | 4943
    31
    --
    184
    155
    ---
     293
     279
     ---
      14  $\leftarrow$  remainder
```

$$4943 \div 37 = 133 \text{ remainder } 22$$

```
      133
37 | 4943
    37
    --
    124
    111
    ---
     133
     111
```

22 ← remainder

$$4943 \div 41 = 120 \text{ remainder } 23$$

```
      120
41 | 4943
    41
    --
    84
    82
    --
    23
    0
    -
    23 ← remainder
```

$$4943 \div 43 = 114 \text{ remainder } 41$$

```
      114
43 | 4943
    43
    --
    64
    43
    --
    213
    172
    ---
    41 ← remainder
```

$$4943 \div 47 = 105 \text{ remainder } 8$$

```
      105
47 | 4943
    47
    --
    24
    0
    -
    243
    235
    ---
    8 ← remainder
```

$$4943 \div 53 = 93 \text{ remainder } 14$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4943} \\ \underline{477} \\ 173 \\ \underline{159} \\ 14 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 59 = 83 \text{ remainder } 46$$

$$\begin{array}{r} 83 \\ 59 \overline{) 4943} \\ \underline{472} \\ 223 \\ \underline{177} \\ 46 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 61 = 81 \text{ remainder } 2$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4943} \\ \underline{488} \\ 63 \\ \underline{61} \\ 2 \end{array} \leftarrow \text{remainder}$$

$$4943 \div 67 = 73 \text{ remainder } 52$$

$$\begin{array}{r} 73 \\ 67 \overline{) 4943} \\ \underline{469} \\ 253 \\ \underline{201} \\ 52 \end{array} \leftarrow \text{remainder}$$

P₆₆₂ 4951

$$4951 \div 2 = 2475 \text{ remainder } 1$$

$$\begin{array}{r} 2475 \\ 2 \mid 4951 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 15 \\ 14 \\ - - \\ 11 \\ 10 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4951 \div 3 = 1650 \text{ remainder } 1$$

$$\begin{array}{r} 1650 \\ 3 \mid 4951 \\ 3 \\ - \\ 19 \\ 18 \\ - - \\ 15 \\ 15 \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4951 \div 5 = 990 \text{ remainder } 1$$

$$\begin{array}{r} 990 \\ 5 \mid 4951 \\ 45 \\ - - \end{array}$$

```

45
45
--
1
0
-
1 ← remainder

```

$4951 \div 7 = 707 \text{ remainder } 2$

```

    707
7 | 4951
   49
   --
    5
    0
    -
    51
    49
    --
    2 ← remainder

```

$4951 \div 11 = 450 \text{ remainder } 1$

```

    450
11 | 4951
   44
   --
    55
    55
    --
     1
     0
     -
     1 ← remainder

```

$4951 \div 13 = 380 \text{ remainder } 11$

```

    380
13 | 4951
   39
   --
   105
   104

```

```

---
11
0
-
11 ← remainder

```

$$4951 \div 17 = 291 \text{ remainder } 4$$

```

      291
17 | 4951
    34
    --
    155
    153
    ---
     21
     17
     --
      4 ← remainder

```

$$4951 \div 19 = 260 \text{ remainder } 11$$

```

      260
19 | 4951
    38
    --
    115
    114
    ---
     11
     0
     -
     11 ← remainder

```

$$4951 \div 23 = 215 \text{ remainder } 6$$

```

      215
23 | 4951
    46
    --
    35
    23
    --
    121

```

115

 6 ← remainder

$$4951 \div 29 = 170 \text{ remainder } 21$$

170
 29 | 4951
 29
 --
 205
 203

 21
 0
 -
 21 ← remainder

$$4951 \div 31 = 159 \text{ remainder } 22$$

159
 31 | 4951
 31
 --
 185
 155

 301
 279

 22 ← remainder

$$4951 \div 37 = 133 \text{ remainder } 30$$

133
 37 | 4951
 37
 --
 125
 111

 141
 111

30 ← remainder

$$4951 \div 41 = 120 \text{ remainder } 31$$

120
41 | 4951
41
--
85
82
--
31
0
-
31 ← remainder

$$4951 \div 43 = 115 \text{ remainder } 6$$

115
43 | 4951
43
--
65
43
--
221
215

6 ← remainder

$$4951 \div 47 = 105 \text{ remainder } 16$$

105
47 | 4951
47
--
25
0
-
251
235

16 ← remainder

$$4951 \div 53 = 93 \text{ remainder } 22$$

$$\begin{array}{r}
 93 \\
 53 \mid 4951 \\
 \underline{477} \\
 181 \\
 \underline{159} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$4951 \div 59 = 83 \text{ remainder } 54$$

$$\begin{array}{r}
 83 \\
 59 \mid 4951 \\
 \underline{472} \\
 231 \\
 \underline{177} \\
 54 \leftarrow \text{remainder}
 \end{array}$$

$$4951 \div 61 = 81 \text{ remainder } 10$$

$$\begin{array}{r}
 81 \\
 61 \mid 4951 \\
 \underline{488} \\
 71 \\
 \underline{61} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$4951 \div 67 = 73 \text{ remainder } 60$$

$$\begin{array}{r}
 73 \\
 67 \mid 4951 \\
 \underline{469} \\
 261 \\
 \underline{201} \\
 60 \leftarrow \text{remainder}
 \end{array}$$

P₆₆₃ 4957

$$4957 \div 2 = 2478 \text{ remainder } 1$$

$$\begin{array}{r} 2478 \\ 2 \mid 4957 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 15 \\ 14 \\ - - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4957 \div 3 = 1652 \text{ remainder } 1$$

$$\begin{array}{r} 1652 \\ 3 \mid 4957 \\ 3 \\ - \\ 19 \\ 18 \\ - - \\ 15 \\ 15 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4957 \div 5 = 991 \text{ remainder } 2$$

$$\begin{array}{r} 991 \\ 5 \mid 4957 \\ 45 \\ - - \end{array}$$

```

45
45
--
7
5
-
2 ← remainder

```

$4957 \div 7 = 708$ remainder 1

```

708
7 | 4957
49
--
5
0
-
57
56
--
1 ← remainder

```

$4957 \div 11 = 450$ remainder 7

```

450
11 | 4957
44
--
55
55
--
7
0
-
7 ← remainder

```

$4957 \div 13 = 381$ remainder 4

```

381
13 | 4957
39
--
105
104

```



```

---
17
13
--
4 ← remainder

```

$$4957 \div 17 = 291 \text{ remainder } 10$$

```

      291
17 | 4957
    34
    --
    155
    153
    ---
     27
     17
     --
     10 ← remainder

```

$$4957 \div 19 = 260 \text{ remainder } 17$$

```

      260
19 | 4957
    38
    --
    115
    114
    ---
     17
     0
     -
     17 ← remainder

```

$$4957 \div 23 = 215 \text{ remainder } 12$$

```

      215
23 | 4957
    46
    --
    35
    23
    --
    127

```

115

12 \leftarrow remainder

$$4957 \div 29 = 170 \text{ remainder } 27$$

170

29 | 4957

29

--

205

203

27

0

-

27 \leftarrow remainder

$$4957 \div 31 = 159 \text{ remainder } 28$$

159

31 | 4957

31

--

185

155

307

279

28 \leftarrow remainder

$$4957 \div 37 = 133 \text{ remainder } 36$$

133

37 | 4957

37

--

125

111

147

111

36 ← remainder

$$4957 \div 41 = 120 \text{ remainder } 37$$

```
      120
41 | 4957
    41
    --
    85
    82
    --
    37
    0
    -
    37 ← remainder
```

$$4957 \div 43 = 115 \text{ remainder } 12$$

```
      115
43 | 4957
    43
    --
    65
    43
    --
    227
    215
    ---
    12 ← remainder
```

$$4957 \div 47 = 105 \text{ remainder } 22$$

```
      105
47 | 4957
    47
    --
    25
    0
    -
    257
    235
    ---
    22 ← remainder
```

$$4957 \div 53 = 93 \text{ remainder } 28$$

$$\begin{array}{r}
 93 \\
 53 \mid 4957 \\
 \underline{477} \\
 187 \\
 \underline{159} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$4957 \div 59 = 84 \text{ remainder } 1$$

$$\begin{array}{r}
 84 \\
 59 \mid 4957 \\
 \underline{472} \\
 237 \\
 \underline{236} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$4957 \div 61 = 81 \text{ remainder } 16$$

$$\begin{array}{r}
 81 \\
 61 \mid 4957 \\
 \underline{488} \\
 77 \\
 \underline{61} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$4957 \div 67 = 73 \text{ remainder } 66$$

$$\begin{array}{r}
 73 \\
 67 \mid 4957 \\
 \underline{469} \\
 267 \\
 \underline{201} \\
 66 \leftarrow \text{remainder}
 \end{array}$$

P₆₆₄ 4967

$$4967 \div 2 = 2483 \text{ remainder } 1$$

$$\begin{array}{r} 2483 \\ 2 \mid 4967 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 16 \\ \underline{16} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 3 = 1655 \text{ remainder } 2$$

$$\begin{array}{r} 1655 \\ 3 \mid 4967 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 5 = 993 \text{ remainder } 2$$

$$\begin{array}{r} 993 \\ 5 \mid 4967 \\ \underline{45} \\ - - \end{array}$$

```

46
45
--
17
15
--
2 ← remainder

```

$$4967 \div 7 = 709 \text{ remainder } 4$$

```

    709
7 | 4967
  49
  --
   6
   0
   -
  67
  63
  --
   4 ← remainder

```

$$4967 \div 11 = 451 \text{ remainder } 6$$

```

    451
11 | 4967
   44
   --
   56
   55
   --
   17
   11
   --
    6 ← remainder

```

$$4967 \div 13 = 382 \text{ remainder } 1$$

```

    382
13 | 4967
   39
   --
  106
  104

```

```

---
27
26
--
1 ← remainder

```

$$4967 \div 17 = 292 \text{ remainder } 3$$

```

      292
17 | 4967
    34
    --
    156
    153
    ---
     37
     34
     --
     3 ← remainder

```

$$4967 \div 19 = 261 \text{ remainder } 8$$

```

      261
19 | 4967
    38
    --
    116
    114
    ---
     27
     19
     --
     8 ← remainder

```

$$4967 \div 23 = 215 \text{ remainder } 22$$

```

      215
23 | 4967
    46
    --
    36
    23
    --
    137

```

115

 22 ← remainder

$$4967 \div 29 = 171 \text{ remainder } 8$$

171
 29 | 4967
 29
 --
 206
 203

 37
 29
 --
 8 ← remainder

$$4967 \div 31 = 160 \text{ remainder } 7$$

160
 31 | 4967
 31
 --
 186
 186

 7
 0
 -
 7 ← remainder

$$4967 \div 37 = 134 \text{ remainder } 9$$

134
 37 | 4967
 37
 --
 126
 111

 157
 148

9 ← remainder

$$4967 \div 41 = 121 \text{ remainder } 6$$

```
      121
41 | 4967
    41
    --
    86
    82
    --
    47
    41
    --
    6 ← remainder
```

$$4967 \div 43 = 115 \text{ remainder } 22$$

```
      115
43 | 4967
    43
    --
    66
    43
    --
    237
    215
    ---
    22 ← remainder
```

$$4967 \div 47 = 105 \text{ remainder } 32$$

```
      105
47 | 4967
    47
    --
    26
    0
    -
    267
    235
    ---
    32 ← remainder
```

$$4967 \div 53 = 93 \text{ remainder } 38$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4967} \\ \underline{477} \\ 197 \\ \underline{159} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 59 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4967} \\ \underline{472} \\ 247 \\ \underline{236} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 61 = 81 \text{ remainder } 26$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4967} \\ \underline{488} \\ 87 \\ \underline{61} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$4967 \div 67 = 74 \text{ remainder } 9$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4967} \\ \underline{469} \\ 277 \\ \underline{268} \\ 9 \leftarrow \text{remainder} \end{array}$$

P₆₆₅ 4969

$$4969 \div 2 = 2484 \text{ remainder } 1$$

$$\begin{array}{r} 2484 \\ 2 \mid 4969 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4969 \div 3 = 1656 \text{ remainder } 1$$

$$\begin{array}{r} 1656 \\ 3 \mid 4969 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4969 \div 5 = 993 \text{ remainder } 4$$

$$\begin{array}{r} 993 \\ 5 \mid 4969 \\ \underline{45} \\ - - \end{array}$$

46
 45
 --
 19
 15
 --
 4 ← remainder

$$4969 \div 7 = 709 \text{ remainder } 6$$

709
 7 | 4969
 49
 --
 6
 0
 -
 69
 63
 --
 6 ← remainder

$$4969 \div 11 = 451 \text{ remainder } 8$$

451
 11 | 4969
 44
 --
 56
 55
 --
 19
 11
 --
 8 ← remainder

$$4969 \div 13 = 382 \text{ remainder } 3$$

382
 13 | 4969
 39
 --
 106
 104

```

  ---
  29
  26
  --
  3 ← remainder

```

$$4969 \div 17 = 292 \text{ remainder } 5$$

```

    292
17 | 4969
    34
    --
    156
    153
    ---
    39
    34
    --
    5 ← remainder

```

$$4969 \div 19 = 261 \text{ remainder } 10$$

```

    261
19 | 4969
    38
    --
    116
    114
    ---
    29
    19
    --
    10 ← remainder

```

$$4969 \div 23 = 216 \text{ remainder } 1$$

```

    216
23 | 4969
    46
    --
    36
    23
    --
    139

```

138

1 ← remainder

$$4969 \div 29 = 171 \text{ remainder } 10$$

171
29 | 4969

29

--

206

203

39

29

--

10 ← remainder

$$4969 \div 31 = 160 \text{ remainder } 9$$

160
31 | 4969

31

--

186

186

9

0

-

9 ← remainder

$$4969 \div 37 = 134 \text{ remainder } 11$$

134
37 | 4969

37

--

126

111

159

148

11 ← remainder

$$4969 \div 41 = 121 \text{ remainder } 8$$

```
      121
41 | 4969
    41
    --
    86
    82
    --
    49
    41
    --
    8 ← remainder
```

$$4969 \div 43 = 115 \text{ remainder } 24$$

```
      115
43 | 4969
    43
    --
    66
    43
    --
    239
    215
    ---
    24 ← remainder
```

$$4969 \div 47 = 105 \text{ remainder } 34$$

```
      105
47 | 4969
    47
    --
    26
    0
    -
    269
    235
    ---
    34 ← remainder
```

$$4969 \div 53 = 93 \text{ remainder } 40$$

$$\begin{array}{r}
 93 \\
 53 \mid 4969 \\
 \underline{477} \\
 199 \\
 \underline{159} \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$4969 \div 59 = 84 \text{ remainder } 13$$

$$\begin{array}{r}
 84 \\
 59 \mid 4969 \\
 \underline{472} \\
 249 \\
 \underline{236} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$4969 \div 61 = 81 \text{ remainder } 28$$

$$\begin{array}{r}
 81 \\
 61 \mid 4969 \\
 \underline{488} \\
 89 \\
 \underline{61} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$4969 \div 67 = 74 \text{ remainder } 11$$

$$\begin{array}{r}
 74 \\
 67 \mid 4969 \\
 \underline{469} \\
 279 \\
 \underline{268} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

P₆₆₆ 4973

$$4973 \div 2 = 2486 \text{ remainder } 1$$

$$\begin{array}{r} 2486 \\ 2 \mid 4973 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 17 \\ 16 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4973 \div 3 = 1657 \text{ remainder } 2$$

$$\begin{array}{r} 1657 \\ 3 \mid 4973 \\ 3 \\ - \\ 19 \\ 18 \\ - \\ 17 \\ 15 \\ - \\ 23 \\ 21 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$4973 \div 5 = 994 \text{ remainder } 3$$

$$\begin{array}{r} 994 \\ 5 \mid 4973 \\ 45 \\ - \\ \end{array}$$

```

47
45
--
23
20
--
3 ← remainder

```

$$4973 \div 7 = 710 \text{ remainder } 3$$

```

  710
7 | 4973
  49
  --
   7
   7
   -
   3
   0
   -
   3 ← remainder

```

$$4973 \div 11 = 452 \text{ remainder } 1$$

```

  452
11 | 4973
   44
   --
   57
   55
   --
   23
   22
   --
   1 ← remainder

```

$$4973 \div 13 = 382 \text{ remainder } 7$$

```

  382
13 | 4973
   39
   --
  107
  104

```

```

---
33
26
--
7 ← remainder

```

$$4973 \div 17 = 292 \text{ remainder } 9$$

```

292
17 | 4973
   34
   --
   157
   153
   ---
    43
    34
    --
    9 ← remainder

```

$$4973 \div 19 = 261 \text{ remainder } 14$$

```

261
19 | 4973
   38
   --
   117
   114
   ---
    33
    19
    --
    14 ← remainder

```

$$4973 \div 23 = 216 \text{ remainder } 5$$

```

216
23 | 4973
   46
   --
   37
   23
   --
   143

```

138

5 \leftarrow remainder

$$4973 \div 29 = 171 \text{ remainder } 14$$

171
29 | 4973

29

--

207

203

43

29

--

14 \leftarrow remainder

$$4973 \div 31 = 160 \text{ remainder } 13$$

160
31 | 4973

31

--

187

186

13

0

-

13 \leftarrow remainder

$$4973 \div 37 = 134 \text{ remainder } 15$$

134
37 | 4973

37

--

127

111

163

148

15 ← remainder

$$4973 \div 41 = 121 \text{ remainder } 12$$

```
      121
41 | 4973
    41
    --
    87
    82
    --
    53
    41
    --
    12 ← remainder
```

$$4973 \div 43 = 115 \text{ remainder } 28$$

```
      115
43 | 4973
    43
    --
    67
    43
    --
    243
    215
    ---
    28 ← remainder
```

$$4973 \div 47 = 105 \text{ remainder } 38$$

```
      105
47 | 4973
    47
    --
    27
    0
    -
    273
    235
    ---
    38 ← remainder
```

$$4973 \div 53 = 93 \text{ remainder } 44$$

$$\begin{array}{r} 93 \\ 53 \overline{) 4973} \\ \underline{477} \\ --- \\ 203 \\ \underline{159} \\ --- \\ 44 \leftarrow \text{remainder} \end{array}$$

$$4973 \div 59 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4973} \\ \underline{472} \\ --- \\ 253 \\ \underline{236} \\ --- \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4973 \div 61 = 81 \text{ remainder } 32$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4973} \\ \underline{488} \\ --- \\ 93 \\ \underline{61} \\ --- \\ 32 \leftarrow \text{remainder} \end{array}$$

$$4973 \div 67 = 74 \text{ remainder } 15$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4973} \\ \underline{469} \\ --- \\ 283 \\ \underline{268} \\ --- \\ 15 \leftarrow \text{remainder} \end{array}$$

P₆₆₇ 4987

$$4987 \div 2 = 2493 \text{ remainder } 1$$

$$\begin{array}{r} 2493 \\ 2 \mid 4987 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 18 \\ 18 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 3 = 1662 \text{ remainder } 1$$

$$\begin{array}{r} 1662 \\ 3 \mid 4987 \\ 3 \\ - \\ 19 \\ 18 \\ - - \\ 18 \\ 18 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 5 = 997 \text{ remainder } 2$$

$$\begin{array}{r} 997 \\ 5 \mid 4987 \\ 45 \\ - - \end{array}$$

```

48
45
--
37
35
--
2 ← remainder

```

$$4987 \div 7 = 712 \text{ remainder } 3$$

```

  712
7 | 4987
  49
  --
   8
   7
   -
  17
  14
  --
   3 ← remainder

```

$$4987 \div 11 = 453 \text{ remainder } 4$$

```

  453
11 | 4987
   44
   --
   58
   55
   --
   37
   33
   --
    4 ← remainder

```

$$4987 \div 13 = 383 \text{ remainder } 8$$

```

  383
13 | 4987
   39
   --
  108
  104

```



```

  ---
  47
  39
  --
  8 ← remainder

```

$$4987 \div 17 = 293 \text{ remainder } 6$$

```

    293
17 | 4987
    34
    --
    158
    153
    ---
    57
    51
    --
    6 ← remainder

```

$$4987 \div 19 = 262 \text{ remainder } 9$$

```

    262
19 | 4987
    38
    --
    118
    114
    ---
    47
    38
    --
    9 ← remainder

```

$$4987 \div 23 = 216 \text{ remainder } 19$$

```

    216
23 | 4987
    46
    --
    38
    23
    --
    157

```

138

19 ← remainder

$$4987 \div 29 = 171 \text{ remainder } 28$$

171

29 | 4987

29

--

208

203

57

29

--

28 ← remainder

$$4987 \div 31 = 160 \text{ remainder } 27$$

160

31 | 4987

31

--

188

186

27

0

-

27 ← remainder

$$4987 \div 37 = 134 \text{ remainder } 29$$

134

37 | 4987

37

--

128

111

177

148

29 ← remainder

$$4987 \div 41 = 121 \text{ remainder } 26$$

```
      121
41 | 4987
    41
    --
    88
    82
    --
    67
    41
    --
    26 ← remainder
```

$$4987 \div 43 = 115 \text{ remainder } 42$$

```
      115
43 | 4987
    43
    --
    68
    43
    --
    257
    215
    ---
    42 ← remainder
```

$$4987 \div 47 = 106 \text{ remainder } 5$$

```
      106
47 | 4987
    47
    --
    28
    0
    -
    287
    282
    ---
    5 ← remainder
```

$$4987 \div 53 = 94 \text{ remainder } 5$$

$$\begin{array}{r} 94 \\ 53 \overline{) 4987} \\ \underline{477} \\ 217 \\ \underline{212} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 59 = 84 \text{ remainder } 31$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4987} \\ \underline{472} \\ 267 \\ \underline{236} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 61 = 81 \text{ remainder } 46$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4987} \\ \underline{488} \\ 107 \\ \underline{61} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$4987 \div 67 = 74 \text{ remainder } 29$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4987} \\ \underline{469} \\ 297 \\ \underline{268} \\ 29 \leftarrow \text{remainder} \end{array}$$

P₆₆₈ 4993

$$4993 \div 2 = 2496 \text{ remainder } 1$$

$$\begin{array}{r} 2496 \\ 2 \mid 4993 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 19 \\ 18 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4993 \div 3 = 1664 \text{ remainder } 1$$

$$\begin{array}{r} 1664 \\ 3 \mid 4993 \\ 3 \\ - \\ 19 \\ 18 \\ - \\ 19 \\ 18 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4993 \div 5 = 998 \text{ remainder } 3$$

$$\begin{array}{r} 998 \\ 5 \mid 4993 \\ 45 \\ - \\ \end{array}$$

```

49
45
--
43
40
--
3 ← remainder

```

$$4993 \div 7 = 713 \text{ remainder } 2$$

```

    713
7 | 4993
   49
   --
    9
    7
    -
   23
   21
   --
    2 ← remainder

```

$$4993 \div 11 = 453 \text{ remainder } 10$$

```

    453
11 | 4993
   44
   --
    59
    55
    --
    43
    33
    --
    10 ← remainder

```

$$4993 \div 13 = 384 \text{ remainder } 1$$

```

    384
13 | 4993
   39
   --
   109
   104

```

```

---
53
52
--
1 ← remainder

```

$$4993 \div 17 = 293 \text{ remainder } 12$$

```

      293
17 | 4993
    34
    --
    159
    153
    ---
     63
     51
     --
    12 ← remainder

```

$$4993 \div 19 = 262 \text{ remainder } 15$$

```

      262
19 | 4993
    38
    --
    119
    114
    ---
     53
     38
     --
    15 ← remainder

```

$$4993 \div 23 = 217 \text{ remainder } 2$$

```

      217
23 | 4993
    46
    --
    39
    23
    --
    163

```

161

 2 ← remainder

$$4993 \div 29 = 172 \text{ remainder } 5$$

172
 29 | 4993
 29
 --
 209
 203

 63
 58
 --
 5 ← remainder

$$4993 \div 31 = 161 \text{ remainder } 2$$

161
 31 | 4993
 31
 --
 189
 186

 33
 31
 --
 2 ← remainder

$$4993 \div 37 = 134 \text{ remainder } 35$$

134
 37 | 4993
 37
 --
 129
 111

 183
 148

35 ← remainder

$$4993 \div 41 = 121 \text{ remainder } 32$$

121
41 | 4993
41
--
89
82
--
73
41
--
32 ← remainder

$$4993 \div 43 = 116 \text{ remainder } 5$$

116
43 | 4993
43
--
69
43
--
263
258

5 ← remainder

$$4993 \div 47 = 106 \text{ remainder } 11$$

106
47 | 4993
47
--
29
0
-
293
282

11 ← remainder

$$4993 \div 53 = 94 \text{ remainder } 11$$

$$\begin{array}{r} 94 \\ 53 \overline{) 4993} \\ \underline{477} \\ 223 \\ \underline{212} \\ 11 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 59 = 84 \text{ remainder } 37$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4993} \\ \underline{472} \\ 273 \\ \underline{236} \\ 37 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 61 = 81 \text{ remainder } 52$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4993} \\ \underline{488} \\ 113 \\ \underline{61} \\ 52 \end{array} \leftarrow \text{remainder}$$

$$4993 \div 67 = 74 \text{ remainder } 35$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4993} \\ \underline{469} \\ 303 \\ \underline{268} \\ 35 \end{array} \leftarrow \text{remainder}$$

P₆₆₉ 4999

$$4999 \div 2 = 2499 \text{ remainder } 1$$

$$\begin{array}{r} 2499 \\ 2 \mid 4999 \\ 4 \\ - \\ 9 \\ 8 \\ - \\ 19 \\ 18 \\ - \\ 19 \\ 18 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4999 \div 3 = 1666 \text{ remainder } 1$$

$$\begin{array}{r} 1666 \\ 3 \mid 4999 \\ 3 \\ - \\ 19 \\ 18 \\ - \\ 19 \\ 18 \\ - \\ 19 \\ 18 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$4999 \div 5 = 999 \text{ remainder } 4$$

$$\begin{array}{r} 999 \\ 5 \mid 4999 \\ 45 \\ - \\ \end{array}$$

```

49
45
--
49
45
--
4 ← remainder

```

$$4999 \div 7 = 714 \text{ remainder } 1$$

```

    714
7 | 4999
   49
   --
    9
    7
    -
   29
   28
   --
   1 ← remainder

```

$$4999 \div 11 = 454 \text{ remainder } 5$$

```

    454
11 | 4999
   44
   --
   59
   55
   --
   49
   44
   --
   5 ← remainder

```

$$4999 \div 13 = 384 \text{ remainder } 7$$

```

    384
13 | 4999
   39
   --
  109
  104

```

```

---
59
52
--
7 ← remainder

```

$$4999 \div 17 = 294 \text{ remainder } 1$$

```

  294
17 | 4999
   34
   --
   159
   153
   ---
    69
    68
    --
    1 ← remainder

```

$$4999 \div 19 = 263 \text{ remainder } 2$$

```

  263
19 | 4999
   38
   --
   119
   114
   ---
    59
    57
    --
    2 ← remainder

```

$$4999 \div 23 = 217 \text{ remainder } 8$$

```

  217
23 | 4999
   46
   --
   39
   23
   --
   169

```

161

 8 ← remainder

$$4999 \div 29 = 172 \text{ remainder } 11$$

172
 29 | 4999
 29
 --
 209
 203

 69
 58
 --
 11 ← remainder

$$4999 \div 31 = 161 \text{ remainder } 8$$

161
 31 | 4999
 31
 --
 189
 186

 39
 31
 --
 8 ← remainder

$$4999 \div 37 = 135 \text{ remainder } 4$$

135
 37 | 4999
 37
 --
 129
 111

 189
 185

4 ← remainder

$$4999 \div 41 = 121 \text{ remainder } 38$$

```
      121
41 | 4999
    41
    --
    89
    82
    --
    79
    41
    --
    38 ← remainder
```

$$4999 \div 43 = 116 \text{ remainder } 11$$

```
      116
43 | 4999
    43
    --
    69
    43
    --
    269
    258
    ---
    11 ← remainder
```

$$4999 \div 47 = 106 \text{ remainder } 17$$

```
      106
47 | 4999
    47
    --
    29
    0
    -
    299
    282
    ---
    17 ← remainder
```

$$4999 \div 53 = 94 \text{ remainder } 17$$

$$\begin{array}{r} 94 \\ 53 \overline{) 4999} \\ \underline{477} \\ --- \\ 229 \\ \underline{212} \\ --- \\ 17 \leftarrow \text{remainder} \end{array}$$

$$4999 \div 59 = 84 \text{ remainder } 43$$

$$\begin{array}{r} 84 \\ 59 \overline{) 4999} \\ \underline{472} \\ --- \\ 279 \\ \underline{236} \\ --- \\ 43 \leftarrow \text{remainder} \end{array}$$

$$4999 \div 61 = 81 \text{ remainder } 58$$

$$\begin{array}{r} 81 \\ 61 \overline{) 4999} \\ \underline{488} \\ --- \\ 119 \\ \underline{61} \\ --- \\ 58 \leftarrow \text{remainder} \end{array}$$

$$4999 \div 67 = 74 \text{ remainder } 41$$

$$\begin{array}{r} 74 \\ 67 \overline{) 4999} \\ \underline{469} \\ --- \\ 309 \\ \underline{268} \\ --- \\ 41 \leftarrow \text{remainder} \end{array}$$

P₆₇₀ 5003

$$5003 \div 2 = 2501 \text{ remainder } 1$$

$$\begin{array}{r} 2501 \\ 2 \mid 5003 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 0 \\ 0 \\ - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5003 \div 3 = 1667 \text{ remainder } 2$$

$$\begin{array}{r} 1667 \\ 3 \mid 5003 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 20 \\ 18 \\ - - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5003 \div 5 = 1000 \text{ remainder } 3$$

$$\begin{array}{r} 1000 \\ 5 \mid 5003 \\ 5 \\ - \end{array}$$

```

0
0
-
0
0
-
3
0
-
3 ← remainder

```

$$5003 \div 7 = 714 \text{ remainder } 5$$

```

    714
7 | 5003
   49
  --
   10
   7
  --
   33
   28
  --
    5 ← remainder

```

$$5003 \div 11 = 454 \text{ remainder } 9$$

```

    454
11 | 5003
   44
  --
   60
   55
  --
   53
   44
  --
    9 ← remainder

```

$$5003 \div 13 = 384 \text{ remainder } 11$$

```

    384
13 | 5003
   39

```

```

--
110
104
---
63
52
--
11 ← remainder

```

$$5003 \div 17 = 294 \text{ remainder } 5$$

```

      294
17 | 5003
    34
    --
    160
    153
    ---
     73
     68
     --
     5 ← remainder

```

$$5003 \div 19 = 263 \text{ remainder } 6$$

```

      263
19 | 5003
    38
    --
    120
    114
    ---
     63
     57
     --
     6 ← remainder

```

$$5003 \div 23 = 217 \text{ remainder } 12$$

```

      217
23 | 5003
    46
    --
    40

```

```

23
--
173
161
---
12 ← remainder

```

$$5003 \div 29 = 172 \text{ remainder } 15$$

```

      172
29 | 5003
    29
    --
    210
    203
    ---
     73
     58
     --
    15 ← remainder

```

$$5003 \div 31 = 161 \text{ remainder } 12$$

```

      161
31 | 5003
    31
    --
    190
    186
    ---
     43
     31
     --
    12 ← remainder

```

$$5003 \div 37 = 135 \text{ remainder } 8$$

```

      135
37 | 5003
    37
    --
    130
    111
    ---

```

```

193
185
---
8 ← remainder

```

$$5003 \div 41 = 122 \text{ remainder } 1$$

```

122
41 | 5003
   41
   --
   90
   82
   --
   83
   82
   --
   1 ← remainder

```

$$5003 \div 43 = 116 \text{ remainder } 15$$

```

116
43 | 5003
   43
   --
   70
   43
   --
   273
   258
   ---
   15 ← remainder

```

$$5003 \div 47 = 106 \text{ remainder } 21$$

```

106
47 | 5003
   47
   --
   30
   0
   -
   303
   282

```

21 ← remainder

$$5003 \div 53 = 94 \text{ remainder } 21$$

94
53 | 5003
477

233
212

21 ← remainder

$$5003 \div 59 = 84 \text{ remainder } 47$$

84
59 | 5003
472

283
236

47 ← remainder

$$5003 \div 61 = 82 \text{ remainder } 1$$

82
61 | 5003
488

123
122

1 ← remainder

$$5003 \div 67 = 74 \text{ remainder } 45$$

74
67 | 5003
469

313
268

45 ← remainder

P₆₇₁ 5009

$$5009 \div 2 = 2504 \text{ remainder } 1$$

$$\begin{array}{r} 2504 \\ 2 \mid 5009 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 0 \\ 0 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5009 \div 3 = 1669 \text{ remainder } 2$$

$$\begin{array}{r} 1669 \\ 3 \mid 5009 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 20 \\ 18 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5009 \div 5 = 1001 \text{ remainder } 4$$

$$\begin{array}{r} 1001 \\ 5 \mid 5009 \\ 5 \\ - \end{array}$$


```

0
0
-
0
0
-
9
5
-
4 ← remainder

```

$$5009 \div 7 = 715 \text{ remainder } 4$$

```

    715
7 | 5009
  49
  --
  10
   7
   -
  39
  35
  --
   4 ← remainder

```

$$5009 \div 11 = 455 \text{ remainder } 4$$

```

    455
11 | 5009
   44
   --
   60
   55
   --
   59
   55
   --
    4 ← remainder

```

$$5009 \div 13 = 385 \text{ remainder } 4$$

```

    385
13 | 5009
   39

```

```

--
110
104
---
69
65
--
4 ← remainder

```

$$5009 \div 17 = 294 \text{ remainder } 11$$

```

      294
17 | 5009
    34
    --
    160
    153
    ---
     79
     68
     --
    11 ← remainder

```

$$5009 \div 19 = 263 \text{ remainder } 12$$

```

      263
19 | 5009
    38
    --
    120
    114
    ---
     69
     57
     --
    12 ← remainder

```

$$5009 \div 23 = 217 \text{ remainder } 18$$

```

      217
23 | 5009
    46
    --
    40

```

```

23
--
179
161
---
18 ← remainder

```

$$5009 \div 29 = 172 \text{ remainder } 21$$

```

      172
29 | 5009
    29
    --
    210
    203
    ---
     79
     58
     --
    21 ← remainder

```

$$5009 \div 31 = 161 \text{ remainder } 18$$

```

      161
31 | 5009
    31
    --
    190
    186
    ---
     49
     31
     --
    18 ← remainder

```

$$5009 \div 37 = 135 \text{ remainder } 14$$

```

      135
37 | 5009
    37
    --
    130
    111
    ---

```

```

199
185
---
14 ← remainder

```

$$5009 \div 41 = 122 \text{ remainder } 7$$

```

      122
41 | 5009
    41
    --
    90
    82
    --
    89
    82
    --
    7 ← remainder

```

$$5009 \div 43 = 116 \text{ remainder } 21$$

```

      116
43 | 5009
    43
    --
    70
    43
    --
    279
    258
    ---
    21 ← remainder

```

$$5009 \div 47 = 106 \text{ remainder } 27$$

```

      106
47 | 5009
    47
    --
    30
    0
    -
    309
    282

```

27 ← remainder

$$5009 \div 53 = 94 \text{ remainder } 27$$

94
53 | 5009
477

239
212

27 ← remainder

$$5009 \div 59 = 84 \text{ remainder } 53$$

84
59 | 5009
472

289
236

53 ← remainder

$$5009 \div 61 = 82 \text{ remainder } 7$$

82
61 | 5009
488

129
122

7 ← remainder

$$5009 \div 67 = 74 \text{ remainder } 51$$

74
67 | 5009
469

319
268

51 ← remainder

P₆₇₂ 5011

$$5011 \div 2 = 2505 \text{ remainder } 1$$

$$\begin{array}{r} 2505 \\ 2 \mid 5011 \\ \underline{4} \\ - \\ 10 \\ \underline{10} \\ -- \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5011 \div 3 = 1670 \text{ remainder } 1$$

$$\begin{array}{r} 1670 \\ 3 \mid 5011 \\ \underline{3} \\ - \\ 20 \\ \underline{18} \\ -- \\ 21 \\ \underline{21} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5011 \div 5 = 1002 \text{ remainder } 1$$

$$\begin{array}{r} 1002 \\ 5 \mid 5011 \\ \underline{5} \\ - \end{array}$$

```

0
0
-
1
0
-
11
10
--
1 ← remainder

```

$$5011 \div 7 = 715 \text{ remainder } 6$$

```

    715
7 | 5011
  49
  --
   11
   7
   -
   41
   35
   --
   6 ← remainder

```

$$5011 \div 11 = 455 \text{ remainder } 6$$

```

    455
11 | 5011
   44
   --
   61
   55
   --
   61
   55
   --
   6 ← remainder

```

$$5011 \div 13 = 385 \text{ remainder } 6$$

```

    385
13 | 5011
   39

```



```

--
111
104
---
71
65
--
6 ← remainder

```

$$5011 \div 17 = 294 \text{ remainder } 13$$

```

      294
17 | 5011
    34
    --
    161
    153
    ---
     81
     68
     --
    13 ← remainder

```

$$5011 \div 19 = 263 \text{ remainder } 14$$

```

      263
19 | 5011
    38
    --
    121
    114
    ---
     71
     57
     --
    14 ← remainder

```

$$5011 \div 23 = 217 \text{ remainder } 20$$

```

      217
23 | 5011
    46
    --
    41

```

```

23
--
181
161
---
20 ← remainder

```

$$5011 \div 29 = 172 \text{ remainder } 23$$

```

172
29 | 5011
   29
   --
   211
   203
   ---
    81
    58
    --
    23 ← remainder

```

$$5011 \div 31 = 161 \text{ remainder } 20$$

```

161
31 | 5011
   31
   --
   191
   186
   ---
    51
    31
    --
    20 ← remainder

```

$$5011 \div 37 = 135 \text{ remainder } 16$$

```

135
37 | 5011
   37
   --
   131
   111
   ---

```

```

201
185
---
16 ← remainder

```

$$5011 \div 41 = 122 \text{ remainder } 9$$

```

      122
41 | 5011
    41
    --
    91
    82
    --
    91
    82
    --
    9 ← remainder

```

$$5011 \div 43 = 116 \text{ remainder } 23$$

```

      116
43 | 5011
    43
    --
    71
    43
    --
    281
    258
    ---
    23 ← remainder

```

$$5011 \div 47 = 106 \text{ remainder } 29$$

```

      106
47 | 5011
    47
    --
    31
    0
    -
    311
    282

```

29 ← remainder

$$5011 \div 53 = 94 \text{ remainder } 29$$

94
53 | 5011
477

241
212

29 ← remainder

$$5011 \div 59 = 84 \text{ remainder } 55$$

84
59 | 5011
472

291
236

55 ← remainder

$$5011 \div 61 = 82 \text{ remainder } 9$$

82
61 | 5011
488

131
122

9 ← remainder

$$5011 \div 67 = 74 \text{ remainder } 53$$

74
67 | 5011
469

321
268

53 ← remainder

P₆₇₃ 5021

$$5021 \div 2 = 2510 \text{ remainder } 1$$

$$\begin{array}{r} 2510 \\ 2 \mid 5021 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 2 \\ 2 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5021 \div 3 = 1673 \text{ remainder } 2$$

$$\begin{array}{r} 1673 \\ 3 \mid 5021 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 22 \\ 21 \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5021 \div 5 = 1004 \text{ remainder } 1$$

$$\begin{array}{r} 1004 \\ 5 \mid 5021 \\ 5 \\ - \end{array}$$

```

0
0
-
2
0
-
21
20
--
1 ← remainder

```

$$5021 \div 7 = 717 \text{ remainder } 2$$

```

  717
7 | 5021
  49
  --
  12
  7
  -
  51
  49
  --
  2 ← remainder

```

$$5021 \div 11 = 456 \text{ remainder } 5$$

```

  456
11 | 5021
   44
   --
   62
   55
   --
   71
   66
   --
   5 ← remainder

```

$$5021 \div 13 = 386 \text{ remainder } 3$$

```

  386
13 | 5021
   39

```

```

--
112
104
---
81
78
--
3 ← remainder

```

$$5021 \div 17 = 295 \text{ remainder } 6$$

```

295
17 | 5021
   34
   --
   162
   153
   ---
    91
    85
    --
    6 ← remainder

```

$$5021 \div 19 = 264 \text{ remainder } 5$$

```

264
19 | 5021
   38
   --
   122
   114
   ---
    81
    76
    --
    5 ← remainder

```

$$5021 \div 23 = 218 \text{ remainder } 7$$

```

218
23 | 5021
   46
   --
   42

```



```

23
--
191
184
---
7 ← remainder

```

$$5021 \div 29 = 173 \text{ remainder } 4$$

```

      173
29 | 5021
    29
    --
    212
    203
    ---
     91
     87
     --
     4 ← remainder

```

$$5021 \div 31 = 161 \text{ remainder } 30$$

```

      161
31 | 5021
    31
    --
    192
    186
    ---
     61
     31
     --
     30 ← remainder

```

$$5021 \div 37 = 135 \text{ remainder } 26$$

```

      135
37 | 5021
    37
    --
    132
    111
    ---

```

```

211
185
---
26 ← remainder

```

$$5021 \div 41 = 122 \text{ remainder } 19$$

```

      122
41 | 5021
    41
    --
    92
    82
    --
    101
    82
    --
    19 ← remainder

```

$$5021 \div 43 = 116 \text{ remainder } 33$$

```

      116
43 | 5021
    43
    --
    72
    43
    --
    291
    258
    ---
    33 ← remainder

```

$$5021 \div 47 = 106 \text{ remainder } 39$$

```

      106
47 | 5021
    47
    --
    32
    0
    -
    321
    282

```

39 ← remainder

$$5021 \div 53 = 94 \text{ remainder } 39$$

94
53 | 5021
477

251
212

39 ← remainder

$$5021 \div 59 = 85 \text{ remainder } 6$$

85
59 | 5021
472

301
295

6 ← remainder

$$5021 \div 61 = 82 \text{ remainder } 19$$

82
61 | 5021
488

141
122

19 ← remainder

$$5021 \div 67 = 74 \text{ remainder } 63$$

74
67 | 5021
469

331
268

63 ← remainder

P₆₇₄ 5023

$$5023 \div 2 = 2511 \text{ remainder } 1$$

$$\begin{array}{r} 2511 \\ 2 \mid 5023 \\ \underline{4} \\ 10 \\ \underline{10} \\ 2 \\ \underline{2} \\ 3 \\ \underline{2} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5023 \div 3 = 1674 \text{ remainder } 1$$

$$\begin{array}{r} 1674 \\ 3 \mid 5023 \\ \underline{3} \\ 20 \\ \underline{18} \\ 22 \\ \underline{21} \\ 13 \\ \underline{12} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5023 \div 5 = 1004 \text{ remainder } 3$$

$$\begin{array}{r} 1004 \\ 5 \mid 5023 \\ \underline{5} \\ - \end{array}$$

```

0
0
-
2
0
-
23
20
--
3 ← remainder

```

$$5023 \div 7 = 717 \text{ remainder } 4$$

```

  717
7 | 5023
  49
  --
  12
   7
   -
  53
  49
  --
  4 ← remainder

```

$$5023 \div 11 = 456 \text{ remainder } 7$$

```

  456
11 | 5023
   44
   --
   62
   55
   --
   73
   66
   --
   7 ← remainder

```

$$5023 \div 13 = 386 \text{ remainder } 5$$

```

  386
13 | 5023
   39

```

```

--
112
104
---
83
78
--
5 ← remainder

```

$$5023 \div 17 = 295 \text{ remainder } 8$$

```

      295
17 | 5023
    34
    --
    162
    153
    ---
     93
     85
     --
     8 ← remainder

```

$$5023 \div 19 = 264 \text{ remainder } 7$$

```

      264
19 | 5023
    38
    --
    122
    114
    ---
     83
     76
     --
     7 ← remainder

```

$$5023 \div 23 = 218 \text{ remainder } 9$$

```

      218
23 | 5023
    46
    --
    42

```

```

23
--
193
184
---
9 ← remainder

```

$$5023 \div 29 = 173 \text{ remainder } 6$$

```

      173
29 | 5023
    29
    --
    212
    203
    ---
     93
     87
     --
     6 ← remainder

```

$$5023 \div 31 = 162 \text{ remainder } 1$$

```

      162
31 | 5023
    31
    --
    192
    186
    ---
     63
     62
     --
     1 ← remainder

```

$$5023 \div 37 = 135 \text{ remainder } 28$$

```

      135
37 | 5023
    37
    --
    132
    111
    ---

```



```

213
185
---
28 ← remainder

```

$$5023 \div 41 = 122 \text{ remainder } 21$$

```

122
41 | 5023
   41
   --
   92
   82
   --
  103
   82
   --
   21 ← remainder

```

$$5023 \div 43 = 116 \text{ remainder } 35$$

```

116
43 | 5023
   43
   --
   72
   43
   --
   293
   258
   ---
   35 ← remainder

```

$$5023 \div 47 = 106 \text{ remainder } 41$$

```

106
47 | 5023
   47
   --
   32
   0
   -
   323
   282

```

41 ← remainder

$$5023 \div 53 = 94 \text{ remainder } 41$$

94
53 | 5023
477

253
212

41 ← remainder

$$5023 \div 59 = 85 \text{ remainder } 8$$

85
59 | 5023
472

303
295

8 ← remainder

$$5023 \div 61 = 82 \text{ remainder } 21$$

82
61 | 5023
488

143
122

21 ← remainder

$$5023 \div 67 = 74 \text{ remainder } 65$$

74
67 | 5023
469

333
268

65 ← remainder

P₆₇₅ 5039

$$5039 \div 2 = 2519 \text{ remainder } 1$$

$$\begin{array}{r} 2519 \\ 2 \mid 5039 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 3 \\ 2 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5039 \div 3 = 1679 \text{ remainder } 2$$

$$\begin{array}{r} 1679 \\ 3 \mid 5039 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 23 \\ 21 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5039 \div 5 = 1007 \text{ remainder } 4$$

$$\begin{array}{r} 1007 \\ 5 \mid 5039 \\ 5 \\ - \end{array}$$

```

0
0
-
3
0
-
39
35
--
4 ← remainder

```

$$5039 \div 7 = 719 \text{ remainder } 6$$

```

  719
7 | 5039
  49
  --
  13
   7
   -
  69
  63
  --
  6 ← remainder

```

$$5039 \div 11 = 458 \text{ remainder } 1$$

```

  458
11 | 5039
   44
   --
   63
   55
   --
   89
   88
   --
   1 ← remainder

```

$$5039 \div 13 = 387 \text{ remainder } 8$$

```

  387
13 | 5039
   39

```

```

--
113
104
---
99
91
--
8 ← remainder

```

$$5039 \div 17 = 296 \text{ remainder } 7$$

```

296
17 | 5039
   34
   --
   163
   153
   ---
   109
   102
   ---
   7 ← remainder

```

$$5039 \div 19 = 265 \text{ remainder } 4$$

```

265
19 | 5039
   38
   --
   123
   114
   ---
   99
   95
   --
   4 ← remainder

```

$$5039 \div 23 = 219 \text{ remainder } 2$$

```

219
23 | 5039
   46
   --
   43

```

```

23
--
209
207
---
2 ← remainder

```

$$5039 \div 29 = 173 \text{ remainder } 22$$

```

      173
29 | 5039
    29
    --
    213
    203
    ---
    109
    87
    --
    22 ← remainder

```

$$5039 \div 31 = 162 \text{ remainder } 17$$

```

      162
31 | 5039
    31
    --
    193
    186
    ---
    79
    62
    --
    17 ← remainder

```

$$5039 \div 37 = 136 \text{ remainder } 7$$

```

      136
37 | 5039
    37
    --
    133
    111
    ---

```

```

229
222
---
7 ← remainder

```

$$5039 \div 41 = 122 \text{ remainder } 37$$

```

122
41 | 5039
   41
   --
   93
   82
   --
  119
   82
   --
   37 ← remainder

```

$$5039 \div 43 = 117 \text{ remainder } 8$$

```

117
43 | 5039
   43
   --
   73
   43
   --
   309
   301
   ---
    8 ← remainder

```

$$5039 \div 47 = 107 \text{ remainder } 10$$

```

107
47 | 5039
   47
   --
   33
    0
   -
   339
   329

```

10 ← remainder

$$5039 \div 53 = 95 \text{ remainder } 4$$

$$\begin{array}{r} 95 \\ 53 \overline{) 5039} \\ \underline{477} \end{array}$$

269

265

4 ← remainder

$$5039 \div 59 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 59 \overline{) 5039} \\ \underline{472} \end{array}$$

319

295

24 ← remainder

$$5039 \div 61 = 82 \text{ remainder } 37$$

$$\begin{array}{r} 82 \\ 61 \overline{) 5039} \\ \underline{488} \end{array}$$

159

122

37 ← remainder

$$5039 \div 67 = 75 \text{ remainder } 14$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5039} \\ \underline{469} \end{array}$$

349

335

14 ← remainder

P₆₇₆ 5051

$$5051 \div 2 = 2525 \text{ remainder } 1$$

$$\begin{array}{r} 2525 \\ 2 \mid 5051 \\ \underline{4} \\ - \\ 10 \\ \underline{10} \\ -- \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5051 \div 3 = 1683 \text{ remainder } 2$$

$$\begin{array}{r} 1683 \\ 3 \mid 5051 \\ \underline{3} \\ - \\ 20 \\ \underline{18} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5051 \div 5 = 1010 \text{ remainder } 1$$

$$\begin{array}{r} 1010 \\ 5 \mid 5051 \\ \underline{5} \\ - \end{array}$$

```

0
0
-
5
5
-
1
0
-
1 ← remainder

```

$$5051 \div 7 = 721 \text{ remainder } 4$$

```

    721
7 | 5051
   49
   --
   15
   14
   --
   11
   7
   -
   4 ← remainder

```

$$5051 \div 11 = 459 \text{ remainder } 2$$

```

    459
11 | 5051
   44
   --
   65
   55
   --
  101
   99
   --
   2 ← remainder

```

$$5051 \div 13 = 388 \text{ remainder } 7$$

```

    388
13 | 5051
   39

```

```

--
115
104
---
111
104
---
7 ← remainder

```

$$5051 \div 17 = 297 \text{ remainder } 2$$

```

297
17 | 5051
   34
   --
   165
   153
   ---
   121
   119
   ---
   2 ← remainder

```

$$5051 \div 19 = 265 \text{ remainder } 16$$

```

265
19 | 5051
   38
   --
   125
   114
   ---
   111
   95
   --
   16 ← remainder

```

$$5051 \div 23 = 219 \text{ remainder } 14$$

```

219
23 | 5051
   46
   --
   45

```

```

23
--
221
207
---
14 ← remainder

```

$$5051 \div 29 = 174 \text{ remainder } 5$$

```

      174
29 | 5051
    29
    --
    215
    203
    ---
    121
    116
    ---
    5 ← remainder

```

$$5051 \div 31 = 162 \text{ remainder } 29$$

```

      162
31 | 5051
    31
    --
    195
    186
    ---
    91
    62
    --
    29 ← remainder

```

$$5051 \div 37 = 136 \text{ remainder } 19$$

```

      136
37 | 5051
    37
    --
    135
    111
    ---

```

```

241
222
---
19 ← remainder

```

$$5051 \div 41 = 123 \text{ remainder } 8$$

```

123
41 | 5051
   41
   --
   95
   82
   --
  131
  123
  ---
   8 ← remainder

```

$$5051 \div 43 = 117 \text{ remainder } 20$$

```

117
43 | 5051
   43
   --
   75
   43
   --
  321
  301
  ---
   20 ← remainder

```

$$5051 \div 47 = 107 \text{ remainder } 22$$

```

107
47 | 5051
   47
   --
   35
   0
   -
  351
  329

```

22 ← remainder

$$5051 \div 53 = 95 \text{ remainder } 16$$

95
53 | 5051
477

281
265

16 ← remainder

$$5051 \div 59 = 85 \text{ remainder } 36$$

85
59 | 5051
472

331
295

36 ← remainder

$$5051 \div 61 = 82 \text{ remainder } 49$$

82
61 | 5051
488

171
122

49 ← remainder

$$5051 \div 67 = 75 \text{ remainder } 26$$

75
67 | 5051
469

361
335

26 ← remainder

$$5051 \div 71 = 71 \text{ remainder } 10$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5051} \\ \underline{497} \end{array}$$

81
71
--
10 ← remainder

P₆₇₇ 5059

$$5059 \div 2 = 2529 \text{ remainder } 1$$

$$\begin{array}{r} 2529 \\ 2 \mid 5059 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 5 \\ 4 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5059 \div 3 = 1686 \text{ remainder } 1$$

$$\begin{array}{r} 1686 \\ 3 \mid 5059 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 25 \\ 24 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5059 \div 5 = 1011 \text{ remainder } 4$$

$$\begin{array}{r} 1011 \\ 5 \mid 5059 \\ 5 \\ - \end{array}$$

```

0
0
-
5
5
-
9
5
-
4 ← remainder

```

$$5059 \div 7 = 722 \text{ remainder } 5$$

```

    722
7 | 5059
   49
   --
   15
   14
   --
   19
   14
   --
   5 ← remainder

```

$$5059 \div 11 = 459 \text{ remainder } 10$$

```

    459
11 | 5059
   44
   --
   65
   55
   --
  109
   99
   --
  10 ← remainder

```

$$5059 \div 13 = 389 \text{ remainder } 2$$

```

    389
13 | 5059
   39

```

```

--
115
104
---
119
117
---
2 ← remainder

```

$$5059 \div 17 = 297 \text{ remainder } 10$$

```

297
17 | 5059
   34
   --
   165
   153
   ---
   129
   119
   ---
10 ← remainder

```

$$5059 \div 19 = 266 \text{ remainder } 5$$

```

266
19 | 5059
   38
   --
   125
   114
   ---
   119
   114
   ---
5 ← remainder

```

$$5059 \div 23 = 219 \text{ remainder } 22$$

```

219
23 | 5059
   46
   --
   45

```

```

23
--
229
207
---
22 ← remainder

```

$$5059 \div 29 = 174 \text{ remainder } 13$$

```

      174
29 | 5059
    29
    --
    215
    203
    ---
    129
    116
    ---
    13 ← remainder

```

$$5059 \div 31 = 163 \text{ remainder } 6$$

```

      163
31 | 5059
    31
    --
    195
    186
    ---
    99
    93
    --
    6 ← remainder

```

$$5059 \div 37 = 136 \text{ remainder } 27$$

```

      136
37 | 5059
    37
    --
    135
    111
    ---

```

```

249
222
---
27 ← remainder

```

$$5059 \div 41 = 123 \text{ remainder } 16$$

```

123
41 | 5059
   41
   --
   95
   82
   --
  139
  123
  ---
  16 ← remainder

```

$$5059 \div 43 = 117 \text{ remainder } 28$$

```

117
43 | 5059
   43
   --
   75
   43
   --
  329
  301
  ---
  28 ← remainder

```

$$5059 \div 47 = 107 \text{ remainder } 30$$

```

107
47 | 5059
   47
   --
   35
   0
   -
  359
  329

```

30 ← remainder

$$5059 \div 53 = 95 \text{ remainder } 24$$

95
53 | 5059
477

289
265

24 ← remainder

$$5059 \div 59 = 85 \text{ remainder } 44$$

85
59 | 5059
472

339
295

44 ← remainder

$$5059 \div 61 = 82 \text{ remainder } 57$$

82
61 | 5059
488

179
122

57 ← remainder

$$5059 \div 67 = 75 \text{ remainder } 34$$

75
67 | 5059
469

369
335

34 ← remainder

$$5059 \div 71 = 71 \text{ remainder } 18$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5059} \\ \underline{497} \end{array}$$

89
71
--
18 ← remainder

P₆₇₈ 5077

$$5077 \div 2 = 2538 \text{ remainder } 1$$

$$\begin{array}{r} 2538 \\ 2 \mid 5077 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 7 \\ 6 \\ - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5077 \div 3 = 1692 \text{ remainder } 1$$

$$\begin{array}{r} 1692 \\ 3 \mid 5077 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 27 \\ 27 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5077 \div 5 = 1015 \text{ remainder } 2$$

$$\begin{array}{r} 1015 \\ 5 \mid 5077 \\ 5 \\ - \end{array}$$

```

0
0
-
7
5
-
27
25
--
2 ← remainder

```

$$5077 \div 7 = 725 \text{ remainder } 2$$

```

    725
7 | 5077
  49
  --
   17
   14
   --
   37
   35
   --
   2 ← remainder

```

$$5077 \div 11 = 461 \text{ remainder } 6$$

```

    461
11 | 5077
   44
   --
   67
   66
   --
   17
   11
   --
   6 ← remainder

```

$$5077 \div 13 = 390 \text{ remainder } 7$$

```

    390
13 | 5077
   39

```

```

--
117
117
---
7
0
-
7 ← remainder

```

$$5077 \div 17 = 298 \text{ remainder } 11$$

```

298
17 | 5077
   34
   --
   167
   153
   ---
   147
   136
   ---
   11 ← remainder

```

$$5077 \div 19 = 267 \text{ remainder } 4$$

```

267
19 | 5077
   38
   --
   127
   114
   ---
   137
   133
   ---
   4 ← remainder

```

$$5077 \div 23 = 220 \text{ remainder } 17$$

```

220
23 | 5077
   46
   --
   47

```

```

46
--
17
0
-
17 ← remainder

```

$$5077 \div 29 = 175 \text{ remainder } 2$$

```

      175
29 | 5077
    29
    --
    217
    203
    ---
    147
    145
    ---
    2 ← remainder

```

$$5077 \div 31 = 163 \text{ remainder } 24$$

```

      163
31 | 5077
    31
    --
    197
    186
    ---
    117
    93
    --
    24 ← remainder

```

$$5077 \div 37 = 137 \text{ remainder } 8$$

```

      137
37 | 5077
    37
    --
    137
    111
    ---

```

```

267
259
---
8 ← remainder

```

$$5077 \div 41 = 123 \text{ remainder } 34$$

```

123
41 | 5077
   41
   --
   97
   82
   --
  157
  123
  ---
  34 ← remainder

```

$$5077 \div 43 = 118 \text{ remainder } 3$$

```

118
43 | 5077
   43
   --
   77
   43
   --
  347
  344
  ---
   3 ← remainder

```

$$5077 \div 47 = 108 \text{ remainder } 1$$

```

108
47 | 5077
   47
   --
   37
   0
   -
  377
  376

```

1 ← remainder

$$5077 \div 53 = 95 \text{ remainder } 42$$

$$\begin{array}{r} 95 \\ 53 \overline{) 5077} \\ \underline{477} \end{array}$$

307

265

42 ← remainder

$$5077 \div 59 = 86 \text{ remainder } 3$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5077} \\ \underline{472} \end{array}$$

357

354

3 ← remainder

$$5077 \div 61 = 83 \text{ remainder } 14$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5077} \\ \underline{488} \end{array}$$

197

183

14 ← remainder

$$5077 \div 67 = 75 \text{ remainder } 52$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5077} \\ \underline{469} \end{array}$$

387

335

52 ← remainder

$$5077 \div 71 = 71 \text{ remainder } 36$$

71
71 | 5077
497

107
71
--
36 ← remainder

P₆₇₉ 5081

$$5081 \div 2 = 2540 \text{ remainder } 1$$

$$\begin{array}{r} 2540 \\ 2 \mid 5081 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 8 \\ 8 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5081 \div 3 = 1693 \text{ remainder } 2$$

$$\begin{array}{r} 1693 \\ 3 \mid 5081 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 28 \\ 27 \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5081 \div 5 = 1016 \text{ remainder } 1$$

$$\begin{array}{r} 1016 \\ 5 \mid 5081 \\ 5 \\ - \end{array}$$


```

0
0
-
8
5
-
31
30
--
1 ← remainder

```

$$5081 \div 7 = 725 \text{ remainder } 6$$

```

    725
7 | 5081
   49
   --
   18
   14
   --
   41
   35
   --
   6 ← remainder

```

$$5081 \div 11 = 461 \text{ remainder } 10$$

```

    461
11 | 5081
   44
   --
   68
   66
   --
   21
   11
   --
  10 ← remainder

```

$$5081 \div 13 = 390 \text{ remainder } 11$$

```

    390
13 | 5081
   39

```

```

--
118
117
---
11
0
-
11 ← remainder

```

$$5081 \div 17 = 298 \text{ remainder } 15$$

```

298
17 | 5081
   34
   --
   168
   153
   ---
   151
   136
   ---
   15 ← remainder

```

$$5081 \div 19 = 267 \text{ remainder } 8$$

```

267
19 | 5081
   38
   --
   128
   114
   ---
   141
   133
   ---
   8 ← remainder

```

$$5081 \div 23 = 220 \text{ remainder } 21$$

```

220
23 | 5081
   46
   --
   48

```

```

46
--
21
0
-
21 ← remainder

```

$$5081 \div 29 = 175 \text{ remainder } 6$$

```

      175
29 | 5081
    29
    --
    218
    203
    ---
    151
    145
    ---
    6 ← remainder

```

$$5081 \div 31 = 163 \text{ remainder } 28$$

```

      163
31 | 5081
    31
    --
    198
    186
    ---
    121
    93
    --
    28 ← remainder

```

$$5081 \div 37 = 137 \text{ remainder } 12$$

```

      137
37 | 5081
    37
    --
    138
    111
    ---

```

```

271
259
---
12 ← remainder

```

$$5081 \div 41 = 123 \text{ remainder } 38$$

```

      123
41 | 5081
    41
    --
    98
    82
    --
    161
    123
    ---
    38 ← remainder

```

$$5081 \div 43 = 118 \text{ remainder } 7$$

```

      118
43 | 5081
    43
    --
    78
    43
    --
    351
    344
    ---
    7 ← remainder

```

$$5081 \div 47 = 108 \text{ remainder } 5$$

```

      108
47 | 5081
    47
    --
    38
    0
    -
    381
    376

```

5 ← remainder

$$5081 \div 53 = 95 \text{ remainder } 46$$

95
53 | 5081
477

311
265

46 ← remainder

$$5081 \div 59 = 86 \text{ remainder } 7$$

86
59 | 5081
472

361
354

7 ← remainder

$$5081 \div 61 = 83 \text{ remainder } 18$$

83
61 | 5081
488

201
183

18 ← remainder

$$5081 \div 67 = 75 \text{ remainder } 56$$

75
67 | 5081
469

391
335

56 ← remainder

$$5081 \div 71 = 71 \text{ remainder } 40$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5081} \\ \underline{497} \end{array}$$

111
71
--
40 ← remainder

P₆₈₀ 5087

$$5087 \div 2 = 2543 \text{ remainder } 1$$

$$\begin{array}{r} 2543 \\ 2 \mid 5087 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 8 \\ 8 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5087 \div 3 = 1695 \text{ remainder } 2$$

$$\begin{array}{r} 1695 \\ 3 \mid 5087 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 28 \\ 27 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5087 \div 5 = 1017 \text{ remainder } 2$$

$$\begin{array}{r} 1017 \\ 5 \mid 5087 \\ 5 \\ - \end{array}$$

```

0
0
-
8
5
-
37
35
--
2 ← remainder

```

$$5087 \div 7 = 726 \text{ remainder } 5$$

```

    726
7 | 5087
  49
  --
   18
   14
   --
   47
   42
   --
    5 ← remainder

```

$$5087 \div 11 = 462 \text{ remainder } 5$$

```

    462
11 | 5087
   44
   --
   68
   66
   --
   27
   22
   --
    5 ← remainder

```

$$5087 \div 13 = 391 \text{ remainder } 4$$

```

    391
13 | 5087
   39

```



```

--
118
117
---
17
13
--
4 ← remainder

```

$$5087 \div 17 = 299 \text{ remainder } 4$$

```

      299
17 | 5087
    34
    --
    168
    153
    ---
    157
    153
    ---
    4 ← remainder

```

$$5087 \div 19 = 267 \text{ remainder } 14$$

```

      267
19 | 5087
    38
    --
    128
    114
    ---
    147
    133
    ---
    14 ← remainder

```

$$5087 \div 23 = 221 \text{ remainder } 4$$

```

      221
23 | 5087
    46
    --
    48

```

```

46
--
27
23
--
4 ← remainder

```

$$5087 \div 29 = 175 \text{ remainder } 12$$

```

      175
29 | 5087
    29
    --
    218
    203
    ---
    157
    145
    ---
    12 ← remainder

```

$$5087 \div 31 = 164 \text{ remainder } 3$$

```

      164
31 | 5087
    31
    --
    198
    186
    ---
    127
    124
    ---
    3 ← remainder

```

$$5087 \div 37 = 137 \text{ remainder } 18$$

```

      137
37 | 5087
    37
    --
    138
    111
    ---

```

```

277
259
---
18 ← remainder

```

$$5087 \div 41 = 124 \text{ remainder } 3$$

```

      124
41 | 5087
    41
    --
    98
    82
    --
    167
    164
    ---
    3 ← remainder

```

$$5087 \div 43 = 118 \text{ remainder } 13$$

```

      118
43 | 5087
    43
    --
    78
    43
    --
    357
    344
    ---
    13 ← remainder

```

$$5087 \div 47 = 108 \text{ remainder } 11$$

```

      108
47 | 5087
    47
    --
    38
    0
    -
    387
    376

```

11 ← remainder

$$5087 \div 53 = 95 \text{ remainder } 52$$

$$\begin{array}{r} 95 \\ 53 \overline{) 5087} \\ \underline{477} \end{array}$$

317

265

52 ← remainder

$$5087 \div 59 = 86 \text{ remainder } 13$$

$$\begin{array}{r} 86 \\ 59 \overline{) 5087} \\ \underline{472} \end{array}$$

367

354

13 ← remainder

$$5087 \div 61 = 83 \text{ remainder } 24$$

$$\begin{array}{r} 83 \\ 61 \overline{) 5087} \\ \underline{488} \end{array}$$

207

183

24 ← remainder

$$5087 \div 67 = 75 \text{ remainder } 62$$

$$\begin{array}{r} 75 \\ 67 \overline{) 5087} \\ \underline{469} \end{array}$$

397

335

62 ← remainder

$$5087 \div 71 = 71 \text{ remainder } 46$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5087} \\ \underline{497} \end{array}$$

117
71
--
46 ← remainder

P₆₈₁ 5099

$$5099 \div 2 = 2549 \text{ remainder } 1$$

$$\begin{array}{r} 2549 \\ 2 \mid 5099 \\ 4 \\ - \\ 10 \\ 10 \\ - - \\ 9 \\ 8 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5099 \div 3 = 1699 \text{ remainder } 2$$

$$\begin{array}{r} 1699 \\ 3 \mid 5099 \\ 3 \\ - \\ 20 \\ 18 \\ - - \\ 29 \\ 27 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5099 \div 5 = 1019 \text{ remainder } 4$$

$$\begin{array}{r} 1019 \\ 5 \mid 5099 \\ 5 \\ - \end{array}$$

```

0
0
-
9
5
-
49
45
--
4 ← remainder

```

$$5099 \div 7 = 728 \text{ remainder } 3$$

```

728
7 | 5099
  49
  --
  19
  14
  --
  59
  56
  --
  3 ← remainder

```

$$5099 \div 11 = 463 \text{ remainder } 6$$

```

463
11 | 5099
   44
   --
   69
   66
   --
   39
   33
   --
   6 ← remainder

```

$$5099 \div 13 = 392 \text{ remainder } 3$$

```

392
13 | 5099
   39

```

```

--
119
117
---
29
26
--
3 ← remainder

```

$$5099 \div 17 = 299 \text{ remainder } 16$$

```

      299
17 | 5099
    34
    --
    169
    153
    ---
    169
    153
    ---
    16 ← remainder

```

$$5099 \div 19 = 268 \text{ remainder } 7$$

```

      268
19 | 5099
    38
    --
    129
    114
    ---
    159
    152
    ---
    7 ← remainder

```

$$5099 \div 23 = 221 \text{ remainder } 16$$

```

      221
23 | 5099
    46
    --
    49

```



```

46
--
39
23
--
16 ← remainder

```

$$5099 \div 29 = 175 \text{ remainder } 24$$

```

      175
29 | 5099
    29
    --
    219
    203
    ---
    169
    145
    ---
    24 ← remainder

```

$$5099 \div 31 = 164 \text{ remainder } 15$$

```

      164
31 | 5099
    31
    --
    199
    186
    ---
    139
    124
    ---
    15 ← remainder

```

$$5099 \div 37 = 137 \text{ remainder } 30$$

```

      137
37 | 5099
    37
    --
    139
    111
    ---

```

```

289
259
---
30 ← remainder

```

$$5099 \div 41 = 124 \text{ remainder } 15$$

```

124
41 | 5099
   41
   --
   99
   82
   --
  179
  164
  ---
  15 ← remainder

```

$$5099 \div 43 = 118 \text{ remainder } 25$$

```

118
43 | 5099
   43
   --
   79
   43
   --
  369
  344
  ---
  25 ← remainder

```

$$5099 \div 47 = 108 \text{ remainder } 23$$

```

108
47 | 5099
   47
   --
   39
   0
   -
  399
  376

```

23 ← remainder

$$5099 \div 53 = 96 \text{ remainder } 11$$

96
53 | 5099
477

329
318

11 ← remainder

$$5099 \div 59 = 86 \text{ remainder } 25$$

86
59 | 5099
472

379
354

25 ← remainder

$$5099 \div 61 = 83 \text{ remainder } 36$$

83
61 | 5099
488

219
183

36 ← remainder

$$5099 \div 67 = 76 \text{ remainder } 7$$

76
67 | 5099
469

409
402

7 ← remainder

$$5099 \div 71 = 71 \text{ remainder } 58$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5099} \\ \underline{497} \end{array}$$

129
71
--
58 ← remainder

P₆₈₂ 5101

$$5101 \div 2 = 2550 \text{ remainder } 1$$

$$\begin{array}{r} 2550 \\ 2 \mid 5101 \\ \underline{4} \\ 11 \\ \underline{10} \\ 10 \\ \underline{10} \\ 0 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5101 \div 3 = 1700 \text{ remainder } 1$$

$$\begin{array}{r} 1700 \\ 3 \mid 5101 \\ \underline{3} \\ 21 \\ \underline{21} \\ 0 \\ \underline{0} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5101 \div 5 = 1020 \text{ remainder } 1$$

$$\begin{array}{r} 1020 \\ 5 \mid 5101 \\ \underline{5} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

```

1
0
-
10
10
--
1
0
-
1 ← remainder

```

$$5101 \div 7 = 728 \text{ remainder } 5$$

```

    728
7 | 5101
   49
   --
   20
   14
   --
   61
   56
   --
   5 ← remainder

```

$$5101 \div 11 = 463 \text{ remainder } 8$$

```

    463
11 | 5101
   44
   --
   70
   66
   --
   41
   33
   --
   8 ← remainder

```

$$5101 \div 13 = 392 \text{ remainder } 5$$

```

    392
13 | 5101
   39

```

```

--
120
117
---
31
26
--
5 ← remainder

```

$$5101 \div 17 = 300 \text{ remainder } 1$$

```

      300
17 | 5101
    51
    --
     0
     0
     -
     1
     0
     -
     1 ← remainder

```

$$5101 \div 19 = 268 \text{ remainder } 9$$

```

      268
19 | 5101
    38
    --
    130
    114
    ---
    161
    152
    ---
     9 ← remainder

```

$$5101 \div 23 = 221 \text{ remainder } 18$$

```

      221
23 | 5101
    46
    --
    50

```

```

46
--
41
23
--
18 ← remainder

```

$$5101 \div 29 = 175 \text{ remainder } 26$$

```

      175
29 | 5101
    29
    --
    220
    203
    ---
    171
    145
    ---
    26 ← remainder

```

$$5101 \div 31 = 164 \text{ remainder } 17$$

```

      164
31 | 5101
    31
    --
    200
    186
    ---
    141
    124
    ---
    17 ← remainder

```

$$5101 \div 37 = 137 \text{ remainder } 32$$

```

      137
37 | 5101
    37
    --
    140
    111
    ---

```



```

291
259
---
32 ← remainder

```

$$5101 \div 41 = 124 \text{ remainder } 17$$

```

124
41 | 5101
   41
   --
  100
   82
   --
  181
  164
  ---
  17 ← remainder

```

$$5101 \div 43 = 118 \text{ remainder } 27$$

```

118
43 | 5101
   43
   --
   80
   43
   --
  371
  344
  ---
  27 ← remainder

```

$$5101 \div 47 = 108 \text{ remainder } 25$$

```

108
47 | 5101
   47
   --
   40
   0
   -
  401
  376

```

25 ← remainder

$$5101 \div 53 = 96 \text{ remainder } 13$$

96
53 | 5101
477

331
318

13 ← remainder

$$5101 \div 59 = 86 \text{ remainder } 27$$

86
59 | 5101
472

381
354

27 ← remainder

$$5101 \div 61 = 83 \text{ remainder } 38$$

83
61 | 5101
488

221
183

38 ← remainder

$$5101 \div 67 = 76 \text{ remainder } 9$$

76
67 | 5101
469

411
402

9 ← remainder

$$5101 \div 71 = 71 \text{ remainder } 60$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5101} \\ \underline{497} \end{array}$$

131
71
--
60 ← remainder

P₆₈₃ 5107

$$5107 \div 2 = 2553 \text{ remainder } 1$$

$$\begin{array}{r} 2553 \\ 2 \mid 5107 \\ \underline{4} \\ 11 \\ \underline{10} \\ 10 \\ \underline{10} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5107 \div 3 = 1702 \text{ remainder } 1$$

$$\begin{array}{r} 1702 \\ 3 \mid 5107 \\ \underline{3} \\ 21 \\ \underline{21} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5107 \div 5 = 1021 \text{ remainder } 2$$

$$\begin{array}{r} 1021 \\ 5 \mid 5107 \\ \underline{5} \\ 0 \\ \underline{0} \\ 7 \\ \underline{5} \\ 2 \end{array}$$

```

1
0
-
10
10
--
7
5
-
2 ← remainder

```

$$5107 \div 7 = 729 \text{ remainder } 4$$

```

    729
7 | 5107
  49
  --
  20
  14
  --
  67
  63
  --
  4 ← remainder

```

$$5107 \div 11 = 464 \text{ remainder } 3$$

```

    464
11 | 5107
   44
   --
   70
   66
   --
   47
   44
   --
   3 ← remainder

```

$$5107 \div 13 = 392 \text{ remainder } 11$$

```

    392
13 | 5107
   39

```

```

--
120
117
---
37
26
--
11 ← remainder

```

$$5107 \div 17 = 300 \text{ remainder } 7$$

```

      300
17 | 5107
    51
    --
     0
     0
     -
     7
     0
     -
     7 ← remainder

```

$$5107 \div 19 = 268 \text{ remainder } 15$$

```

      268
19 | 5107
    38
    --
    130
    114
    ---
    167
    152
    ---
    15 ← remainder

```

$$5107 \div 23 = 222 \text{ remainder } 1$$

```

      222
23 | 5107
    46
    --
    50

```

```

46
--
47
46
--
1 ← remainder

```

$$5107 \div 29 = 176 \text{ remainder } 3$$

```

      176
29 | 5107
    29
    --
    220
    203
    ---
    177
    174
    ---
    3 ← remainder

```

$$5107 \div 31 = 164 \text{ remainder } 23$$

```

      164
31 | 5107
    31
    --
    200
    186
    ---
    147
    124
    ---
    23 ← remainder

```

$$5107 \div 37 = 138 \text{ remainder } 1$$

```

      138
37 | 5107
    37
    --
    140
    111
    ---

```

```

297
296
---
1 ← remainder

```

$$5107 \div 41 = 124 \text{ remainder } 23$$

```

      124
41 | 5107
    41
    --
    100
    82
    --
    187
    164
    ---
    23 ← remainder

```

$$5107 \div 43 = 118 \text{ remainder } 33$$

```

      118
43 | 5107
    43
    --
    80
    43
    --
    377
    344
    ---
    33 ← remainder

```

$$5107 \div 47 = 108 \text{ remainder } 31$$

```

      108
47 | 5107
    47
    --
    40
    0
    -
    407
    376

```

31 ← remainder

$$5107 \div 53 = 96 \text{ remainder } 19$$

96
53 | 5107
477

337
318

19 ← remainder

$$5107 \div 59 = 86 \text{ remainder } 33$$

86
59 | 5107
472

387
354

33 ← remainder

$$5107 \div 61 = 83 \text{ remainder } 44$$

83
61 | 5107
488

227
183

44 ← remainder

$$5107 \div 67 = 76 \text{ remainder } 15$$

76
67 | 5107
469

417
402

15 ← remainder

$$5107 \div 71 = 71 \text{ remainder } 66$$

$$\begin{array}{r} 71 \\ 71 \overline{) 5107} \\ \underline{497} \end{array}$$

137
71
--
66 ← remainder

P₆₈₄ 5113

$$5113 \div 2 = 2556 \text{ remainder } 1$$

$$\begin{array}{r} 2556 \\ 2 \mid 5113 \\ 4 \\ - \\ 11 \\ 10 \\ - - \\ 11 \\ 10 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5113 \div 3 = 1704 \text{ remainder } 1$$

$$\begin{array}{r} 1704 \\ 3 \mid 5113 \\ 3 \\ - \\ 21 \\ 21 \\ - - \\ 1 \\ 0 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5113 \div 5 = 1022 \text{ remainder } 3$$

$$\begin{array}{r} 1022 \\ 5 \mid 5113 \\ 5 \\ - \end{array}$$

```

1
0
-
11
10
--
13
10
--
3 ← remainder

```

$$5113 \div 7 = 730 \text{ remainder } 3$$

```

    730
7 | 5113
   49
   --
   21
   21
   --
    3
    0
    -
    3 ← remainder

```

$$5113 \div 11 = 464 \text{ remainder } 9$$

```

    464
11 | 5113
   44
   --
   71
   66
   --
   53
   44
   --
    9 ← remainder

```

$$5113 \div 13 = 393 \text{ remainder } 4$$

```

    393
13 | 5113
   39

```

```

--
121
117
---
43
39
--
4 ← remainder

```

$$5113 \div 17 = 300 \text{ remainder } 13$$

```

      300
17 | 5113
    51
    --
    1
    0
    -
    13
    0
    -
    13 ← remainder

```

$$5113 \div 19 = 269 \text{ remainder } 2$$

```

      269
19 | 5113
    38
    --
    131
    114
    ---
    173
    171
    ---
    2 ← remainder

```

$$5113 \div 23 = 222 \text{ remainder } 7$$

```

      222
23 | 5113
    46
    --
    51

```

```

46
--
53
46
--
7 ← remainder

```

$$5113 \div 29 = 176 \text{ remainder } 9$$

```

      176
29 | 5113
    29
    --
    221
    203
    ---
    183
    174
    ---
    9 ← remainder

```

$$5113 \div 31 = 164 \text{ remainder } 29$$

```

      164
31 | 5113
    31
    --
    201
    186
    ---
    153
    124
    ---
    29 ← remainder

```

$$5113 \div 37 = 138 \text{ remainder } 7$$

```

      138
37 | 5113
    37
    --
    141
    111
    ---

```

```

303
296
---
7 ← remainder

```

$$5113 \div 41 = 124 \text{ remainder } 29$$

```

124
41 | 5113
   41
   --
   101
   82
   --
   193
   164
   ---
   29 ← remainder

```

$$5113 \div 43 = 118 \text{ remainder } 39$$

```

118
43 | 5113
   43
   --
   81
   43
   --
   383
   344
   ---
   39 ← remainder

```

$$5113 \div 47 = 108 \text{ remainder } 37$$

```

108
47 | 5113
   47
   --
   41
   0
   -
   413
   376

```

37 ← remainder

$$5113 \div 53 = 96 \text{ remainder } 25$$

96
53 | 5113
477

343
318

25 ← remainder

$$5113 \div 59 = 86 \text{ remainder } 39$$

86
59 | 5113
472

393
354

39 ← remainder

$$5113 \div 61 = 83 \text{ remainder } 50$$

83
61 | 5113
488

233
183

50 ← remainder

$$5113 \div 67 = 76 \text{ remainder } 21$$

76
67 | 5113
469

423
402

21 ← remainder

$$5113 \div 71 = 72 \text{ remainder } 1$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5113} \\ \underline{497} \end{array}$$

143
142

1 ← remainder

P₆₈₅ 5119

$$5119 \div 2 = 2559 \text{ remainder } 1$$

$$\begin{array}{r} 2559 \\ 2 \mid 5119 \\ 4 \\ - \\ 11 \\ 10 \\ - - \\ 11 \\ 10 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5119 \div 3 = 1706 \text{ remainder } 1$$

$$\begin{array}{r} 1706 \\ 3 \mid 5119 \\ 3 \\ - \\ 21 \\ 21 \\ - - \\ 1 \\ 0 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5119 \div 5 = 1023 \text{ remainder } 4$$

$$\begin{array}{r} 1023 \\ 5 \mid 5119 \\ 5 \\ - \end{array}$$

```

1
0
-
11
10
--
19
15
--
4 ← remainder

```

$$5119 \div 7 = 731 \text{ remainder } 2$$

```

  731
7 | 5119
  49
  --
  21
  21
  --
   9
   7
   -
   2 ← remainder

```

$$5119 \div 11 = 465 \text{ remainder } 4$$

```

  465
11 | 5119
   44
   --
   71
   66
   --
   59
   55
   --
   4 ← remainder

```

$$5119 \div 13 = 393 \text{ remainder } 10$$

```

  393
13 | 5119
   39

```

```

--
121
117
---
49
39
--
10 ← remainder

```

$$5119 \div 17 = 301 \text{ remainder } 2$$

```

301
17 | 5119
   51
   --
   1
   0
   -
   19
   17
   --
   2 ← remainder

```

$$5119 \div 19 = 269 \text{ remainder } 8$$

```

269
19 | 5119
   38
   --
   131
   114
   ---
   179
   171
   ---
   8 ← remainder

```

$$5119 \div 23 = 222 \text{ remainder } 13$$

```

222
23 | 5119
   46
   --
   51

```

```

46
--
59
46
--
13 ← remainder

```

$$5119 \div 29 = 176 \text{ remainder } 15$$

```

      176
29 | 5119
    29
    --
    221
    203
    ---
    189
    174
    ---
    15 ← remainder

```

$$5119 \div 31 = 165 \text{ remainder } 4$$

```

      165
31 | 5119
    31
    --
    201
    186
    ---
    159
    155
    ---
    4 ← remainder

```

$$5119 \div 37 = 138 \text{ remainder } 13$$

```

      138
37 | 5119
    37
    --
    141
    111
    ---

```

```

309
296
---
13 ← remainder

```

$$5119 \div 41 = 124 \text{ remainder } 35$$

```

124
41 | 5119
   41
   --
   101
   82
   --
   199
   164
   ---
   35 ← remainder

```

$$5119 \div 43 = 119 \text{ remainder } 2$$

```

119
43 | 5119
   43
   --
   81
   43
   --
   389
   387
   ---
   2 ← remainder

```

$$5119 \div 47 = 108 \text{ remainder } 43$$

```

108
47 | 5119
   47
   --
   41
   0
   -
   419
   376

```

43 ← remainder

$$5119 \div 53 = 96 \text{ remainder } 31$$

96
53 | 5119
477

349
318

31 ← remainder

$$5119 \div 59 = 86 \text{ remainder } 45$$

86
59 | 5119
472

399
354

45 ← remainder

$$5119 \div 61 = 83 \text{ remainder } 56$$

83
61 | 5119
488

239
183

56 ← remainder

$$5119 \div 67 = 76 \text{ remainder } 27$$

76
67 | 5119
469

429
402

27 ← remainder

$$5119 \div 71 = 72 \text{ remainder } 7$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5119} \\ \underline{497} \end{array}$$

149
142

7 ← remainder

P₆₈₆ 5147

$$5147 \div 2 = 2573 \text{ remainder } 1$$

$$\begin{array}{r} 2573 \\ 2 \mid 5147 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5147 \div 3 = 1715 \text{ remainder } 2$$

$$\begin{array}{r} 1715 \\ 3 \mid 5147 \\ \underline{3} \\ - \\ 21 \\ \underline{21} \\ - - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5147 \div 5 = 1029 \text{ remainder } 2$$

$$\begin{array}{r} 1029 \\ 5 \mid 5147 \\ \underline{5} \\ - \end{array}$$

```

1
0
-
14
10
--
47
45
--
2 ← remainder

```

$$5147 \div 7 = 735 \text{ remainder } 2$$

```

    735
7 | 5147
   49
   --
   24
   21
   --
   37
   35
   --
   2 ← remainder

```

$$5147 \div 11 = 467 \text{ remainder } 10$$

```

    467
11 | 5147
   44
   --
   74
   66
   --
   87
   77
   --
  10 ← remainder

```

$$5147 \div 13 = 395 \text{ remainder } 12$$

```

    395
13 | 5147
   39

```

```

--
124
117
---
77
65
--
12 ← remainder

```

$$5147 \div 17 = 302 \text{ remainder } 13$$

```

      302
17 | 5147
    51
    --
     4
     0
     -
     47
     34
     --
     13 ← remainder

```

$$5147 \div 19 = 270 \text{ remainder } 17$$

```

      270
19 | 5147
    38
    --
    134
    133
    ---
     17
     0
     -
     17 ← remainder

```

$$5147 \div 23 = 223 \text{ remainder } 18$$

```

      223
23 | 5147
    46
    --
     54

```

```

46
--
87
69
--
18 ← remainder

```

$$5147 \div 29 = 177 \text{ remainder } 14$$

```

      177
29 | 5147
    29
    --
    224
    203
    ---
    217
    203
    ---
    14 ← remainder

```

$$5147 \div 31 = 166 \text{ remainder } 1$$

```

      166
31 | 5147
    31
    --
    204
    186
    ---
    187
    186
    ---
    1 ← remainder

```

$$5147 \div 37 = 139 \text{ remainder } 4$$

```

      139
37 | 5147
    37
    --
    144
    111
    ---

```

```

337
333
---
4 ← remainder

```

$$5147 \div 41 = 125 \text{ remainder } 22$$

```

125
41 | 5147
   41
   --
  104
   82
   --
  227
  205
  ---
  22 ← remainder

```

$$5147 \div 43 = 119 \text{ remainder } 30$$

```

119
43 | 5147
   43
   --
   84
   43
   --
  417
  387
  ---
  30 ← remainder

```

$$5147 \div 47 = 109 \text{ remainder } 24$$

```

109
47 | 5147
   47
   --
   44
    0
    -
   447
   423

```

24 ← remainder

$$5147 \div 53 = 97 \text{ remainder } 6$$

97
53 | 5147
477

377
371

6 ← remainder

$$5147 \div 59 = 87 \text{ remainder } 14$$

87
59 | 5147
472

427
413

14 ← remainder

$$5147 \div 61 = 84 \text{ remainder } 23$$

84
61 | 5147
488

267
244

23 ← remainder

$$5147 \div 67 = 76 \text{ remainder } 55$$

76
67 | 5147
469

457
402

55 ← remainder

$$5147 \div 71 = 72 \text{ remainder } 35$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5147} \\ \underline{497} \end{array}$$

177
142

35 ← remainder

P₆₈₇ 5153

$$5153 \div 2 = 2576 \text{ remainder } 1$$

$$\begin{array}{r} 2576 \\ 2 \mid 5153 \\ \underline{4} \\ 11 \\ \underline{10} \\ 15 \\ \underline{14} \\ 15 \\ \underline{14} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5153 \div 3 = 1717 \text{ remainder } 2$$

$$\begin{array}{r} 1717 \\ 3 \mid 5153 \\ \underline{3} \\ 21 \\ \underline{21} \\ 5 \\ \underline{3} \\ 23 \\ \underline{21} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5153 \div 5 = 1030 \text{ remainder } 3$$

$$\begin{array}{r} 1030 \\ 5 \mid 5153 \\ \underline{5} \\ \end{array}$$


```

1
0
-
15
15
--
3
0
-
3 ← remainder

```

$$5153 \div 7 = 736 \text{ remainder } 1$$

```

    736
7 | 5153
   49
   --
   25
   21
   --
   43
   42
   --
   1 ← remainder

```

$$5153 \div 11 = 468 \text{ remainder } 5$$

```

    468
11 | 5153
   44
   --
   75
   66
   --
   93
   88
   --
   5 ← remainder

```

$$5153 \div 13 = 396 \text{ remainder } 5$$

```

    396
13 | 5153
   39

```

```

--
125
117
---
83
78
--
5 ← remainder

```

$$5153 \div 17 = 303 \text{ remainder } 2$$

```

    303
17 | 5153
    51
    --
     5
     0
     -
     53
     51
     --
     2 ← remainder

```

$$5153 \div 19 = 271 \text{ remainder } 4$$

```

    271
19 | 5153
    38
    --
    135
    133
    ---
     23
     19
     --
     4 ← remainder

```

$$5153 \div 23 = 224 \text{ remainder } 1$$

```

    224
23 | 5153
    46
    --
    55

```

```

46
--
93
92
--
1 ← remainder

```

$$5153 \div 29 = 177 \text{ remainder } 20$$

```

      177
29 | 5153
    29
    --
    225
    203
    ---
     223
     203
     ---
      20 ← remainder

```

$$5153 \div 31 = 166 \text{ remainder } 7$$

```

      166
31 | 5153
    31
    --
    205
    186
    ---
     193
     186
     ---
      7 ← remainder

```

$$5153 \div 37 = 139 \text{ remainder } 10$$

```

      139
37 | 5153
    37
    --
    145
    111
    ---

```

```

343
333
---
10 ← remainder

```

$$5153 \div 41 = 125 \text{ remainder } 28$$

```

125
41 | 5153
   41
   --
   105
   82
   --
   233
   205
   ---
   28 ← remainder

```

$$5153 \div 43 = 119 \text{ remainder } 36$$

```

119
43 | 5153
   43
   --
   85
   43
   --
   423
   387
   ---
   36 ← remainder

```

$$5153 \div 47 = 109 \text{ remainder } 30$$

```

109
47 | 5153
   47
   --
   45
   0
   -
   453
   423

```

30 ← remainder

$$5153 \div 53 = 97 \text{ remainder } 12$$

97
53 | 5153
477

383
371

12 ← remainder

$$5153 \div 59 = 87 \text{ remainder } 20$$

87
59 | 5153
472

433
413

20 ← remainder

$$5153 \div 61 = 84 \text{ remainder } 29$$

84
61 | 5153
488

273
244

29 ← remainder

$$5153 \div 67 = 76 \text{ remainder } 61$$

76
67 | 5153
469

463
402

61 ← remainder

$$5153 \div 71 = 72 \text{ remainder } 41$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5153} \\ \underline{497} \end{array}$$

183
142

41 ← remainder

P₆₈₈ 5167

$$5167 \div 2 = 2583 \text{ remainder } 1$$

$$\begin{array}{r} 2583 \\ 2 \mid 5167 \\ \underline{4} \\ 11 \\ \underline{10} \\ 16 \\ \underline{16} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5167 \div 3 = 1722 \text{ remainder } 1$$

$$\begin{array}{r} 1722 \\ 3 \mid 5167 \\ \underline{3} \\ 21 \\ \underline{21} \\ 6 \\ \underline{6} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5167 \div 5 = 1033 \text{ remainder } 2$$

$$\begin{array}{r} 1033 \\ 5 \mid 5167 \\ \underline{5} \\ - \end{array}$$

```

1
0
-
16
15
--
17
15
--
2 ← remainder

```

$$5167 \div 7 = 738 \text{ remainder } 1$$

```

    738
7 | 5167
  49
  --
   26
   21
   --
   57
   56
   --
   1 ← remainder

```

$$5167 \div 11 = 469 \text{ remainder } 8$$

```

    469
11 | 5167
   44
   --
   76
   66
   --
  107
   99
   --
   8 ← remainder

```

$$5167 \div 13 = 397 \text{ remainder } 6$$

```

    397
13 | 5167
   39

```



```

--
126
117
---
97
91
--
6 ← remainder

```

$$5167 \div 17 = 303 \text{ remainder } 16$$

```

      303
17 | 5167
    51
    --
     6
     0
     -
     67
     51
     --
    16 ← remainder

```

$$5167 \div 19 = 271 \text{ remainder } 18$$

```

      271
19 | 5167
    38
    --
    136
    133
    ---
     37
     19
     --
    18 ← remainder

```

$$5167 \div 23 = 224 \text{ remainder } 15$$

```

      224
23 | 5167
    46
    --
    56

```

```

46
--
107
92
--
15 ← remainder

```

$$5167 \div 29 = 178 \text{ remainder } 5$$

```

      178
29 | 5167
    29
    --
    226
    203
    ---
    237
    232
    ---
    5 ← remainder

```

$$5167 \div 31 = 166 \text{ remainder } 21$$

```

      166
31 | 5167
    31
    --
    206
    186
    ---
    207
    186
    ---
    21 ← remainder

```

$$5167 \div 37 = 139 \text{ remainder } 24$$

```

      139
37 | 5167
    37
    --
    146
    111
    ---

```

```

357
333
---
24 ← remainder

```

$$5167 \div 41 = 126 \text{ remainder } 1$$

```

126
41 | 5167
   41
   --
  106
   82
   --
  247
  246
  ---
   1 ← remainder

```

$$5167 \div 43 = 120 \text{ remainder } 7$$

```

120
43 | 5167
   43
   --
   86
   86
   --
    7
    0
    -
    7 ← remainder

```

$$5167 \div 47 = 109 \text{ remainder } 44$$

```

109
47 | 5167
   47
   --
   46
    0
    -
   467
   423

```

44 ← remainder

$$5167 \div 53 = 97 \text{ remainder } 26$$

97
53 | 5167
477

397
371

26 ← remainder

$$5167 \div 59 = 87 \text{ remainder } 34$$

87
59 | 5167
472

447
413

34 ← remainder

$$5167 \div 61 = 84 \text{ remainder } 43$$

84
61 | 5167
488

287
244

43 ← remainder

$$5167 \div 67 = 77 \text{ remainder } 8$$

77
67 | 5167
469

477
469

8 ← remainder

$$5167 \div 71 = 72 \text{ remainder } 55$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5167} \\ \underline{497} \end{array}$$

197
142

55 ← remainder

P₆₈₉ 5171

$$5171 \div 2 = 2585 \text{ remainder } 1$$

$$\begin{array}{r} 2585 \\ 2 \mid 5171 \\ \underline{4} \\ 11 \\ \underline{10} \\ 17 \\ \underline{16} \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5171 \div 3 = 1723 \text{ remainder } 2$$

$$\begin{array}{r} 1723 \\ 3 \mid 5171 \\ \underline{3} \\ 21 \\ \underline{21} \\ 7 \\ \underline{6} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5171 \div 5 = 1034 \text{ remainder } 1$$

$$\begin{array}{r} 1034 \\ 5 \mid 5171 \\ \underline{5} \\ \end{array}$$

```

1
0
-
17
15
--
21
20
--
1 ← remainder

```

$$5171 \div 7 = 738 \text{ remainder } 5$$

```

    738
7 | 5171
  49
  --
  27
  21
  --
  61
  56
  --
  5 ← remainder

```

$$5171 \div 11 = 470 \text{ remainder } 1$$

```

    470
11 | 5171
   44
   --
   77
   77
   --
   1
   0
   -
   1 ← remainder

```

$$5171 \div 13 = 397 \text{ remainder } 10$$

```

    397
13 | 5171
   39

```

```

--
127
117
---
101
91
--
10 ← remainder

```

$$5171 \div 17 = 304 \text{ remainder } 3$$

```

      304
17 | 5171
    51
    --
     7
     0
     -
     71
     68
     --
     3 ← remainder

```

$$5171 \div 19 = 272 \text{ remainder } 3$$

```

      272
19 | 5171
    38
    --
    137
    133
    ---
     41
     38
     --
     3 ← remainder

```

$$5171 \div 23 = 224 \text{ remainder } 19$$

```

      224
23 | 5171
    46
    --
    57

```



```

46
--
111
92
--
19 ← remainder

```

$$5171 \div 29 = 178 \text{ remainder } 9$$

```

      178
29 | 5171
    29
    --
    227
    203
    ---
    241
    232
    ---
    9 ← remainder

```

$$5171 \div 31 = 166 \text{ remainder } 25$$

```

      166
31 | 5171
    31
    --
    207
    186
    ---
    211
    186
    ---
    25 ← remainder

```

$$5171 \div 37 = 139 \text{ remainder } 28$$

```

      139
37 | 5171
    37
    --
    147
    111
    ---

```

```

361
333
---
28 ← remainder

```

$$5171 \div 41 = 126 \text{ remainder } 5$$

```

      126
41 | 5171
    41
    --
    107
    82
    --
    251
    246
    ---
    5 ← remainder

```

$$5171 \div 43 = 120 \text{ remainder } 11$$

```

      120
43 | 5171
    43
    --
    87
    86
    --
    11
    0
    -
    11 ← remainder

```

$$5171 \div 47 = 110 \text{ remainder } 1$$

```

      110
47 | 5171
    47
    --
    47
    47
    --
    1
    0

```

-
1 ← remainder

$$5171 \div 53 = 97 \text{ remainder } 30$$

```

    97
53 | 5171
    477
    ---
    401
    371
    ---
    30 ← remainder
```

$$5171 \div 59 = 87 \text{ remainder } 38$$

```

    87
59 | 5171
    472
    ---
    451
    413
    ---
    38 ← remainder
```

$$5171 \div 61 = 84 \text{ remainder } 47$$

```

    84
61 | 5171
    488
    ---
    291
    244
    ---
    47 ← remainder
```

$$5171 \div 67 = 77 \text{ remainder } 12$$

```

    77
67 | 5171
    469
    ---
    481
    469
```

12 ← remainder

$$5171 \div 71 = 72 \text{ remainder } 59$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5171} \\ \underline{497} \end{array}$$

201
142

59 ← remainder

P₆₉₀ 5179

$$5179 \div 2 = 2589 \text{ remainder } 1$$

$$\begin{array}{r} 2589 \\ 2 \mid 5179 \\ 4 \\ - \\ 11 \\ 10 \\ - - \\ 17 \\ 16 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5179 \div 3 = 1726 \text{ remainder } 1$$

$$\begin{array}{r} 1726 \\ 3 \mid 5179 \\ 3 \\ - \\ 21 \\ 21 \\ - - \\ 7 \\ 6 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5179 \div 5 = 1035 \text{ remainder } 4$$

$$\begin{array}{r} 1035 \\ 5 \mid 5179 \\ 5 \\ - \end{array}$$

```

1
0
-
17
15
--
29
25
--
4 ← remainder

```

$$5179 \div 7 = 739 \text{ remainder } 6$$

```

    739
7 | 5179
  49
  --
  27
  21
  --
  69
  63
  --
  6 ← remainder

```

$$5179 \div 11 = 470 \text{ remainder } 9$$

```

    470
11 | 5179
   44
   --
   77
   77
   --
   9
   0
   -
   9 ← remainder

```

$$5179 \div 13 = 398 \text{ remainder } 5$$

```

    398
13 | 5179
   39

```

```

--
127
117
---
109
104
---
5 ← remainder

```

$$5179 \div 17 = 304 \text{ remainder } 11$$

```

      304
17 | 5179
    51
    --
     7
     0
     -
     79
     68
     --
    11 ← remainder

```

$$5179 \div 19 = 272 \text{ remainder } 11$$

```

      272
19 | 5179
    38
    --
    137
    133
    ---
     49
     38
     --
    11 ← remainder

```

$$5179 \div 23 = 225 \text{ remainder } 4$$

```

      225
23 | 5179
    46
    --
    57

```

```

46
--
119
115
---
4 ← remainder

```

$$5179 \div 29 = 178 \text{ remainder } 17$$

```

      178
29 | 5179
    29
    --
    227
    203
    ---
    249
    232
    ---
    17 ← remainder

```

$$5179 \div 31 = 167 \text{ remainder } 2$$

```

      167
31 | 5179
    31
    --
    207
    186
    ---
    219
    217
    ---
    2 ← remainder

```

$$5179 \div 37 = 139 \text{ remainder } 36$$

```

      139
37 | 5179
    37
    --
    147
    111
    ---

```



```

369
333
---
36 ← remainder

```

$$5179 \div 41 = 126 \text{ remainder } 13$$

```

126
41 | 5179
   41
   --
  107
   82
   --
  259
  246
  ---
   13 ← remainder

```

$$5179 \div 43 = 120 \text{ remainder } 19$$

```

120
43 | 5179
   43
   --
   87
   86
   --
   19
    0
    -
   19 ← remainder

```

$$5179 \div 47 = 110 \text{ remainder } 9$$

```

110
47 | 5179
   47
   --
   47
   47
   --
    9
    0

```

-
9 ← remainder

$$5179 \div 53 = 97 \text{ remainder } 38$$

97
53 | 5179
477

409
371

38 ← remainder

$$5179 \div 59 = 87 \text{ remainder } 46$$

87
59 | 5179
472

459
413

46 ← remainder

$$5179 \div 61 = 84 \text{ remainder } 55$$

84
61 | 5179
488

299
244

55 ← remainder

$$5179 \div 67 = 77 \text{ remainder } 20$$

77
67 | 5179
469

489
469

20 ← remainder

$$5179 \div 71 = 72 \text{ remainder } 67$$

$$\begin{array}{r} 72 \\ 71 \overline{) 5179} \\ \underline{497} \end{array}$$

209
142

67 ← remainder

P₆₉₁ 5189

$$5189 \div 2 = 2594 \text{ remainder } 1$$

$$\begin{array}{r} 2594 \\ 2 \mid 5189 \\ 4 \\ - \\ 11 \\ 10 \\ - - \\ 18 \\ 18 \\ - - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 3 = 1729 \text{ remainder } 2$$

$$\begin{array}{r} 1729 \\ 3 \mid 5189 \\ 3 \\ - \\ 21 \\ 21 \\ - - \\ 8 \\ 6 \\ - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5189 \div 5 = 1037 \text{ remainder } 4$$

$$\begin{array}{r} 1037 \\ 5 \mid 5189 \\ 5 \\ - \end{array}$$

```

1
0
-
18
15
--
39
35
--
4 ← remainder

```

$$5189 \div 7 = 741 \text{ remainder } 2$$

```

  741
7 | 5189
  49
  --
  28
  28
  --
   9
   7
   -
   2 ← remainder

```

$$5189 \div 11 = 471 \text{ remainder } 8$$

```

  471
11 | 5189
   44
   --
   78
   77
   --
   19
   11
   --
   8 ← remainder

```

$$5189 \div 13 = 399 \text{ remainder } 2$$

```

  399
13 | 5189
   39

```

```

--
128
117
---
119
117
---
2 ← remainder

```

$$5189 \div 17 = 305 \text{ remainder } 4$$

```

      305
17 | 5189
    51
    --
     8
     0
     -
     89
     85
     --
     4 ← remainder

```

$$5189 \div 19 = 273 \text{ remainder } 2$$

```

      273
19 | 5189
    38
    --
    138
    133
    ---
     59
     57
     --
     2 ← remainder

```

$$5189 \div 23 = 225 \text{ remainder } 14$$

```

      225
23 | 5189
    46
    --
    58

```

```

46
--
129
115
---
14 ← remainder

```

$$5189 \div 29 = 178 \text{ remainder } 27$$

```

      178
29 | 5189
    29
    --
    228
    203
    ---
    259
    232
    ---
    27 ← remainder

```

$$5189 \div 31 = 167 \text{ remainder } 12$$

```

      167
31 | 5189
    31
    --
    208
    186
    ---
    229
    217
    ---
    12 ← remainder

```

$$5189 \div 37 = 140 \text{ remainder } 9$$

```

      140
37 | 5189
    37
    --
    148
    148
    ---

```

```

  9
  0
  -
  9 ← remainder

```

$$5189 \div 41 = 126 \text{ remainder } 23$$

```

    126
41 | 5189
    41
    --
    108
    82
    --
    269
    246
    ---
    23 ← remainder

```

$$5189 \div 43 = 120 \text{ remainder } 29$$

```

    120
43 | 5189
    43
    --
    88
    86
    --
    29
    0
    -
    29 ← remainder

```

$$5189 \div 47 = 110 \text{ remainder } 19$$

```

    110
47 | 5189
    47
    --
    48
    47
    --
    19
    0

```


-
19 ← remainder

$$5189 \div 53 = 97 \text{ remainder } 48$$

97
53 | 5189
477

419
371

48 ← remainder

$$5189 \div 59 = 87 \text{ remainder } 56$$

87
59 | 5189
472

469
413

56 ← remainder

$$5189 \div 61 = 85 \text{ remainder } 4$$

85
61 | 5189
488

309
305

4 ← remainder

$$5189 \div 67 = 77 \text{ remainder } 30$$

77
67 | 5189
469

499
469

30 ← remainder

$$5189 \div 71 = 73 \text{ remainder } 6$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5189} \\ \underline{497} \end{array}$$

219
213

6 ← remainder

P₆₉₂ 5197

$$5197 \div 2 = 2598 \text{ remainder } 1$$

$$\begin{array}{r} 2598 \\ 2 \mid 5197 \\ 4 \\ - \\ 11 \\ 10 \\ - - \\ 19 \\ 18 \\ - - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5197 \div 3 = 1732 \text{ remainder } 1$$

$$\begin{array}{r} 1732 \\ 3 \mid 5197 \\ 3 \\ - \\ 21 \\ 21 \\ - - \\ 9 \\ 9 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5197 \div 5 = 1039 \text{ remainder } 2$$

$$\begin{array}{r} 1039 \\ 5 \mid 5197 \\ 5 \\ - \end{array}$$

```

1
0
-
19
15
--
47
45
--
2 ← remainder

```

$$5197 \div 7 = 742 \text{ remainder } 3$$

```

    742
7 | 5197
  49
  --
  29
  28
  --
  17
  14
  --
  3 ← remainder

```

$$5197 \div 11 = 472 \text{ remainder } 5$$

```

    472
11 | 5197
   44
   --
   79
   77
   --
   27
   22
   --
   5 ← remainder

```

$$5197 \div 13 = 399 \text{ remainder } 10$$

```

    399
13 | 5197
   39

```

```

--
129
117
---
127
117
---
10 ← remainder

```

$$5197 \div 17 = 305 \text{ remainder } 12$$

```

      305
17 | 5197
    51
    --
     9
     0
     -
    97
    85
    --
    12 ← remainder

```

$$5197 \div 19 = 273 \text{ remainder } 10$$

```

      273
19 | 5197
    38
    --
   139
   133
   ---
    67
    57
    --
    10 ← remainder

```

$$5197 \div 23 = 225 \text{ remainder } 22$$

```

      225
23 | 5197
    46
    --
    59

```

```

46
--
137
115
---
22 ← remainder

```

$$5197 \div 29 = 179 \text{ remainder } 6$$

```

      179
29 | 5197
    29
    --
    229
    203
    ---
    267
    261
    ---
    6 ← remainder

```

$$5197 \div 31 = 167 \text{ remainder } 20$$

```

      167
31 | 5197
    31
    --
    209
    186
    ---
    237
    217
    ---
    20 ← remainder

```

$$5197 \div 37 = 140 \text{ remainder } 17$$

```

      140
37 | 5197
    37
    --
    149
    148
    ---

```

```

17
0
-
17 ← remainder

```

$$5197 \div 41 = 126 \text{ remainder } 31$$

```

126
41 | 5197
   41
   --
  109
   82
   --
  277
  246
  ---
   31 ← remainder

```

$$5197 \div 43 = 120 \text{ remainder } 37$$

```

120
43 | 5197
   43
   --
   89
   86
   --
   37
    0
   -
   37 ← remainder

```

$$5197 \div 47 = 110 \text{ remainder } 27$$

```

110
47 | 5197
   47
   --
   49
   47
   --
   27
    0

```

-
27 ← remainder

$$5197 \div 53 = 98 \text{ remainder } 3$$

98
53 | 5197
477

427
424

3 ← remainder

$$5197 \div 59 = 88 \text{ remainder } 5$$

88
59 | 5197
472

477
472

5 ← remainder

$$5197 \div 61 = 85 \text{ remainder } 12$$

85
61 | 5197
488

317
305

12 ← remainder

$$5197 \div 67 = 77 \text{ remainder } 38$$

77
67 | 5197
469

507
469

38 ← remainder

$$5197 \div 71 = 73 \text{ remainder } 14$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5197} \\ \underline{497} \end{array}$$

227

213

14 ← remainder

P₆₉₃ 5209

$$5209 \div 2 = 2604 \text{ remainder } 1$$

$$\begin{array}{r} 2604 \\ 2 \mid 5209 \\ \underline{4} \\ - \\ 12 \\ \underline{12} \\ - - \\ 0 \\ 0 \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5209 \div 3 = 1736 \text{ remainder } 1$$

$$\begin{array}{r} 1736 \\ 3 \mid 5209 \\ \underline{3} \\ - \\ 22 \\ \underline{21} \\ - - \\ 10 \\ \underline{9} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5209 \div 5 = 1041 \text{ remainder } 4$$

$$\begin{array}{r} 1041 \\ 5 \mid 5209 \\ \underline{5} \\ - \end{array}$$

```

2
0
-
20
20
--
9
5
-
4 ← remainder

```

$$5209 \div 7 = 744 \text{ remainder } 1$$

```

    744
7 | 5209
   49
   --
   30
   28
   --
   29
   28
   --
   1 ← remainder

```

$$5209 \div 11 = 473 \text{ remainder } 6$$

```

    473
11 | 5209
   44
   --
   80
   77
   --
   39
   33
   --
   6 ← remainder

```

$$5209 \div 13 = 400 \text{ remainder } 9$$

```

    400
13 | 5209
   52

```

```

--
0
0
-
9
0
-
9 ← remainder

```

$$5209 \div 17 = 306 \text{ remainder } 7$$

```

      306
17 | 5209
    51
    --
    10
    0
    -
    109
    102
    ---
    7 ← remainder

```

$$5209 \div 19 = 274 \text{ remainder } 3$$

```

      274
19 | 5209
    38
    --
    140
    133
    ---
    79
    76
    --
    3 ← remainder

```

$$5209 \div 23 = 226 \text{ remainder } 11$$

```

      226
23 | 5209
    46
    --
    60

```

```

46
--
149
138
---
11 ← remainder

```

$$5209 \div 29 = 179 \text{ remainder } 18$$

```

179
29 | 5209
   29
   --
   230
   203
   ---
   279
   261
   ---
   18 ← remainder

```

$$5209 \div 31 = 168 \text{ remainder } 1$$

```

168
31 | 5209
   31
   --
   210
   186
   ---
   249
   248
   ---
   1 ← remainder

```

$$5209 \div 37 = 140 \text{ remainder } 29$$

```

140
37 | 5209
   37
   --
   150
   148
   ---

```

```

29
0
-
29 ← remainder

```

$$5209 \div 41 = 127 \text{ remainder } 2$$

```

127
41 | 5209
   41
   --
   110
   82
   --
   289
   287
   ---
   2 ← remainder

```

$$5209 \div 43 = 121 \text{ remainder } 6$$

```

121
43 | 5209
   43
   --
   90
   86
   --
   49
   43
   --
   6 ← remainder

```

$$5209 \div 47 = 110 \text{ remainder } 39$$

```

110
47 | 5209
   47
   --
   50
   47
   --
   39
   0

```

-
39 ← remainder

$$5209 \div 53 = 98 \text{ remainder } 15$$

98
53 | 5209
477

439
424

15 ← remainder

$$5209 \div 59 = 88 \text{ remainder } 17$$

88
59 | 5209
472

489
472

17 ← remainder

$$5209 \div 61 = 85 \text{ remainder } 24$$

85
61 | 5209
488

329
305

24 ← remainder

$$5209 \div 67 = 77 \text{ remainder } 50$$

77
67 | 5209
469

519
469

50 ← remainder

$$5209 \div 71 = 73 \text{ remainder } 26$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5209} \\ \underline{497} \end{array}$$

239
213

26 ← remainder

P₆₉₄ 5227

$$5227 \div 2 = 2613 \text{ remainder } 1$$

$$\begin{array}{r} 2613 \\ 2 \mid 5227 \\ 4 \\ - \\ 12 \\ 12 \\ - - \\ 2 \\ 2 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5227 \div 3 = 1742 \text{ remainder } 1$$

$$\begin{array}{r} 1742 \\ 3 \mid 5227 \\ 3 \\ - \\ 22 \\ 21 \\ - - \\ 12 \\ 12 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5227 \div 5 = 1045 \text{ remainder } 2$$

$$\begin{array}{r} 1045 \\ 5 \mid 5227 \\ 5 \\ - \end{array}$$

```

2
0
-
22
20
--
27
25
--
2 ← remainder

```

$$5227 \div 7 = 746 \text{ remainder } 5$$

```

    746
7 | 5227
  49
  --
   32
   28
   --
   47
   42
   --
   5 ← remainder

```

$$5227 \div 11 = 475 \text{ remainder } 2$$

```

    475
11 | 5227
   44
   --
   82
   77
   --
   57
   55
   --
   2 ← remainder

```

$$5227 \div 13 = 402 \text{ remainder } 1$$

```

    402
13 | 5227
   52

```

```

--
2
0
-
27
26
--
1 ← remainder

```

$$5227 \div 17 = 307 \text{ remainder } 8$$

```

307
17 | 5227
   51
   --
   12
   0
   -
  127
  119
  ---
   8 ← remainder

```

$$5227 \div 19 = 275 \text{ remainder } 2$$

```

275
19 | 5227
   38
   --
  142
  133
  ---
   97
   95
   --
   2 ← remainder

```

$$5227 \div 23 = 227 \text{ remainder } 6$$

```

227
23 | 5227
   46
   --
   62

```

```

46
--
167
161
---
6 ← remainder

```

$$5227 \div 29 = 180 \text{ remainder } 7$$

```

      180
29 | 5227
    29
    --
    232
    232
    ---
     7
     0
     -
     7 ← remainder

```

$$5227 \div 31 = 168 \text{ remainder } 19$$

```

      168
31 | 5227
    31
    --
    212
    186
    ---
    267
    248
    ---
    19 ← remainder

```

$$5227 \div 37 = 141 \text{ remainder } 10$$

```

      141
37 | 5227
    37
    --
    152
    148
    ---

```

47
 37
 --
 10 ← remainder

$$5227 \div 41 = 127 \text{ remainder } 20$$

127
 41 | 5227
 41
 --
 112
 82
 --
 307
 287

 20 ← remainder

$$5227 \div 43 = 121 \text{ remainder } 24$$

121
 43 | 5227
 43
 --
 92
 86
 --
 67
 43
 --
 24 ← remainder

$$5227 \div 47 = 111 \text{ remainder } 10$$

111
 47 | 5227
 47
 --
 52
 47
 --
 57
 47

--
10 ← remainder

$$5227 \div 53 = 98 \text{ remainder } 33$$

98
53 | 5227
477

457
424

33 ← remainder

$$5227 \div 59 = 88 \text{ remainder } 35$$

88
59 | 5227
472

507
472

35 ← remainder

$$5227 \div 61 = 85 \text{ remainder } 42$$

85
61 | 5227
488

347
305

42 ← remainder

$$5227 \div 67 = 78 \text{ remainder } 1$$

78
67 | 5227
469

537
536

1 ← remainder

$$5227 \div 71 = 73 \text{ remainder } 44$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5227} \\ \underline{497} \end{array}$$

257
213

44 ← remainder

P₆₉₅ 5231

$$5231 \div 2 = 2615 \text{ remainder } 1$$

$$\begin{array}{r} 2615 \\ 2 \mid 5231 \\ 4 \\ - \\ 12 \\ 12 \\ - - \\ 3 \\ 2 \\ - \\ 11 \\ 10 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5231 \div 3 = 1743 \text{ remainder } 2$$

$$\begin{array}{r} 1743 \\ 3 \mid 5231 \\ 3 \\ - \\ 22 \\ 21 \\ - - \\ 13 \\ 12 \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5231 \div 5 = 1046 \text{ remainder } 1$$

$$\begin{array}{r} 1046 \\ 5 \mid 5231 \\ 5 \\ - \end{array}$$


```

2
0
-
23
20
--
31
30
--
1 ← remainder

```

$$5231 \div 7 = 747 \text{ remainder } 2$$

```

    747
7 | 5231
   49
   --
   33
   28
   --
   51
   49
   --
   2 ← remainder

```

$$5231 \div 11 = 475 \text{ remainder } 6$$

```

    475
11 | 5231
   44
   --
   83
   77
   --
   61
   55
   --
   6 ← remainder

```

$$5231 \div 13 = 402 \text{ remainder } 5$$

```

    402
13 | 5231
   52

```

```

--
3
0
-
31
26
--
5 ← remainder

```

$$5231 \div 17 = 307 \text{ remainder } 12$$

```

      307
17 | 5231
    51
    --
    13
    0
    -
    131
    119
    ---
    12 ← remainder

```

$$5231 \div 19 = 275 \text{ remainder } 6$$

```

      275
19 | 5231
    38
    --
    143
    133
    ---
    101
    95
    --
    6 ← remainder

```

$$5231 \div 23 = 227 \text{ remainder } 10$$

```

      227
23 | 5231
    46
    --
    63

```

```

46
--
171
161
---
10 ← remainder

```

$$5231 \div 29 = 180 \text{ remainder } 11$$

```

      180
29 | 5231
    29
    --
    233
    232
    ---
     11
     0
     -
     11 ← remainder

```

$$5231 \div 31 = 168 \text{ remainder } 23$$

```

      168
31 | 5231
    31
    --
    213
    186
    ---
     271
     248
     ---
      23 ← remainder

```

$$5231 \div 37 = 141 \text{ remainder } 14$$

```

      141
37 | 5231
    37
    --
    153
    148
    ---

```

51
 37
 --
 14 ← remainder

$$5231 \div 41 = 127 \text{ remainder } 24$$

127
 41 | 5231
 41
 --
 113
 82
 --
 311
 287

 24 ← remainder

$$5231 \div 43 = 121 \text{ remainder } 28$$

121
 43 | 5231
 43
 --
 93
 86
 --
 71
 43
 --
 28 ← remainder

$$5231 \div 47 = 111 \text{ remainder } 14$$

111
 47 | 5231
 47
 --
 53
 47
 --
 61
 47

--

14 ← remainder

$$5231 \div 53 = 98 \text{ remainder } 37$$

$$\begin{array}{r} 98 \\ 53 \overline{) 5231} \\ \underline{477} \end{array}$$

461

424

37 ← remainder

$$5231 \div 59 = 88 \text{ remainder } 39$$

$$\begin{array}{r} 88 \\ 59 \overline{) 5231} \\ \underline{472} \end{array}$$

511

472

39 ← remainder

$$5231 \div 61 = 85 \text{ remainder } 46$$

$$\begin{array}{r} 85 \\ 61 \overline{) 5231} \\ \underline{488} \end{array}$$

351

305

46 ← remainder

$$5231 \div 67 = 78 \text{ remainder } 5$$

$$\begin{array}{r} 78 \\ 67 \overline{) 5231} \\ \underline{469} \end{array}$$

541

536

5 ← remainder

$$5231 \div 71 = 73 \text{ remainder } 48$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5231} \\ \underline{497} \end{array}$$

261
213

48 ← remainder

P₆₉₆ 5233

$$5233 \div 2 = 2616 \text{ remainder } 1$$

$$\begin{array}{r} 2616 \\ 2 \mid 5233 \\ \underline{4} \\ - \\ 12 \\ \underline{12} \\ -- \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5233 \div 3 = 1744 \text{ remainder } 1$$

$$\begin{array}{r} 1744 \\ 3 \mid 5233 \\ \underline{3} \\ - \\ 22 \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5233 \div 5 = 1046 \text{ remainder } 3$$

$$\begin{array}{r} 1046 \\ 5 \mid 5233 \\ \underline{5} \\ - \end{array}$$

```

2
0
-
23
20
--
33
30
--
3 ← remainder

```

$$5233 \div 7 = 747 \text{ remainder } 4$$

```

    747
7 | 5233
  49
  --
   33
   28
   --
   53
   49
   --
   4 ← remainder

```

$$5233 \div 11 = 475 \text{ remainder } 8$$

```

    475
11 | 5233
   44
   --
   83
   77
   --
   63
   55
   --
   8 ← remainder

```

$$5233 \div 13 = 402 \text{ remainder } 7$$

```

    402
13 | 5233
   52

```



```

--
3
0
-
33
26
--
7 ← remainder

```

$$5233 \div 17 = 307 \text{ remainder } 14$$

```

      307
17 | 5233
    51
    --
    13
    0
    -
    133
    119
    ---
    14 ← remainder

```

$$5233 \div 19 = 275 \text{ remainder } 8$$

```

      275
19 | 5233
    38
    --
    143
    133
    ---
    103
    95
    --
    8 ← remainder

```

$$5233 \div 23 = 227 \text{ remainder } 12$$

```

      227
23 | 5233
    46
    --
    63

```

```

46
--
173
161
---
12 ← remainder

```

$$5233 \div 29 = 180 \text{ remainder } 13$$

```

      180
29 | 5233
    29
    --
    233
    232
    ---
     13
     0
     -
     13 ← remainder

```

$$5233 \div 31 = 168 \text{ remainder } 25$$

```

      168
31 | 5233
    31
    --
    213
    186
    ---
     273
     248
     ---
      25 ← remainder

```

$$5233 \div 37 = 141 \text{ remainder } 16$$

```

      141
37 | 5233
    37
    --
    153
    148
    ---

```

53
 37
 --
 16 ← remainder

$$5233 \div 41 = 127 \text{ remainder } 26$$

127
 41 | 5233
 41
 --
 113
 82
 --
 313
 287

 26 ← remainder

$$5233 \div 43 = 121 \text{ remainder } 30$$

121
 43 | 5233
 43
 --
 93
 86
 --
 73
 43
 --
 30 ← remainder

$$5233 \div 47 = 111 \text{ remainder } 16$$

111
 47 | 5233
 47
 --
 53
 47
 --
 63
 47

--
16 ← remainder

$$5233 \div 53 = 98 \text{ remainder } 39$$

98
53 | 5233
477

463
424

39 ← remainder

$$5233 \div 59 = 88 \text{ remainder } 41$$

88
59 | 5233
472

513
472

41 ← remainder

$$5233 \div 61 = 85 \text{ remainder } 48$$

85
61 | 5233
488

353
305

48 ← remainder

$$5233 \div 67 = 78 \text{ remainder } 7$$

78
67 | 5233
469

543
536

7 ← remainder

$$5233 \div 71 = 73 \text{ remainder } 50$$

73
71 | 5233
497

263
213

50 ← remainder

P₆₉₇ 5237

$$5237 \div 2 = 2618 \text{ remainder } 1$$

$$\begin{array}{r} 2618 \\ 2 \mid 5237 \\ 4 \\ - \\ 12 \\ 12 \\ - - \\ 3 \\ 2 \\ - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5237 \div 3 = 1745 \text{ remainder } 2$$

$$\begin{array}{r} 1745 \\ 3 \mid 5237 \\ 3 \\ - \\ 22 \\ 21 \\ - - \\ 13 \\ 12 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5237 \div 5 = 1047 \text{ remainder } 2$$

$$\begin{array}{r} 1047 \\ 5 \mid 5237 \\ 5 \\ - \end{array}$$

```

2
0
-
23
20
--
37
35
--
2 ← remainder

```

$$5237 \div 7 = 748 \text{ remainder } 1$$

```

748
7 | 5237
49
--
33
28
--
57
56
--
1 ← remainder

```

$$5237 \div 11 = 476 \text{ remainder } 1$$

```

476
11 | 5237
44
--
83
77
--
67
66
--
1 ← remainder

```

$$5237 \div 13 = 402 \text{ remainder } 11$$

```

402
13 | 5237
52

```

```

--
3
0
-
37
26
--
11 ← remainder

```

$$5237 \div 17 = 308 \text{ remainder } 1$$

```

      308
17 | 5237
    51
    --
    13
    0
    -
    137
    136
    ---
    1 ← remainder

```

$$5237 \div 19 = 275 \text{ remainder } 12$$

```

      275
19 | 5237
    38
    --
    143
    133
    ---
    107
    95
    --
    12 ← remainder

```

$$5237 \div 23 = 227 \text{ remainder } 16$$

```

      227
23 | 5237
    46
    --
    63

```



```

46
--
177
161
---
16 ← remainder

```

$$5237 \div 29 = 180 \text{ remainder } 17$$

```

      180
29 | 5237
    29
    --
    233
    232
    ---
     17
     0
     -
     17 ← remainder

```

$$5237 \div 31 = 168 \text{ remainder } 29$$

```

      168
31 | 5237
    31
    --
    213
    186
    ---
     277
     248
     ---
      29 ← remainder

```

$$5237 \div 37 = 141 \text{ remainder } 20$$

```

      141
37 | 5237
    37
    --
    153
    148
    ---

```

57
 37
 --
 20 ← remainder

$$5237 \div 41 = 127 \text{ remainder } 30$$

127
 41 | 5237
 41
 --
 113
 82
 --
 317
 287

 30 ← remainder

$$5237 \div 43 = 121 \text{ remainder } 34$$

121
 43 | 5237
 43
 --
 93
 86
 --
 77
 43
 --
 34 ← remainder

$$5237 \div 47 = 111 \text{ remainder } 20$$

111
 47 | 5237
 47
 --
 53
 47
 --
 67
 47

--
20 ← remainder

$$5237 \div 53 = 98 \text{ remainder } 43$$

98
53 | 5237
477

467
424

43 ← remainder

$$5237 \div 59 = 88 \text{ remainder } 45$$

88
59 | 5237
472

517
472

45 ← remainder

$$5237 \div 61 = 85 \text{ remainder } 52$$

85
61 | 5237
488

357
305

52 ← remainder

$$5237 \div 67 = 78 \text{ remainder } 11$$

78
67 | 5237
469

547
536

11 ← remainder

$$5237 \div 71 = 73 \text{ remainder } 54$$

$$\begin{array}{r} 73 \\ 71 \overline{) 5237} \\ \underline{497} \end{array}$$

267
213

54 ← remainder

P₆₉₈ 5261

$$5261 \div 2 = 2630 \text{ remainder } 1$$

$$\begin{array}{r} 2630 \\ 2 \mid 5261 \\ 4 \\ - \\ 12 \\ 12 \\ - - \\ 6 \\ 6 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5261 \div 3 = 1753 \text{ remainder } 2$$

$$\begin{array}{r} 1753 \\ 3 \mid 5261 \\ 3 \\ - \\ 22 \\ 21 \\ - - \\ 16 \\ 15 \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5261 \div 5 = 1052 \text{ remainder } 1$$

$$\begin{array}{r} 1052 \\ 5 \mid 5261 \\ 5 \\ - \end{array}$$

```

2
0
-
26
25
--
11
10
--
1 ← remainder

```

$$5261 \div 7 = 751 \text{ remainder } 4$$

```

    751
7 | 5261
  49
  --
   36
   35
   --
    11
    7
    -
    4 ← remainder

```

$$5261 \div 11 = 478 \text{ remainder } 3$$

```

    478
11 | 5261
   44
   --
   86
   77
   --
   91
   88
   --
   3 ← remainder

```

$$5261 \div 13 = 404 \text{ remainder } 9$$

```

    404
13 | 5261
   52

```

```

--
6
0
-
61
52
--
9 ← remainder

```

$$5261 \div 17 = 309 \text{ remainder } 8$$

```

      309
17 | 5261
    51
    --
    16
    0
    -
    161
    153
    ---
    8 ← remainder

```

$$5261 \div 19 = 276 \text{ remainder } 17$$

```

      276
19 | 5261
    38
    --
    146
    133
    ---
    131
    114
    ---
    17 ← remainder

```

$$5261 \div 23 = 228 \text{ remainder } 17$$

```

      228
23 | 5261
    46
    --
    66

```

```

46
--
201
184
---
17 ← remainder

```

$$5261 \div 29 = 181 \text{ remainder } 12$$

```

      181
29 | 5261
    29
    --
    236
    232
    ---
     41
     29
     --
     12 ← remainder

```

$$5261 \div 31 = 169 \text{ remainder } 22$$

```

      169
31 | 5261
    31
    --
    216
    186
    ---
    301
    279
    ---
     22 ← remainder

```

$$5261 \div 37 = 142 \text{ remainder } 7$$

```

      142
37 | 5261
    37
    --
    156
    148
    ---

```



```

81
74
--
7 ← remainder

```

$$5261 \div 41 = 128 \text{ remainder } 13$$

```

128
41 | 5261
   41
   --
   116
   82
   --
   341
   328
   ---
   13 ← remainder

```

$$5261 \div 43 = 122 \text{ remainder } 15$$

```

122
43 | 5261
   43
   --
   96
   86
   --
   101
   86
   --
   15 ← remainder

```

$$5261 \div 47 = 111 \text{ remainder } 44$$

```

111
47 | 5261
   47
   --
   56
   47
   --
   91
   47

```

--
44 ← remainder

$$5261 \div 53 = 99 \text{ remainder } 14$$

99
53 | 5261
477

491
477

14 ← remainder

$$5261 \div 59 = 89 \text{ remainder } 10$$

89
59 | 5261
472

541
531

10 ← remainder

$$5261 \div 61 = 86 \text{ remainder } 15$$

86
61 | 5261
488

381
366

15 ← remainder

$$5261 \div 67 = 78 \text{ remainder } 35$$

78
67 | 5261
469

571
536

35 ← remainder

$$5261 \div 71 = 74 \text{ remainder } 7$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5261} \\ \underline{497} \end{array}$$

291

284

7 ← remainder

P₆₉₉ 5273

$$5273 \div 2 = 2636 \text{ remainder } 1$$

$$\begin{array}{r} 2636 \\ 2 \mid 5273 \\ 4 \\ - \\ 12 \\ 12 \\ - - \\ 7 \\ 6 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5273 \div 3 = 1757 \text{ remainder } 2$$

$$\begin{array}{r} 1757 \\ 3 \mid 5273 \\ 3 \\ - \\ 22 \\ 21 \\ - - \\ 17 \\ 15 \\ - - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5273 \div 5 = 1054 \text{ remainder } 3$$

$$\begin{array}{r} 1054 \\ 5 \mid 5273 \\ 5 \\ - \end{array}$$

```

2
0
-
27
25
--
23
20
--
3 ← remainder

```

$$5273 \div 7 = 753 \text{ remainder } 2$$

```

    753
7 | 5273
  49
  --
  37
  35
  --
  23
  21
  --
  2 ← remainder

```

$$5273 \div 11 = 479 \text{ remainder } 4$$

```

    479
11 | 5273
   44
   --
   87
   77
   --
  103
   99
   --
   4 ← remainder

```

$$5273 \div 13 = 405 \text{ remainder } 8$$

```

    405
13 | 5273
   52

```

```

--
7
0
-
73
65
--
8 ← remainder

```

$$5273 \div 17 = 310 \text{ remainder } 3$$

```

    310
17 | 5273
    51
    --
    17
    17
    --
    3
    0
    -
    3 ← remainder

```

$$5273 \div 19 = 277 \text{ remainder } 10$$

```

    277
19 | 5273
    38
    --
    147
    133
    ---
    143
    133
    ---
    10 ← remainder

```

$$5273 \div 23 = 229 \text{ remainder } 6$$

```

    229
23 | 5273
    46
    --
    67

```

```

46
--
213
207
---
6 ← remainder

```

$$5273 \div 29 = 181 \text{ remainder } 24$$

```

      181
29 | 5273
    29
    --
    237
    232
    ---
     53
     29
     --
    24 ← remainder

```

$$5273 \div 31 = 170 \text{ remainder } 3$$

```

      170
31 | 5273
    31
    --
    217
    217
    ---
     3
     0
     -
    3 ← remainder

```

$$5273 \div 37 = 142 \text{ remainder } 19$$

```

      142
37 | 5273
    37
    --
    157
    148
    ---

```

93
 74
 --
 19 ← remainder

$$5273 \div 41 = 128 \text{ remainder } 25$$

128
 41 | 5273
 41
 --
 117
 82
 --
 353
 328

 25 ← remainder

$$5273 \div 43 = 122 \text{ remainder } 27$$

122
 43 | 5273
 43
 --
 97
 86
 --
 113
 86
 --
 27 ← remainder

$$5273 \div 47 = 112 \text{ remainder } 9$$

112
 47 | 5273
 47
 --
 57
 47
 --
 103
 94

--
9 ← remainder

$$5273 \div 53 = 99 \text{ remainder } 26$$

99
53 | 5273
477

503
477

26 ← remainder

$$5273 \div 59 = 89 \text{ remainder } 22$$

89
59 | 5273
472

553
531

22 ← remainder

$$5273 \div 61 = 86 \text{ remainder } 27$$

86
61 | 5273
488

393
366

27 ← remainder

$$5273 \div 67 = 78 \text{ remainder } 47$$

78
67 | 5273
469

583
536

47 ← remainder

$$5273 \div 71 = 74 \text{ remainder } 19$$

74
71 | 5273
497

303

284

19 ← remainder

P₇₀₀ 5279

$$5279 \div 2 = 2639 \text{ remainder } 1$$

$$\begin{array}{r} 2639 \\ 2 \mid 5279 \\ 4 \\ - \\ 12 \\ 12 \\ - - \\ 7 \\ 6 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5279 \div 3 = 1759 \text{ remainder } 2$$

$$\begin{array}{r} 1759 \\ 3 \mid 5279 \\ 3 \\ - \\ 22 \\ 21 \\ - - \\ 17 \\ 15 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5279 \div 5 = 1055 \text{ remainder } 4$$

$$\begin{array}{r} 1055 \\ 5 \mid 5279 \\ 5 \\ - \end{array}$$

```

2
0
-
27
25
--
29
25
--
4 ← remainder

```

$$5279 \div 7 = 754 \text{ remainder } 1$$

```

    754
7 | 5279
   49
   --
   37
   35
   --
   29
   28
   --
   1 ← remainder

```

$$5279 \div 11 = 479 \text{ remainder } 10$$

```

    479
11 | 5279
   44
   --
   87
   77
   --
  109
   99
   --
  10 ← remainder

```

$$5279 \div 13 = 406 \text{ remainder } 1$$

```

    406
13 | 5279
   52

```

```

--
7
0
-
79
78
--
1 ← remainder

```

$$5279 \div 17 = 310 \text{ remainder } 9$$

```

      310
17 | 5279
    51
    --
    17
    17
    --
    9
    0
    -
    9 ← remainder

```

$$5279 \div 19 = 277 \text{ remainder } 16$$

```

      277
19 | 5279
    38
    --
    147
    133
    ---
    149
    133
    ---
    16 ← remainder

```

$$5279 \div 23 = 229 \text{ remainder } 12$$

```

      229
23 | 5279
    46
    --
    67

```

```

46
--
219
207
---
12 ← remainder

```

$$5279 \div 29 = 182 \text{ remainder } 1$$

```

      182
29 | 5279
    29
    --
    237
    232
    ---
     59
     58
     --
     1 ← remainder

```

$$5279 \div 31 = 170 \text{ remainder } 9$$

```

      170
31 | 5279
    31
    --
    217
    217
    ---
     9
     0
     -
     9 ← remainder

```

$$5279 \div 37 = 142 \text{ remainder } 25$$

```

      142
37 | 5279
    37
    --
    157
    148
    ---

```

99
 74
 --
 25 ← remainder

$$5279 \div 41 = 128 \text{ remainder } 31$$

128
 41 | 5279
 41
 --
 117
 82
 --
 359
 328

 31 ← remainder

$$5279 \div 43 = 122 \text{ remainder } 33$$

122
 43 | 5279
 43
 --
 97
 86
 --
 119
 86
 --
 33 ← remainder

$$5279 \div 47 = 112 \text{ remainder } 15$$

112
 47 | 5279
 47
 --
 57
 47
 --
 109
 94

--
15 ← remainder

$$5279 \div 53 = 99 \text{ remainder } 32$$

99
53 | 5279
477

509
477

32 ← remainder

$$5279 \div 59 = 89 \text{ remainder } 28$$

89
59 | 5279
472

559
531

28 ← remainder

$$5279 \div 61 = 86 \text{ remainder } 33$$

86
61 | 5279
488

399
366

33 ← remainder

$$5279 \div 67 = 78 \text{ remainder } 53$$

78
67 | 5279
469

589
536

53 ← remainder

$$5279 \div 71 = 74 \text{ remainder } 25$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5279} \\ \underline{497} \end{array}$$

309
284

25 ← remainder

P₇₀₁ 5281

$$5281 \div 2 = 2640 \text{ remainder } 1$$

$$\begin{array}{r} 2640 \\ 2 \mid 5281 \\ \underline{4} \\ - \\ 12 \\ \underline{12} \\ - - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5281 \div 3 = 1760 \text{ remainder } 1$$

$$\begin{array}{r} 1760 \\ 3 \mid 5281 \\ \underline{3} \\ - \\ 22 \\ \underline{21} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5281 \div 5 = 1056 \text{ remainder } 1$$

$$\begin{array}{r} 1056 \\ 5 \mid 5281 \\ \underline{5} \\ - \end{array}$$

```

2
0
-
28
25
--
31
30
--
1 ← remainder

```

$$5281 \div 7 = 754 \text{ remainder } 3$$

```

    754
7 | 5281
  49
  --
   38
   35
   --
    31
    28
    --
    3 ← remainder

```

$$5281 \div 11 = 480 \text{ remainder } 1$$

```

    480
11 | 5281
   44
   --
    88
    88
    --
     1
     0
     -
     1 ← remainder

```

$$5281 \div 13 = 406 \text{ remainder } 3$$

```

    406
13 | 5281
   52

```

```

--
8
0
-
81
78
--
3 ← remainder

```

$$5281 \div 17 = 310 \text{ remainder } 11$$

```

    310
17 | 5281
    51
    --
    18
    17
    --
    11
    0
    -
    11 ← remainder

```

$$5281 \div 19 = 277 \text{ remainder } 18$$

```

    277
19 | 5281
    38
    --
    148
    133
    ---
    151
    133
    ---
    18 ← remainder

```

$$5281 \div 23 = 229 \text{ remainder } 14$$

```

    229
23 | 5281
    46
    --
    68

```

```

46
--
221
207
---
14 ← remainder

```

$$5281 \div 29 = 182 \text{ remainder } 3$$

```

      182
29 | 5281
    29
    --
    238
    232
    ---
     61
     58
     --
     3 ← remainder

```

$$5281 \div 31 = 170 \text{ remainder } 11$$

```

      170
31 | 5281
    31
    --
    218
    217
    ---
     11
     0
     -
     11 ← remainder

```

$$5281 \div 37 = 142 \text{ remainder } 27$$

```

      142
37 | 5281
    37
    --
    158
    148
    ---

```

```

101
74
--
27 ← remainder

```

$$5281 \div 41 = 128 \text{ remainder } 33$$

```

128
41 | 5281
   41
   --
   118
   82
   --
   361
   328
   ---
   33 ← remainder

```

$$5281 \div 43 = 122 \text{ remainder } 35$$

```

122
43 | 5281
   43
   --
   98
   86
   --
   121
   86
   --
   35 ← remainder

```

$$5281 \div 47 = 112 \text{ remainder } 17$$

```

112
47 | 5281
   47
   --
   58
   47
   --
   111
   94

```

--
17 ← remainder

$$5281 \div 53 = 99 \text{ remainder } 34$$

99
53 | 5281
477

511
477

34 ← remainder

$$5281 \div 59 = 89 \text{ remainder } 30$$

89
59 | 5281
472

561
531

30 ← remainder

$$5281 \div 61 = 86 \text{ remainder } 35$$

86
61 | 5281
488

401
366

35 ← remainder

$$5281 \div 67 = 78 \text{ remainder } 55$$

78
67 | 5281
469

591
536

55 ← remainder

$$5281 \div 71 = 74 \text{ remainder } 27$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5281} \\ \underline{497} \end{array}$$

311
284

27 ← remainder

P₇₀₂ 5297

$$5297 \div 2 = 2648 \text{ remainder } 1$$

$$\begin{array}{r} 2648 \\ 2 \mid 5297 \\ 4 \\ - \\ 12 \\ 12 \\ - - \\ 9 \\ 8 \\ - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5297 \div 3 = 1765 \text{ remainder } 2$$

$$\begin{array}{r} 1765 \\ 3 \mid 5297 \\ 3 \\ - \\ 22 \\ 21 \\ - - \\ 19 \\ 18 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5297 \div 5 = 1059 \text{ remainder } 2$$

$$\begin{array}{r} 1059 \\ 5 \mid 5297 \\ 5 \\ - \end{array}$$

```

2
0
-
29
25
--
47
45
--
2 ← remainder

```

$$5297 \div 7 = 756 \text{ remainder } 5$$

```

    756
7 | 5297
  49
  --
  39
  35
  --
  47
  42
  --
  5 ← remainder

```

$$5297 \div 11 = 481 \text{ remainder } 6$$

```

    481
11 | 5297
   44
   --
   89
   88
   --
   17
   11
   --
   6 ← remainder

```

$$5297 \div 13 = 407 \text{ remainder } 6$$

```

    407
13 | 5297
   52

```

```

--
9
0
-
97
91
--
6 ← remainder

```

$$5297 \div 17 = 311 \text{ remainder } 10$$

```

      311
17 | 5297
    51
    --
    19
    17
    --
    27
    17
    --
    10 ← remainder

```

$$5297 \div 19 = 278 \text{ remainder } 15$$

```

      278
19 | 5297
    38
    --
    149
    133
    ---
    167
    152
    ---
    15 ← remainder

```

$$5297 \div 23 = 230 \text{ remainder } 7$$

```

      230
23 | 5297
    46
    --
    69

```

```

69
--
7
0
-
7 ← remainder

```

$$5297 \div 29 = 182 \text{ remainder } 19$$

```

      182
29 | 5297
    29
    --
    239
    232
    ---
     77
     58
     --
     19 ← remainder

```

$$5297 \div 31 = 170 \text{ remainder } 27$$

```

      170
31 | 5297
    31
    --
    219
    217
    ---
     27
     0
     -
     27 ← remainder

```

$$5297 \div 37 = 143 \text{ remainder } 6$$

```

      143
37 | 5297
    37
    --
    159
    148
    ---

```

```

117
111
---
6 ← remainder

```

$$5297 \div 41 = 129 \text{ remainder } 8$$

```

129
41 | 5297
   41
   --
   119
   82
   --
   377
   369
   ---
   8 ← remainder

```

$$5297 \div 43 = 123 \text{ remainder } 8$$

```

123
43 | 5297
   43
   --
   99
   86
   --
   137
   129
   ---
   8 ← remainder

```

$$5297 \div 47 = 112 \text{ remainder } 33$$

```

112
47 | 5297
   47
   --
   59
   47
   --
   127
   94

```

--
33 ← remainder

$$5297 \div 53 = 99 \text{ remainder } 50$$

99
53 | 5297
477

527
477

50 ← remainder

$$5297 \div 59 = 89 \text{ remainder } 46$$

89
59 | 5297
472

577
531

46 ← remainder

$$5297 \div 61 = 86 \text{ remainder } 51$$

86
61 | 5297
488

417
366

51 ← remainder

$$5297 \div 67 = 79 \text{ remainder } 4$$

79
67 | 5297
469

607
603

4 ← remainder

$$5297 \div 71 = 74 \text{ remainder } 43$$

$$\begin{array}{r} 74 \\ 71 \overline{) 5297} \\ \underline{497} \end{array}$$

327
284

43 ← remainder

P₇₀₃ 5303

$$5303 \div 2 = 2651 \text{ remainder } 1$$

$$\begin{array}{r} 2651 \\ 2 \mid 5303 \\ 4 \\ - \\ 13 \\ 12 \\ - - \\ 10 \\ 10 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5303 \div 3 = 1767 \text{ remainder } 2$$

$$\begin{array}{r} 1767 \\ 3 \mid 5303 \\ 3 \\ - \\ 23 \\ 21 \\ - - \\ 20 \\ 18 \\ - - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5303 \div 5 = 1060 \text{ remainder } 3$$

$$\begin{array}{r} 1060 \\ 5 \mid 5303 \\ 5 \\ - \end{array}$$


```

3
0
-
30
30
--
3
0
-
3 ← remainder

```

$$5303 \div 7 = 757 \text{ remainder } 4$$

```

757
7 | 5303
49
--
40
35
--
53
49
--
4 ← remainder

```

$$5303 \div 11 = 482 \text{ remainder } 1$$

```

482
11 | 5303
44
--
90
88
--
23
22
--
1 ← remainder

```

$$5303 \div 13 = 407 \text{ remainder } 12$$

```

407
13 | 5303
52

```

```

--
10
0
-
103
91
--
12 ← remainder

```

$$5303 \div 17 = 311 \text{ remainder } 16$$

```

      311
17 | 5303
    51
    --
    20
    17
    --
    33
    17
    --
    16 ← remainder

```

$$5303 \div 19 = 279 \text{ remainder } 2$$

```

      279
19 | 5303
    38
    --
    150
    133
    ---
    173
    171
    ---
    2 ← remainder

```

$$5303 \div 23 = 230 \text{ remainder } 13$$

```

      230
23 | 5303
    46
    --
    70

```

```

69
--
13
0
-
13 ← remainder

```

$$5303 \div 29 = 182 \text{ remainder } 25$$

```

      182
29 | 5303
    29
    --
    240
    232
    ---
     83
     58
     --
     25 ← remainder

```

$$5303 \div 31 = 171 \text{ remainder } 2$$

```

      171
31 | 5303
    31
    --
    220
    217
    ---
     33
     31
     --
      2 ← remainder

```

$$5303 \div 37 = 143 \text{ remainder } 12$$

```

      143
37 | 5303
    37
    --
    160
    148
    ---

```

```

123
111
---
12 ← remainder

```

$$5303 \div 41 = 129 \text{ remainder } 14$$

```

129
41 | 5303
   41
   --
   120
   82
   --
   383
   369
   ---
   14 ← remainder

```

$$5303 \div 43 = 123 \text{ remainder } 14$$

```

123
43 | 5303
   43
   --
   100
   86
   --
   143
   129
   ---
   14 ← remainder

```

$$5303 \div 47 = 112 \text{ remainder } 39$$

```

112
47 | 5303
   47
   --
   60
   47
   --
   133
   94

```

--
39 ← remainder

$$5303 \div 53 = 100 \text{ remainder } 3$$

100
53 | 5303
53
--
0
0
-
3
0
-
3 ← remainder

$$5303 \div 59 = 89 \text{ remainder } 52$$

89
59 | 5303
472

583
531

52 ← remainder

$$5303 \div 61 = 86 \text{ remainder } 57$$

86
61 | 5303
488

423
366

57 ← remainder

$$5303 \div 67 = 79 \text{ remainder } 10$$

79
67 | 5303
469

613

603

10 \leftarrow remainder

$5303 \div 71 = 74$ remainder 49

74

71 | 5303

497

333

284

49 \leftarrow remainder

P₇₀₄ 5309

$$5309 \div 2 = 2654 \text{ remainder } 1$$

$$\begin{array}{r} 2654 \\ 2 \mid 5309 \\ 4 \\ - \\ 13 \\ 12 \\ - - \\ 10 \\ 10 \\ - - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5309 \div 3 = 1769 \text{ remainder } 2$$

$$\begin{array}{r} 1769 \\ 3 \mid 5309 \\ 3 \\ - \\ 23 \\ 21 \\ - - \\ 20 \\ 18 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5309 \div 5 = 1061 \text{ remainder } 4$$

$$\begin{array}{r} 1061 \\ 5 \mid 5309 \\ 5 \\ - \end{array}$$

```

3
0
-
30
30
--
9
5
-
4 ← remainder

```

$$5309 \div 7 = 758 \text{ remainder } 3$$

```

758
7 | 5309
  49
  --
  40
  35
  --
  59
  56
  --
  3 ← remainder

```

$$5309 \div 11 = 482 \text{ remainder } 7$$

```

482
11 | 5309
   44
   --
   90
   88
   --
   29
   22
   --
   7 ← remainder

```

$$5309 \div 13 = 408 \text{ remainder } 5$$

```

408
13 | 5309
   52

```



```

--
10
0
-
109
104
---
5 ← remainder

```

$$5309 \div 17 = 312 \text{ remainder } 5$$

```

      312
17 | 5309
    51
    --
    20
    17
    --
    39
    34
    --
    5 ← remainder

```

$$5309 \div 19 = 279 \text{ remainder } 8$$

```

      279
19 | 5309
    38
    --
    150
    133
    ---
    179
    171
    ---
    8 ← remainder

```

$$5309 \div 23 = 230 \text{ remainder } 19$$

```

      230
23 | 5309
    46
    --
    70

```

```

69
--
19
0
-
19 ← remainder

```

$$5309 \div 29 = 183 \text{ remainder } 2$$

```

      183
29 | 5309
    29
    --
    240
    232
    ---
     89
     87
     --
     2 ← remainder

```

$$5309 \div 31 = 171 \text{ remainder } 8$$

```

      171
31 | 5309
    31
    --
    220
    217
    ---
     39
     31
     --
     8 ← remainder

```

$$5309 \div 37 = 143 \text{ remainder } 18$$

```

      143
37 | 5309
    37
    --
    160
    148
    ---

```

```

129
111
---
18 ← remainder

```

$$5309 \div 41 = 129 \text{ remainder } 20$$

```

129
41 | 5309
   41
   --
   120
   82
   --
   389
   369
   ---
   20 ← remainder

```

$$5309 \div 43 = 123 \text{ remainder } 20$$

```

123
43 | 5309
   43
   --
   100
   86
   --
   149
   129
   ---
   20 ← remainder

```

$$5309 \div 47 = 112 \text{ remainder } 45$$

```

112
47 | 5309
   47
   --
   60
   47
   --
   139
   94

```

--
45 ← remainder

$$5309 \div 53 = 100 \text{ remainder } 9$$

100
53 | 5309
53
--
0
0
-
9
0
-
9 ← remainder

$$5309 \div 59 = 89 \text{ remainder } 58$$

89
59 | 5309
472

589
531

58 ← remainder

$$5309 \div 61 = 87 \text{ remainder } 2$$

87
61 | 5309
488

429
427

2 ← remainder

$$5309 \div 67 = 79 \text{ remainder } 16$$

79
67 | 5309
469

619
603

16 \leftarrow remainder

$5309 \div 71 = 74$ remainder 55

74
71 | 5309
497

339
284

55 \leftarrow remainder

P₇₀₅ 5323

$$5323 \div 2 = 2661 \text{ remainder } 1$$

$$\begin{array}{r} 2661 \\ 2 \mid 5323 \\ 4 \\ - \\ 13 \\ 12 \\ - - \\ 12 \\ 12 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 3 = 1774 \text{ remainder } 1$$

$$\begin{array}{r} 1774 \\ 3 \mid 5323 \\ 3 \\ - \\ 23 \\ 21 \\ - - \\ 22 \\ 21 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 5 = 1064 \text{ remainder } 3$$

$$\begin{array}{r} 1064 \\ 5 \mid 5323 \\ 5 \\ - \end{array}$$

```

3
0
-
32
30
--
23
20
--
3 ← remainder

```

$$5323 \div 7 = 760 \text{ remainder } 3$$

```

    760
7 | 5323
   49
   --
   42
   42
   --
    3
    0
    -
    3 ← remainder

```

$$5323 \div 11 = 483 \text{ remainder } 10$$

```

    483
11 | 5323
   44
   --
   92
   88
   --
   43
   33
   --
   10 ← remainder

```

$$5323 \div 13 = 409 \text{ remainder } 6$$

```

    409
13 | 5323
   52

```

```

--
12
0
-
123
117
---
6 ← remainder

```

$$5323 \div 17 = 313 \text{ remainder } 2$$

```

    313
17 | 5323
    51
    --
    22
    17
    --
    53
    51
    --
    2 ← remainder

```

$$5323 \div 19 = 280 \text{ remainder } 3$$

```

    280
19 | 5323
    38
    --
    152
    152
    ---
     3
     0
     -
     3 ← remainder

```

$$5323 \div 23 = 231 \text{ remainder } 10$$

```

    231
23 | 5323
    46
    --
    72

```



```

69
--
33
23
--
10 ← remainder

```

$$5323 \div 29 = 183 \text{ remainder } 16$$

```

      183
29 | 5323
    29
    --
    242
    232
    ---
    103
    87
    --
    16 ← remainder

```

$$5323 \div 31 = 171 \text{ remainder } 22$$

```

      171
31 | 5323
    31
    --
    222
    217
    ---
    53
    31
    --
    22 ← remainder

```

$$5323 \div 37 = 143 \text{ remainder } 32$$

```

      143
37 | 5323
    37
    --
    162
    148
    ---

```

```

143
111
---
32 ← remainder

```

$$5323 \div 41 = 129 \text{ remainder } 34$$

```

129
41 | 5323
   41
   --
   122
   82
   --
   403
   369
   ---
   34 ← remainder

```

$$5323 \div 43 = 123 \text{ remainder } 34$$

```

123
43 | 5323
   43
   --
   102
   86
   --
   163
   129
   ---
   34 ← remainder

```

$$5323 \div 47 = 113 \text{ remainder } 12$$

```

113
47 | 5323
   47
   --
   62
   47
   --
   153
   141

```

12 ← remainder

$$5323 \div 53 = 100 \text{ remainder } 23$$

$$\begin{array}{r} 100 \\ 53 \overline{) 5323} \\ \underline{53} \\ -- \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{0} \\ - \\ 23 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 59 = 90 \text{ remainder } 13$$

$$\begin{array}{r} 90 \\ 59 \overline{) 5323} \\ \underline{531} \\ --- \\ 13 \\ \underline{0} \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 61 = 87 \text{ remainder } 16$$

$$\begin{array}{r} 87 \\ 61 \overline{) 5323} \\ \underline{488} \\ --- \\ 443 \\ \underline{427} \\ --- \\ 16 \leftarrow \text{remainder} \end{array}$$

$$5323 \div 67 = 79 \text{ remainder } 30$$

$$\begin{array}{r} 79 \\ 67 \overline{) 5323} \\ \underline{469} \end{array}$$

633

603

30 \leftarrow remainder

$5323 \div 71 = 74$ remainder 69

74

71 | 5323

497

353

284

69 \leftarrow remainder

P₇₀₆ 5333

$$5333 \div 2 = 2666 \text{ remainder } 1$$

$$\begin{array}{r} 2666 \\ 2 \mid 5333 \\ 4 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5333 \div 3 = 1777 \text{ remainder } 2$$

$$\begin{array}{r} 1777 \\ 3 \mid 5333 \\ 3 \\ - \\ 23 \\ 21 \\ - \\ 23 \\ 21 \\ - \\ 23 \\ 21 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5333 \div 5 = 1066 \text{ remainder } 3$$

$$\begin{array}{r} 1066 \\ 5 \mid 5333 \\ 5 \\ - \end{array}$$

```

3
0
-
33
30
--
33
30
--
3 ← remainder

```

$$5333 \div 7 = 761 \text{ remainder } 6$$

```

761
7 | 5333
49
--
43
42
--
13
7
-
6 ← remainder

```

$$5333 \div 11 = 484 \text{ remainder } 9$$

```

484
11 | 5333
44
--
93
88
--
53
44
--
9 ← remainder

```

$$5333 \div 13 = 410 \text{ remainder } 3$$

```

410
13 | 5333
52

```

```

--
13
13
--
3
0
-
3 ← remainder

```

$$5333 \div 17 = 313 \text{ remainder } 12$$

```

      313
17 | 5333
    51
    --
    23
    17
    --
    63
    51
    --
    12 ← remainder

```

$$5333 \div 19 = 280 \text{ remainder } 13$$

```

      280
19 | 5333
    38
    --
    153
    152
    ---
    13
    0
    -
    13 ← remainder

```

$$5333 \div 23 = 231 \text{ remainder } 20$$

```

      231
23 | 5333
    46
    --
    73

```

```

69
--
43
23
--
20 ← remainder

```

$$5333 \div 29 = 183 \text{ remainder } 26$$

```

      183
29 | 5333
    29
    --
    243
    232
    ---
    113
    87
    --
    26 ← remainder

```

$$5333 \div 31 = 172 \text{ remainder } 1$$

```

      172
31 | 5333
    31
    --
    223
    217
    ---
    63
    62
    --
    1 ← remainder

```

$$5333 \div 37 = 144 \text{ remainder } 5$$

```

      144
37 | 5333
    37
    --
    163
    148
    ---

```



```

153
148
---
5 ← remainder

```

$$5333 \div 41 = 130 \text{ remainder } 3$$

```

      130
41 | 5333
    41
    --
    123
    123
    ---
     3
     0
     -
     3 ← remainder

```

$$5333 \div 43 = 124 \text{ remainder } 1$$

```

      124
43 | 5333
    43
    --
    103
    86
    --
    173
    172
    ---
     1 ← remainder

```

$$5333 \div 47 = 113 \text{ remainder } 22$$

```

      113
47 | 5333
    47
    --
    63
    47
    --
    163
    141

```

22 ← remainder

$$5333 \div 53 = 100 \text{ remainder } 33$$

100
53 | 5333
53
--
3
0
-
33
0
-
33 ← remainder

$$5333 \div 59 = 90 \text{ remainder } 23$$

90
59 | 5333
531

23
0
-
23 ← remainder

$$5333 \div 61 = 87 \text{ remainder } 26$$

87
61 | 5333
488

453
427

26 ← remainder

$$5333 \div 67 = 79 \text{ remainder } 40$$

79
67 | 5333
469

```

  ---
643
603
  ---
40 ← remainder

```

$$5333 \div 71 = 75 \text{ remainder } 8$$

```

    75
71 | 5333
    497
    ---
    363
    355
    ---
    8 ← remainder

```

$$5333 \div 73 = 73 \text{ remainder } 4$$

```

    73
73 | 5333
    511
    ---
    223
    219
    ---
    4 ← remainder

```

P₇₀₇ 5347

$$5347 \div 2 = 2673 \text{ remainder } 1$$

$$\begin{array}{r} 2673 \\ 2 \mid 5347 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5347 \div 3 = 1782 \text{ remainder } 1$$

$$\begin{array}{r} 1782 \\ 3 \mid 5347 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5347 \div 5 = 1069 \text{ remainder } 2$$

$$\begin{array}{r} 1069 \\ 5 \mid 5347 \\ \underline{5} \\ - \end{array}$$

```

3
0
-
34
30
--
47
45
--
2 ← remainder

```

$$5347 \div 7 = 763 \text{ remainder } 6$$

```

763
7 | 5347
  49
  --
  44
  42
  --
  27
  21
  --
  6 ← remainder

```

$$5347 \div 11 = 486 \text{ remainder } 1$$

```

486
11 | 5347
   44
   --
   94
   88
   --
   67
   66
   --
   1 ← remainder

```

$$5347 \div 13 = 411 \text{ remainder } 4$$

```

411
13 | 5347
   52

```

```

--
14
13
--
17
13
--
4 ← remainder

```

$$5347 \div 17 = 314 \text{ remainder } 9$$

```

      314
17 | 5347
    51
    --
    24
    17
    --
    77
    68
    --
    9 ← remainder

```

$$5347 \div 19 = 281 \text{ remainder } 8$$

```

      281
19 | 5347
    38
    --
    154
    152
    ---
    27
    19
    --
    8 ← remainder

```

$$5347 \div 23 = 232 \text{ remainder } 11$$

```

      232
23 | 5347
    46
    --
    74

```

```

69
--
57
46
--
11 ← remainder

```

$$5347 \div 29 = 184 \text{ remainder } 11$$

```

      184
29 | 5347
    29
    --
    244
    232
    ---
     127
     116
     ---
      11 ← remainder

```

$$5347 \div 31 = 172 \text{ remainder } 15$$

```

      172
31 | 5347
    31
    --
    224
    217
    ---
     77
     62
     --
      15 ← remainder

```

$$5347 \div 37 = 144 \text{ remainder } 19$$

```

      144
37 | 5347
    37
    --
    164
    148
    ---

```

```

167
148
---
19 ← remainder

```

$$5347 \div 41 = 130 \text{ remainder } 17$$

```

130
41 | 5347
   41
   --
   124
   123
   ---
    17
    0
    -
    17 ← remainder

```

$$5347 \div 43 = 124 \text{ remainder } 15$$

```

124
43 | 5347
   43
   --
   104
   86
   --
   187
   172
   ---
    15 ← remainder

```

$$5347 \div 47 = 113 \text{ remainder } 36$$

```

113
47 | 5347
   47
   --
   64
   47
   --
   177
   141

```

36 ← remainder

$$5347 \div 53 = 100 \text{ remainder } 47$$

100
53 | 5347
53
--
4
0
-
47
0
-
47 ← remainder

$$5347 \div 59 = 90 \text{ remainder } 37$$

90
59 | 5347
531

37
0
-
37 ← remainder

$$5347 \div 61 = 87 \text{ remainder } 40$$

87
61 | 5347
488

467
427

40 ← remainder

$$5347 \div 67 = 79 \text{ remainder } 54$$

79
67 | 5347
469

657
603

54 ← remainder

$$5347 \div 71 = 75 \text{ remainder } 22$$

75
71 | 5347
497

377
355

22 ← remainder

$$5347 \div 73 = 73 \text{ remainder } 18$$

73
73 | 5347
511

237
219

18 ← remainder

P₇₀₈ 5351

$$5351 \div 2 = 2675 \text{ remainder } 1$$

$$\begin{array}{r} 2675 \\ 2 \mid 5351 \\ 4 \\ - \\ 13 \\ 12 \\ - - \\ 15 \\ 14 \\ - - \\ 11 \\ 10 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5351 \div 3 = 1783 \text{ remainder } 2$$

$$\begin{array}{r} 1783 \\ 3 \mid 5351 \\ 3 \\ - \\ 23 \\ 21 \\ - - \\ 25 \\ 24 \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5351 \div 5 = 1070 \text{ remainder } 1$$

$$\begin{array}{r} 1070 \\ 5 \mid 5351 \\ 5 \\ - \end{array}$$

```

3
0
-
35
35
--
1
0
-
1 ← remainder

```

$$5351 \div 7 = 764 \text{ remainder } 3$$

```

764
7 | 5351
49
--
45
42
--
31
28
--
3 ← remainder

```

$$5351 \div 11 = 486 \text{ remainder } 5$$

```

486
11 | 5351
44
--
95
88
--
71
66
--
5 ← remainder

```

$$5351 \div 13 = 411 \text{ remainder } 8$$

```

411
13 | 5351
52

```

```

--
15
13
--
21
13
--
8 ← remainder

```

$$5351 \div 17 = 314 \text{ remainder } 13$$

```

      314
17 | 5351
    51
    --
    25
    17
    --
    81
    68
    --
    13 ← remainder

```

$$5351 \div 19 = 281 \text{ remainder } 12$$

```

      281
19 | 5351
    38
    --
    155
    152
    ---
    31
    19
    --
    12 ← remainder

```

$$5351 \div 23 = 232 \text{ remainder } 15$$

```

      232
23 | 5351
    46
    --
    75

```

```

69
--
61
46
--
15 ← remainder

```

$$5351 \div 29 = 184 \text{ remainder } 15$$

```

      184
29 | 5351
    29
    --
    245
    232
    ---
    131
    116
    ---
    15 ← remainder

```

$$5351 \div 31 = 172 \text{ remainder } 19$$

```

      172
31 | 5351
    31
    --
    225
    217
    ---
    81
    62
    --
    19 ← remainder

```

$$5351 \div 37 = 144 \text{ remainder } 23$$

```

      144
37 | 5351
    37
    --
    165
    148
    ---

```

```

171
148
---
23 ← remainder

```

$$5351 \div 41 = 130 \text{ remainder } 21$$

```

      130
41 | 5351
    41
    --
    125
    123
    ---
     21
     0
     -
     21 ← remainder

```

$$5351 \div 43 = 124 \text{ remainder } 19$$

```

      124
43 | 5351
    43
    --
    105
    86
    --
    191
    172
    ---
     19 ← remainder

```

$$5351 \div 47 = 113 \text{ remainder } 40$$

```

      113
47 | 5351
    47
    --
     65
     47
     --
     181
     141

```

40 ← remainder

$$5351 \div 53 = 100 \text{ remainder } 51$$

100
53 | 5351
53
--
5
0
-
51
0
-
51 ← remainder

$$5351 \div 59 = 90 \text{ remainder } 41$$

90
59 | 5351
531

41
0
-
41 ← remainder

$$5351 \div 61 = 87 \text{ remainder } 44$$

87
61 | 5351
488

471
427

44 ← remainder

$$5351 \div 67 = 79 \text{ remainder } 58$$

79
67 | 5351
469

661
603

58 ← remainder

$$5351 \div 71 = 75 \text{ remainder } 26$$

75
71 | 5351
497

381
355

26 ← remainder

$$5351 \div 73 = 73 \text{ remainder } 22$$

73
73 | 5351
511

241
219

22 ← remainder

P₇₀₉ 5381

$$5381 \div 2 = 2690 \text{ remainder } 1$$

$$\begin{array}{r} 2690 \\ 2 \mid 5381 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5381 \div 3 = 1793 \text{ remainder } 2$$

$$\begin{array}{r} 1793 \\ 3 \mid 5381 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5381 \div 5 = 1076 \text{ remainder } 1$$

$$\begin{array}{r} 1076 \\ 5 \mid 5381 \\ \underline{5} \\ - \end{array}$$

```

3
0
-
38
35
--
31
30
--
1 ← remainder

```

$$5381 \div 7 = 768 \text{ remainder } 5$$

```

768
7 | 5381
49
--
48
42
--
61
56
--
5 ← remainder

```

$$5381 \div 11 = 489 \text{ remainder } 2$$

```

489
11 | 5381
44
--
98
88
--
101
99
--
2 ← remainder

```

$$5381 \div 13 = 413 \text{ remainder } 12$$

```

413
13 | 5381
52

```

```

--
18
13
--
51
39
--
12 ← remainder

```

$$5381 \div 17 = 316 \text{ remainder } 9$$

```

      316
17 | 5381
    51
    --
    28
    17
    --
    111
    102
    ---
    9 ← remainder

```

$$5381 \div 19 = 283 \text{ remainder } 4$$

```

      283
19 | 5381
    38
    --
    158
    152
    ---
    61
    57
    --
    4 ← remainder

```

$$5381 \div 23 = 233 \text{ remainder } 22$$

```

      233
23 | 5381
    46
    --
    78

```

```

69
--
91
69
--
22 ← remainder

```

$$5381 \div 29 = 185 \text{ remainder } 16$$

```

      185
29 | 5381
    29
    --
    248
    232
    ---
    161
    145
    ---
    16 ← remainder

```

$$5381 \div 31 = 173 \text{ remainder } 18$$

```

      173
31 | 5381
    31
    --
    228
    217
    ---
    111
    93
    --
    18 ← remainder

```

$$5381 \div 37 = 145 \text{ remainder } 16$$

```

      145
37 | 5381
    37
    --
    168
    148
    ---

```

```

201
185
---
16 ← remainder

```

$$5381 \div 41 = 131 \text{ remainder } 10$$

```

      131
41 | 5381
    41
    --
    128
    123
    ---
     51
     41
     --
     10 ← remainder

```

$$5381 \div 43 = 125 \text{ remainder } 6$$

```

      125
43 | 5381
    43
    --
    108
    86
    --
    221
    215
    ---
     6 ← remainder

```

$$5381 \div 47 = 114 \text{ remainder } 23$$

```

      114
47 | 5381
    47
    --
    68
    47
    --
    211
    188

```

23 ← remainder

$$5381 \div 53 = 101 \text{ remainder } 28$$

101
53 | 5381
53
--
8
0
-
81
53
--
28 ← remainder

$$5381 \div 59 = 91 \text{ remainder } 12$$

91
59 | 5381
531

71
59
--
12 ← remainder

$$5381 \div 61 = 88 \text{ remainder } 13$$

88
61 | 5381
488

501
488

13 ← remainder

$$5381 \div 67 = 80 \text{ remainder } 21$$

80
67 | 5381
536

21
0
-

21 \leftarrow remainder

$$5381 \div 71 = 75 \text{ remainder } 56$$

75
71 | 5381
497

411
355

56 \leftarrow remainder

$$5381 \div 73 = 73 \text{ remainder } 52$$

73
73 | 5381
511

271
219

52 \leftarrow remainder

P₇₁₀ 5387

$$5387 \div 2 = 2693 \text{ remainder } 1$$

$$\begin{array}{r} 2693 \\ 2 \mid 5387 \\ 4 \\ - \\ 13 \\ 12 \\ - - \\ 18 \\ 18 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5387 \div 3 = 1795 \text{ remainder } 2$$

$$\begin{array}{r} 1795 \\ 3 \mid 5387 \\ 3 \\ - \\ 23 \\ 21 \\ - - \\ 28 \\ 27 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5387 \div 5 = 1077 \text{ remainder } 2$$

$$\begin{array}{r} 1077 \\ 5 \mid 5387 \\ 5 \\ - \end{array}$$

```

3
0
-
38
35
--
37
35
--
2 ← remainder

```

$$5387 \div 7 = 769 \text{ remainder } 4$$

```

769
7 | 5387
49
--
48
42
--
67
63
--
4 ← remainder

```

$$5387 \div 11 = 489 \text{ remainder } 8$$

```

489
11 | 5387
44
--
98
88
--
107
99
--
8 ← remainder

```

$$5387 \div 13 = 414 \text{ remainder } 5$$

```

414
13 | 5387
52

```

```

--
18
13
--
57
52
--
5 ← remainder

```

$$5387 \div 17 = 316 \text{ remainder } 15$$

```

      316
17 | 5387
    51
    --
    28
    17
    --
    117
    102
    ---
    15 ← remainder

```

$$5387 \div 19 = 283 \text{ remainder } 10$$

```

      283
19 | 5387
    38
    --
    158
    152
    ---
    67
    57
    --
    10 ← remainder

```

$$5387 \div 23 = 234 \text{ remainder } 5$$

```

      234
23 | 5387
    46
    --
    78

```

```

69
--
97
92
--
5 ← remainder

```

$$5387 \div 29 = 185 \text{ remainder } 22$$

```

      185
29 | 5387
    29
    --
    248
    232
    ---
    167
    145
    ---
    22 ← remainder

```

$$5387 \div 31 = 173 \text{ remainder } 24$$

```

      173
31 | 5387
    31
    --
    228
    217
    ---
    117
    93
    --
    24 ← remainder

```

$$5387 \div 37 = 145 \text{ remainder } 22$$

```

      145
37 | 5387
    37
    --
    168
    148
    ---

```

```

207
185
---
22 ← remainder

```

$$5387 \div 41 = 131 \text{ remainder } 16$$

```

      131
41 | 5387
    41
    --
    128
    123
    ---
     57
     41
     --
     16 ← remainder

```

$$5387 \div 43 = 125 \text{ remainder } 12$$

```

      125
43 | 5387
    43
    --
    108
    86
    --
    227
    215
    ---
     12 ← remainder

```

$$5387 \div 47 = 114 \text{ remainder } 29$$

```

      114
47 | 5387
    47
    --
     68
     47
     --
     217
     188

```

29 ← remainder

$$5387 \div 53 = 101 \text{ remainder } 34$$

```
    101
53 | 5387
    53
    --
     8
     0
     -
    87
    53
    --
    34 ← remainder
```

$$5387 \div 59 = 91 \text{ remainder } 18$$

```
     91
59 | 5387
    531
    ---
     77
     59
     --
     18 ← remainder
```

$$5387 \div 61 = 88 \text{ remainder } 19$$

```
     88
61 | 5387
    488
    ---
    507
    488
    ---
     19 ← remainder
```

$$5387 \div 67 = 80 \text{ remainder } 27$$

```
     80
67 | 5387
    536
```

 27
 0
 -

27 ← remainder

$$5387 \div 71 = 75 \text{ remainder } 62$$

75
 71 | 5387
 497

 417
 355

62 ← remainder

$$5387 \div 73 = 73 \text{ remainder } 58$$

73
 73 | 5387
 511

 277
 219

58 ← remainder

P₇₁₁ 5393

$$5393 \div 2 = 2696 \text{ remainder } 1$$

$$\begin{array}{r} 2696 \\ 2 \mid 5393 \\ 4 \\ - \\ 13 \\ 12 \\ - - \\ 19 \\ 18 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5393 \div 3 = 1797 \text{ remainder } 2$$

$$\begin{array}{r} 1797 \\ 3 \mid 5393 \\ 3 \\ - \\ 23 \\ 21 \\ - - \\ 29 \\ 27 \\ - - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5393 \div 5 = 1078 \text{ remainder } 3$$

$$\begin{array}{r} 1078 \\ 5 \mid 5393 \\ 5 \\ - \end{array}$$


```

3
0
-
39
35
--
43
40
--
3 ← remainder

```

$$5393 \div 7 = 770 \text{ remainder } 3$$

```

    770
7 | 5393
   49
   --
   49
   49
   --
    3
    0
    -
    3 ← remainder

```

$$5393 \div 11 = 490 \text{ remainder } 3$$

```

    490
11 | 5393
   44
   --
   99
   99
   --
    3
    0
    -
    3 ← remainder

```

$$5393 \div 13 = 414 \text{ remainder } 11$$

```

    414
13 | 5393
   52

```

```

--
19
13
--
63
52
--
11 ← remainder

```

$$5393 \div 17 = 317 \text{ remainder } 4$$

```

      317
17 | 5393
    51
    --
    29
    17
    --
    123
    119
    ---
    4 ← remainder

```

$$5393 \div 19 = 283 \text{ remainder } 16$$

```

      283
19 | 5393
    38
    --
    159
    152
    ---
    73
    57
    --
    16 ← remainder

```

$$5393 \div 23 = 234 \text{ remainder } 11$$

```

      234
23 | 5393
    46
    --
    79

```

```

69
--
103
92
--
11 ← remainder

```

$$5393 \div 29 = 185 \text{ remainder } 28$$

```

      185
29 | 5393
    29
    --
    249
    232
    ---
    173
    145
    ---
    28 ← remainder

```

$$5393 \div 31 = 173 \text{ remainder } 30$$

```

      173
31 | 5393
    31
    --
    229
    217
    ---
    123
    93
    --
    30 ← remainder

```

$$5393 \div 37 = 145 \text{ remainder } 28$$

```

      145
37 | 5393
    37
    --
    169
    148
    ---

```

```

213
185
---
28 ← remainder

```

$$5393 \div 41 = 131 \text{ remainder } 22$$

```

131
41 | 5393
   41
   --
   129
   123
   ---
    63
    41
    --
    22 ← remainder

```

$$5393 \div 43 = 125 \text{ remainder } 18$$

```

125
43 | 5393
   43
   --
   109
   86
   --
   233
   215
   ---
    18 ← remainder

```

$$5393 \div 47 = 114 \text{ remainder } 35$$

```

114
47 | 5393
   47
   --
   69
   47
   --
   223
   188

```

35 ← remainder

$$5393 \div 53 = 101 \text{ remainder } 40$$

```
    101
53 | 5393
    53
    --
     9
     0
     -
    93
    53
    --
    40 ← remainder
```

$$5393 \div 59 = 91 \text{ remainder } 24$$

```
     91
59 | 5393
    531
    ---
     83
     59
     --
     24 ← remainder
```

$$5393 \div 61 = 88 \text{ remainder } 25$$

```
     88
61 | 5393
    488
    ---
    513
    488
    ---
     25 ← remainder
```

$$5393 \div 67 = 80 \text{ remainder } 33$$

```
     80
67 | 5393
    536
```

33
0
-

33 ← remainder

$$5393 \div 71 = 75 \text{ remainder } 68$$

75
71 | 5393
497

423
355

68 ← remainder

$$5393 \div 73 = 73 \text{ remainder } 64$$

73
73 | 5393
511

283
219

64 ← remainder

P₇₁₂ 5399

$$5399 \div 2 = 2699 \text{ remainder } 1$$

$$\begin{array}{r} 2699 \\ 2 \mid 5399 \\ 4 \\ - \\ 13 \\ 12 \\ - - \\ 19 \\ 18 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5399 \div 3 = 1799 \text{ remainder } 2$$

$$\begin{array}{r} 1799 \\ 3 \mid 5399 \\ 3 \\ - \\ 23 \\ 21 \\ - - \\ 29 \\ 27 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5399 \div 5 = 1079 \text{ remainder } 4$$

$$\begin{array}{r} 1079 \\ 5 \mid 5399 \\ 5 \\ - \end{array}$$

```

3
0
-
39
35
--
49
45
--
4 ← remainder

```

$$5399 \div 7 = 771 \text{ remainder } 2$$

```

  771
7 | 5399
  49
  --
  49
  49
  --
   9
   7
   -
   2 ← remainder

```

$$5399 \div 11 = 490 \text{ remainder } 9$$

```

  490
11 | 5399
   44
   --
   99
   99
   --
    9
    0
    -
    9 ← remainder

```

$$5399 \div 13 = 415 \text{ remainder } 4$$

```

  415
13 | 5399
   52

```



```

--
19
13
--
69
65
--
4 ← remainder

```

$$5399 \div 17 = 317 \text{ remainder } 10$$

```

      317
17 | 5399
    51
    --
    29
    17
    --
    129
    119
    ---
    10 ← remainder

```

$$5399 \div 19 = 284 \text{ remainder } 3$$

```

      284
19 | 5399
    38
    --
    159
    152
    ---
    79
    76
    --
    3 ← remainder

```

$$5399 \div 23 = 234 \text{ remainder } 17$$

```

      234
23 | 5399
    46
    --
    79

```

```

69
--
109
92
--
17 ← remainder

```

$$5399 \div 29 = 186 \text{ remainder } 5$$

```

      186
29 | 5399
    29
    --
    249
    232
    ---
    179
    174
    ---
    5 ← remainder

```

$$5399 \div 31 = 174 \text{ remainder } 5$$

```

      174
31 | 5399
    31
    --
    229
    217
    ---
    129
    124
    ---
    5 ← remainder

```

$$5399 \div 37 = 145 \text{ remainder } 34$$

```

      145
37 | 5399
    37
    --
    169
    148
    ---

```

```

219
185
---
34 ← remainder

```

$$5399 \div 41 = 131 \text{ remainder } 28$$

```

      131
41 | 5399
    41
    --
    129
    123
    ---
     69
     41
     --
     28 ← remainder

```

$$5399 \div 43 = 125 \text{ remainder } 24$$

```

      125
43 | 5399
    43
    --
    109
    86
    --
    239
    215
    ---
     24 ← remainder

```

$$5399 \div 47 = 114 \text{ remainder } 41$$

```

      114
47 | 5399
    47
    --
     69
     47
     --
     229
     188

```

41 ← remainder

$$5399 \div 53 = 101 \text{ remainder } 46$$

```
    101
53 | 5399
    53
    --
     9
     0
     -
    99
    53
    --
    46 ← remainder
```

$$5399 \div 59 = 91 \text{ remainder } 30$$

```
     91
59 | 5399
    531
    ---
     89
     59
     --
     30 ← remainder
```

$$5399 \div 61 = 88 \text{ remainder } 31$$

```
     88
61 | 5399
    488
    ---
    519
    488
    ---
    31 ← remainder
```

$$5399 \div 67 = 80 \text{ remainder } 39$$

```
     80
67 | 5399
    536
```

39
0
-

39 ← remainder

$$5399 \div 71 = 76 \text{ remainder } 3$$

76
71 | 5399
497

429
426

3 ← remainder

$$5399 \div 73 = 73 \text{ remainder } 70$$

73
73 | 5399
511

289
219

70 ← remainder

P₇₁₃ 5407

$$5407 \div 2 = 2703 \text{ remainder } 1$$

$$\begin{array}{r} 2703 \\ 2 \mid 5407 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 0 \\ 0 \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5407 \div 3 = 1802 \text{ remainder } 1$$

$$\begin{array}{r} 1802 \\ 3 \mid 5407 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 0 \\ 0 \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5407 \div 5 = 1081 \text{ remainder } 2$$

$$\begin{array}{r} 1081 \\ 5 \mid 5407 \\ \underline{5} \\ - \end{array}$$

```

4
0
-
40
40
--
7
5
-
2 ← remainder

```

$$5407 \div 7 = 772 \text{ remainder } 3$$

```

    772
7 | 5407
   49
   --
   50
   49
   --
   17
   14
   --
   3 ← remainder

```

$$5407 \div 11 = 491 \text{ remainder } 6$$

```

    491
11 | 5407
   44
   --
  100
   99
   --
   17
   11
   --
   6 ← remainder

```

$$5407 \div 13 = 415 \text{ remainder } 12$$

```

    415
13 | 5407
   52

```

```

--
20
13
--
77
65
--
12 ← remainder

```

$$5407 \div 17 = 318 \text{ remainder } 1$$

```

      318
17 | 5407
    51
    --
    30
    17
    --
    137
    136
    ---
    1 ← remainder

```

$$5407 \div 19 = 284 \text{ remainder } 11$$

```

      284
19 | 5407
    38
    --
    160
    152
    ---
    87
    76
    --
    11 ← remainder

```

$$5407 \div 23 = 235 \text{ remainder } 2$$

```

      235
23 | 5407
    46
    --
    80

```



```

69
--
117
115
---
2 ← remainder

```

$$5407 \div 29 = 186 \text{ remainder } 13$$

```

186
29 | 5407
   29
   --
  250
  232
  ---
   187
   174
   ---
    13 ← remainder

```

$$5407 \div 31 = 174 \text{ remainder } 13$$

```

174
31 | 5407
   31
   --
  230
  217
  ---
   137
   124
   ---
    13 ← remainder

```

$$5407 \div 37 = 146 \text{ remainder } 5$$

```

146
37 | 5407
   37
   --
  170
  148
  ---

```

```

227
222
---
5 ← remainder

```

$$5407 \div 41 = 131 \text{ remainder } 36$$

```

131
41 | 5407
   41
   --
   130
   123
   ---
    77
    41
    --
    36 ← remainder

```

$$5407 \div 43 = 125 \text{ remainder } 32$$

```

125
43 | 5407
   43
   --
   110
   86
   --
   247
   215
   ---
    32 ← remainder

```

$$5407 \div 47 = 115 \text{ remainder } 2$$

```

115
47 | 5407
   47
   --
   70
   47
   --
   237
   235

```

2 ← remainder

$$5407 \div 53 = 102 \text{ remainder } 1$$

102
53 | 5407
53
--
10
0
-
107
106

1 ← remainder

$$5407 \div 59 = 91 \text{ remainder } 38$$

91
59 | 5407
531

97
59
--
38 ← remainder

$$5407 \div 61 = 88 \text{ remainder } 39$$

88
61 | 5407
488

527
488

39 ← remainder

$$5407 \div 67 = 80 \text{ remainder } 47$$

80
67 | 5407
536

```

  ---
  47
  0
  -

```

47 ← remainder

$$5407 \div 71 = 76 \text{ remainder } 11$$

```

      76
71 | 5407
    497
    ---
    437
    426
    ---

```

11 ← remainder

$$5407 \div 73 = 74 \text{ remainder } 5$$

```

      74
73 | 5407
    511
    ---
    297
    292
    ---

```

5 ← remainder

P₇₁₄ 5413

$$5413 \div 2 = 2706 \text{ remainder } 1$$

$$\begin{array}{r} 2706 \\ 2 \mid 5413 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5413 \div 3 = 1804 \text{ remainder } 1$$

$$\begin{array}{r} 1804 \\ 3 \mid 5413 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5413 \div 5 = 1082 \text{ remainder } 3$$

$$\begin{array}{r} 1082 \\ 5 \mid 5413 \\ \underline{5} \\ - \end{array}$$

```

4
0
-
41
40
--
13
10
--
3 ← remainder

```

$$5413 \div 7 = 773 \text{ remainder } 2$$

```

    773
7 | 5413
  49
  --
   51
   49
   --
   23
   21
   --
   2 ← remainder

```

$$5413 \div 11 = 492 \text{ remainder } 1$$

```

    492
11 | 5413
   44
   --
  101
   99
   --
   23
   22
   --
   1 ← remainder

```

$$5413 \div 13 = 416 \text{ remainder } 5$$

```

    416
13 | 5413
   52

```

```

--
21
13
--
83
78
--
5 ← remainder

```

$$5413 \div 17 = 318 \text{ remainder } 7$$

```

      318
17 | 5413
    51
    --
     31
     17
     --
    143
    136
    ---
     7 ← remainder

```

$$5413 \div 19 = 284 \text{ remainder } 17$$

```

      284
19 | 5413
    38
    --
    161
    152
    ---
     93
     76
     --
    17 ← remainder

```

$$5413 \div 23 = 235 \text{ remainder } 8$$

```

      235
23 | 5413
    46
    --
     81

```

```

69
--
123
115
---
8 ← remainder

```

$$5413 \div 29 = 186 \text{ remainder } 19$$

```

186
29 | 5413
   29
   --
   251
   232
   ---
   193
   174
   ---
   19 ← remainder

```

$$5413 \div 31 = 174 \text{ remainder } 19$$

```

174
31 | 5413
   31
   --
   231
   217
   ---
   143
   124
   ---
   19 ← remainder

```

$$5413 \div 37 = 146 \text{ remainder } 11$$

```

146
37 | 5413
   37
   --
   171
   148
   ---

```



```

233
222
---
11 ← remainder

```

$$5413 \div 41 = 132 \text{ remainder } 1$$

```

132
41 | 5413
   41
   --
   131
   123
   ---
    83
    82
    --
    1 ← remainder

```

$$5413 \div 43 = 125 \text{ remainder } 38$$

```

125
43 | 5413
   43
   --
   111
   86
   --
   253
   215
   ---
   38 ← remainder

```

$$5413 \div 47 = 115 \text{ remainder } 8$$

```

115
47 | 5413
   47
   --
   71
   47
   --
   243
   235

```

8 ← remainder

$$5413 \div 53 = 102 \text{ remainder } 7$$

102
53 | 5413
53
--
11
0
-
113
106

7 ← remainder

$$5413 \div 59 = 91 \text{ remainder } 44$$

91
59 | 5413
531

103
59
--
44 ← remainder

$$5413 \div 61 = 88 \text{ remainder } 45$$

88
61 | 5413
488

533
488

45 ← remainder

$$5413 \div 67 = 80 \text{ remainder } 53$$

80
67 | 5413
536

53
0
-

53 ← remainder

$$5413 \div 71 = 76 \text{ remainder } 17$$

76
71 | 5413
497

443
426

17 ← remainder

$$5413 \div 73 = 74 \text{ remainder } 11$$

74
73 | 5413
511

303
292

11 ← remainder

P₇₁₅ 5417

$$5417 \div 2 = 2708 \text{ remainder } 1$$

$$\begin{array}{r} 2708 \\ 2 \mid 5417 \\ 4 \\ - \\ 14 \\ 14 \\ - - \\ 1 \\ 0 \\ - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5417 \div 3 = 1805 \text{ remainder } 2$$

$$\begin{array}{r} 1805 \\ 3 \mid 5417 \\ 3 \\ - \\ 24 \\ 24 \\ - - \\ 1 \\ 0 \\ - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5417 \div 5 = 1083 \text{ remainder } 2$$

$$\begin{array}{r} 1083 \\ 5 \mid 5417 \\ 5 \\ - \end{array}$$

```

4
0
-
41
40
--
17
15
--
2 ← remainder

```

$$5417 \div 7 = 773 \text{ remainder } 6$$

```

    773
7 | 5417
  49
  --
   51
   49
   --
   27
   21
   --
   6 ← remainder

```

$$5417 \div 11 = 492 \text{ remainder } 5$$

```

    492
11 | 5417
   44
   --
  101
   99
   --
   27
   22
   --
   5 ← remainder

```

$$5417 \div 13 = 416 \text{ remainder } 9$$

```

    416
13 | 5417
   52

```

```

--
21
13
--
87
78
--
9 ← remainder

```

$$5417 \div 17 = 318 \text{ remainder } 11$$

```

      318
17 | 5417
    51
    --
     31
     17
     --
    147
    136
    ---
     11 ← remainder

```

$$5417 \div 19 = 285 \text{ remainder } 2$$

```

      285
19 | 5417
    38
    --
    161
    152
    ---
     97
     95
     --
      2 ← remainder

```

$$5417 \div 23 = 235 \text{ remainder } 12$$

```

      235
23 | 5417
    46
    --
     81

```

```

69
--
127
115
---
12 ← remainder

```

$$5417 \div 29 = 186 \text{ remainder } 23$$

```

186
29 | 5417
   29
   --
   251
   232
   ---
   197
   174
   ---
   23 ← remainder

```

$$5417 \div 31 = 174 \text{ remainder } 23$$

```

174
31 | 5417
   31
   --
   231
   217
   ---
   147
   124
   ---
   23 ← remainder

```

$$5417 \div 37 = 146 \text{ remainder } 15$$

```

146
37 | 5417
   37
   --
   171
   148
   ---

```

237
 222

 15 ← remainder

$$5417 \div 41 = 132 \text{ remainder } 5$$

132
 41 | 5417
 41
 --
 131
 123

 87
 82
 --
 5 ← remainder

$$5417 \div 43 = 125 \text{ remainder } 42$$

125
 43 | 5417
 43
 --
 111
 86
 --
 257
 215

 42 ← remainder

$$5417 \div 47 = 115 \text{ remainder } 12$$

115
 47 | 5417
 47
 --
 71
 47
 --
 247
 235

12 ← remainder

$$5417 \div 53 = 102 \text{ remainder } 11$$

102
53 | 5417
53
--
11
0
-
117
106

11 ← remainder

$$5417 \div 59 = 91 \text{ remainder } 48$$

91
59 | 5417
531

107
59
--
48 ← remainder

$$5417 \div 61 = 88 \text{ remainder } 49$$

88
61 | 5417
488

537
488

49 ← remainder

$$5417 \div 67 = 80 \text{ remainder } 57$$

80
67 | 5417
536

57
0
-

57 ← remainder

$$5417 \div 71 = 76 \text{ remainder } 21$$

76
71 | 5417
497

447
426

21 ← remainder

$$5417 \div 73 = 74 \text{ remainder } 15$$

74
73 | 5417
511

307
292

15 ← remainder

P₇₁₆ 5419

$$5419 \div 2 = 2709 \text{ remainder } 1$$

$$\begin{array}{r} 2709 \\ 2 \mid 5419 \\ 4 \\ - \\ 14 \\ 14 \\ - - \\ 1 \\ 0 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5419 \div 3 = 1806 \text{ remainder } 1$$

$$\begin{array}{r} 1806 \\ 3 \mid 5419 \\ 3 \\ - \\ 24 \\ 24 \\ - - \\ 1 \\ 0 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5419 \div 5 = 1083 \text{ remainder } 4$$

$$\begin{array}{r} 1083 \\ 5 \mid 5419 \\ 5 \\ - \end{array}$$

```

4
0
-
41
40
--
19
15
--
4 ← remainder

```

$$5419 \div 7 = 774 \text{ remainder } 1$$

```

    774
7 | 5419
   49
   --
   51
   49
   --
   29
   28
   --
   1 ← remainder

```

$$5419 \div 11 = 492 \text{ remainder } 7$$

```

    492
11 | 5419
   44
   --
  101
   99
   --
   29
   22
   --
   7 ← remainder

```

$$5419 \div 13 = 416 \text{ remainder } 11$$

```

    416
13 | 5419
   52

```

```

--
21
13
--
89
78
--
11 ← remainder

```

$$5419 \div 17 = 318 \text{ remainder } 13$$

```

      318
17 | 5419
    51
    --
     31
     17
     --
    149
    136
    ---
     13 ← remainder

```

$$5419 \div 19 = 285 \text{ remainder } 4$$

```

      285
19 | 5419
    38
    --
    161
    152
    ---
     99
     95
     --
      4 ← remainder

```

$$5419 \div 23 = 235 \text{ remainder } 14$$

```

      235
23 | 5419
    46
    --
     81

```

```

69
--
129
115
---
14 ← remainder

```

$$5419 \div 29 = 186 \text{ remainder } 25$$

```

      186
29 | 5419
    29
    --
    251
    232
    ---
    199
    174
    ---
    25 ← remainder

```

$$5419 \div 31 = 174 \text{ remainder } 25$$

```

      174
31 | 5419
    31
    --
    231
    217
    ---
    149
    124
    ---
    25 ← remainder

```

$$5419 \div 37 = 146 \text{ remainder } 17$$

```

      146
37 | 5419
    37
    --
    171
    148
    ---

```

```

239
222
---
17 ← remainder

```

$$5419 \div 41 = 132 \text{ remainder } 7$$

```

      132
41 | 5419
    41
    --
    131
    123
    ---
     89
     82
     --
      7 ← remainder

```

$$5419 \div 43 = 126 \text{ remainder } 1$$

```

      126
43 | 5419
    43
    --
    111
    86
    --
    259
    258
    ---
     1 ← remainder

```

$$5419 \div 47 = 115 \text{ remainder } 14$$

```

      115
47 | 5419
    47
    --
    71
    47
    --
    249
    235

```

14 ← remainder

$$5419 \div 53 = 102 \text{ remainder } 13$$

$$\begin{array}{r} 102 \\ 53 \overline{) 5419} \\ \underline{53} \\ 11 \\ \underline{0} \\ 119 \\ \underline{106} \\ 13 \end{array}$$

13 ← remainder

$$5419 \div 59 = 91 \text{ remainder } 50$$

$$\begin{array}{r} 91 \\ 59 \overline{) 5419} \\ \underline{531} \\ 109 \\ \underline{59} \\ 50 \end{array}$$

50 ← remainder

$$5419 \div 61 = 88 \text{ remainder } 51$$

$$\begin{array}{r} 88 \\ 61 \overline{) 5419} \\ \underline{488} \\ 539 \\ \underline{488} \\ 51 \end{array}$$

51 ← remainder

$$5419 \div 67 = 80 \text{ remainder } 59$$

$$\begin{array}{r} 80 \\ 67 \overline{) 5419} \\ \underline{536} \\ 59 \end{array}$$


```

  ---
  59
  0
  -

```

59 ← remainder

$$5419 \div 71 = 76 \text{ remainder } 23$$

```

      76
71 | 5419
    497
    ---
    449
    426
    ---

```

23 ← remainder

$$5419 \div 73 = 74 \text{ remainder } 17$$

```

      74
73 | 5419
    511
    ---
    309
    292
    ---

```

17 ← remainder

P₇₁₇ 5431

$$5431 \div 2 = 2715 \text{ remainder } 1$$

$$\begin{array}{r} 2715 \\ 2 \mid 5431 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5431 \div 3 = 1810 \text{ remainder } 1$$

$$\begin{array}{r} 1810 \\ 3 \mid 5431 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ -- \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5431 \div 5 = 1086 \text{ remainder } 1$$

$$\begin{array}{r} 1086 \\ 5 \mid 5431 \\ \underline{5} \\ - \end{array}$$

```

4
0
-
43
40
--
31
30
--
1 ← remainder

```

$$5431 \div 7 = 775 \text{ remainder } 6$$

```

    775
7 | 5431
   49
   --
   53
   49
   --
   41
   35
   --
   6 ← remainder

```

$$5431 \div 11 = 493 \text{ remainder } 8$$

```

    493
11 | 5431
   44
   --
  103
   99
   --
   41
   33
   --
   8 ← remainder

```

$$5431 \div 13 = 417 \text{ remainder } 10$$

```

    417
13 | 5431
   52

```

```

--
23
13
--
101
91
--
10 ← remainder

```

$$5431 \div 17 = 319 \text{ remainder } 8$$

```

      319
17 | 5431
    51
    --
    33
    17
    --
    161
    153
    ---
    8 ← remainder

```

$$5431 \div 19 = 285 \text{ remainder } 16$$

```

      285
19 | 5431
    38
    --
    163
    152
    ---
    111
    95
    --
    16 ← remainder

```

$$5431 \div 23 = 236 \text{ remainder } 3$$

```

      236
23 | 5431
    46
    --
    83

```

```

69
--
141
138
---
3 ← remainder

```

$$5431 \div 29 = 187 \text{ remainder } 8$$

```

187
29 | 5431
   29
   --
   253
   232
   ---
   211
   203
   ---
   8 ← remainder

```

$$5431 \div 31 = 175 \text{ remainder } 6$$

```

175
31 | 5431
   31
   --
   233
   217
   ---
   161
   155
   ---
   6 ← remainder

```

$$5431 \div 37 = 146 \text{ remainder } 29$$

```

146
37 | 5431
   37
   --
   173
   148
   ---

```

```

251
222
---
29 ← remainder

```

$$5431 \div 41 = 132 \text{ remainder } 19$$

```

      132
41 | 5431
    41
    --
    133
    123
    ---
    101
    82
    --
    19 ← remainder

```

$$5431 \div 43 = 126 \text{ remainder } 13$$

```

      126
43 | 5431
    43
    --
    113
    86
    --
    271
    258
    ---
    13 ← remainder

```

$$5431 \div 47 = 115 \text{ remainder } 26$$

```

      115
47 | 5431
    47
    --
    73
    47
    --
    261
    235

```

26 ← remainder

$$5431 \div 53 = 102 \text{ remainder } 25$$

```
      102
53 | 5431
    53
    --
    13
    0
    -
    131
    106
    ---
    25 ← remainder
```

$$5431 \div 59 = 92 \text{ remainder } 3$$

```
      92
59 | 5431
    531
    ---
    121
    118
    ---
    3 ← remainder
```

$$5431 \div 61 = 89 \text{ remainder } 2$$

```
      89
61 | 5431
    488
    ---
    551
    549
    ---
    2 ← remainder
```

$$5431 \div 67 = 81 \text{ remainder } 4$$

```
      81
67 | 5431
    536
```

71
67
--

4 ← remainder

$$5431 \div 71 = 76 \text{ remainder } 35$$

76
71 | 5431
497

461
426

35 ← remainder

$$5431 \div 73 = 74 \text{ remainder } 29$$

74
73 | 5431
511

321
292

29 ← remainder

P₇₁₈ 5437

$$5437 \div 2 = 2718 \text{ remainder } 1$$

$$\begin{array}{r} 2718 \\ 2 \mid 5437 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5437 \div 3 = 1812 \text{ remainder } 1$$

$$\begin{array}{r} 1812 \\ 3 \mid 5437 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ -- \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5437 \div 5 = 1087 \text{ remainder } 2$$

$$\begin{array}{r} 1087 \\ 5 \mid 5437 \\ \underline{5} \\ - \end{array}$$

```

4
0
-
43
40
--
37
35
--
2 ← remainder

```

$$5437 \div 7 = 776 \text{ remainder } 5$$

```

    776
7 | 5437
  49
  --
   53
   49
   --
   47
   42
   --
   5 ← remainder

```

$$5437 \div 11 = 494 \text{ remainder } 3$$

```

    494
11 | 5437
   44
   --
  103
   99
   --
   47
   44
   --
   3 ← remainder

```

$$5437 \div 13 = 418 \text{ remainder } 3$$

```

    418
13 | 5437
   52

```

```

--
23
13
--
107
104
---
3 ← remainder

```

$$5437 \div 17 = 319 \text{ remainder } 14$$

```

      319
17 | 5437
    51
    --
     33
     17
     --
    167
    153
    ---
    14 ← remainder

```

$$5437 \div 19 = 286 \text{ remainder } 3$$

```

      286
19 | 5437
    38
    --
    163
    152
    ---
    117
    114
    ---
     3 ← remainder

```

$$5437 \div 23 = 236 \text{ remainder } 9$$

```

      236
23 | 5437
    46
    --
     83

```

```

69
--
147
138
---
9 ← remainder

```

$$5437 \div 29 = 187 \text{ remainder } 14$$

```

      187
29 | 5437
    29
    --
    253
    232
    ---
    217
    203
    ---
    14 ← remainder

```

$$5437 \div 31 = 175 \text{ remainder } 12$$

```

      175
31 | 5437
    31
    --
    233
    217
    ---
    167
    155
    ---
    12 ← remainder

```

$$5437 \div 37 = 146 \text{ remainder } 35$$

```

      146
37 | 5437
    37
    --
    173
    148
    ---

```

```

257
222
---
35 ← remainder

```

$$5437 \div 41 = 132 \text{ remainder } 25$$

```

      132
41 | 5437
    41
    --
    133
    123
    ---
    107
    82
    --
    25 ← remainder

```

$$5437 \div 43 = 126 \text{ remainder } 19$$

```

      126
43 | 5437
    43
    --
    113
    86
    --
    277
    258
    ---
    19 ← remainder

```

$$5437 \div 47 = 115 \text{ remainder } 32$$

```

      115
47 | 5437
    47
    --
    73
    47
    --
    267
    235

```

32 ← remainder

$$5437 \div 53 = 102 \text{ remainder } 31$$

102
53 | 5437
53
--
13
0
-
137
106

31 ← remainder

$$5437 \div 59 = 92 \text{ remainder } 9$$

92
59 | 5437
531

127
118

9 ← remainder

$$5437 \div 61 = 89 \text{ remainder } 8$$

89
61 | 5437
488

557
549

8 ← remainder

$$5437 \div 67 = 81 \text{ remainder } 10$$

81
67 | 5437
536

77
67
--

10 ← remainder

$$5437 \div 71 = 76 \text{ remainder } 41$$

76
71 | 5437
497

467
426

41 ← remainder

$$5437 \div 73 = 74 \text{ remainder } 35$$

74
73 | 5437
511

327
292

35 ← remainder

P₇₁₉ 5441

$$5441 \div 2 = 2720 \text{ remainder } 1$$

$$\begin{array}{r} 2720 \\ 2 \mid 5441 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5441 \div 3 = 1813 \text{ remainder } 2$$

$$\begin{array}{r} 1813 \\ 3 \mid 5441 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5441 \div 5 = 1088 \text{ remainder } 1$$

$$\begin{array}{r} 1088 \\ 5 \mid 5441 \\ \underline{5} \\ - \end{array}$$


```

4
0
-
44
40
--
41
40
--
1 ← remainder

```

$$5441 \div 7 = 777 \text{ remainder } 2$$

```

    777
7 | 5441
  49
  --
  54
  49
  --
  51
  49
  --
  2 ← remainder

```

$$5441 \div 11 = 494 \text{ remainder } 7$$

```

    494
11 | 5441
   44
   --
  104
   99
   --
   51
   44
   --
   7 ← remainder

```

$$5441 \div 13 = 418 \text{ remainder } 7$$

```

    418
13 | 5441
   52

```

```

--
24
13
--
111
104
---
7 ← remainder

```

$$5441 \div 17 = 320 \text{ remainder } 1$$

```

      320
17 | 5441
    51
    --
    34
    34
    --
    1
    0
    -
    1 ← remainder

```

$$5441 \div 19 = 286 \text{ remainder } 7$$

```

      286
19 | 5441
    38
    --
    164
    152
    ---
    121
    114
    ---
    7 ← remainder

```

$$5441 \div 23 = 236 \text{ remainder } 13$$

```

      236
23 | 5441
    46
    --
    84

```

```

69
--
151
138
---
13 ← remainder

```

$$5441 \div 29 = 187 \text{ remainder } 18$$

```

187
29 | 5441
   29
   --
   254
   232
   ---
   221
   203
   ---
   18 ← remainder

```

$$5441 \div 31 = 175 \text{ remainder } 16$$

```

175
31 | 5441
   31
   --
   234
   217
   ---
   171
   155
   ---
   16 ← remainder

```

$$5441 \div 37 = 147 \text{ remainder } 2$$

```

147
37 | 5441
   37
   --
   174
   148
   ---

```

```

261
259
---
2 ← remainder

```

$$5441 \div 41 = 132 \text{ remainder } 29$$

```

      132
41 | 5441
    41
    --
    134
    123
    ---
    111
    82
    --
    29 ← remainder

```

$$5441 \div 43 = 126 \text{ remainder } 23$$

```

      126
43 | 5441
    43
    --
    114
    86
    --
    281
    258
    ---
    23 ← remainder

```

$$5441 \div 47 = 115 \text{ remainder } 36$$

```

      115
47 | 5441
    47
    --
    74
    47
    --
    271
    235

```

36 ← remainder

$$5441 \div 53 = 102 \text{ remainder } 35$$

102
53 | 5441
53
--
14
0
-
141
106

35 ← remainder

$$5441 \div 59 = 92 \text{ remainder } 13$$

92
59 | 5441
531

131
118

13 ← remainder

$$5441 \div 61 = 89 \text{ remainder } 12$$

89
61 | 5441
488

561
549

12 ← remainder

$$5441 \div 67 = 81 \text{ remainder } 14$$

81
67 | 5441
536

81
67
--

14 ← remainder

$$5441 \div 71 = 76 \text{ remainder } 45$$

76
71 | 5441
497

471
426

45 ← remainder

$$5441 \div 73 = 74 \text{ remainder } 39$$

74
73 | 5441
511

331
292

39 ← remainder

P₇₂₀ 5443

$$5443 \div 2 = 2721 \text{ remainder } 1$$

$$\begin{array}{r} 2721 \\ 2 \mid 5443 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5443 \div 3 = 1814 \text{ remainder } 1$$

$$\begin{array}{r} 1814 \\ 3 \mid 5443 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5443 \div 5 = 1088 \text{ remainder } 3$$

$$\begin{array}{r} 1088 \\ 5 \mid 5443 \\ \underline{5} \\ - \end{array}$$

```

4
0
-
44
40
--
43
40
--
3 ← remainder

```

$$5443 \div 7 = 777 \text{ remainder } 4$$

```

    777
7 | 5443
  49
  --
  54
  49
  --
  53
  49
  --
  4 ← remainder

```

$$5443 \div 11 = 494 \text{ remainder } 9$$

```

    494
11 | 5443
   44
   --
  104
   99
   --
   53
   44
   --
   9 ← remainder

```

$$5443 \div 13 = 418 \text{ remainder } 9$$

```

    418
13 | 5443
   52

```



```

--
24
13
--
113
104
---
9 ← remainder

```

$$5443 \div 17 = 320 \text{ remainder } 3$$

```

      320
17 | 5443
    51
    --
    34
    34
    --
    3
    0
    -
    3 ← remainder

```

$$5443 \div 19 = 286 \text{ remainder } 9$$

```

      286
19 | 5443
    38
    --
    164
    152
    ---
    123
    114
    ---
    9 ← remainder

```

$$5443 \div 23 = 236 \text{ remainder } 15$$

```

      236
23 | 5443
    46
    --
    84

```

```

69
--
153
138
---
15 ← remainder

```

$$5443 \div 29 = 187 \text{ remainder } 20$$

```

187
29 | 5443
   29
   --
   254
   232
   ---
   223
   203
   ---
   20 ← remainder

```

$$5443 \div 31 = 175 \text{ remainder } 18$$

```

175
31 | 5443
   31
   --
   234
   217
   ---
   173
   155
   ---
   18 ← remainder

```

$$5443 \div 37 = 147 \text{ remainder } 4$$

```

147
37 | 5443
   37
   --
   174
   148
   ---

```

```

263
259
---
4 ← remainder

```

$$5443 \div 41 = 132 \text{ remainder } 31$$

```

      132
41 | 5443
    41
    --
    134
    123
    ---
    113
    82
    --
    31 ← remainder

```

$$5443 \div 43 = 126 \text{ remainder } 25$$

```

      126
43 | 5443
    43
    --
    114
    86
    --
    283
    258
    ---
    25 ← remainder

```

$$5443 \div 47 = 115 \text{ remainder } 38$$

```

      115
47 | 5443
    47
    --
    74
    47
    --
    273
    235

```

38 ← remainder

$$5443 \div 53 = 102 \text{ remainder } 37$$

102
53 | 5443
53
--
14
0
-
143
106

37 ← remainder

$$5443 \div 59 = 92 \text{ remainder } 15$$

92
59 | 5443
531

133
118

15 ← remainder

$$5443 \div 61 = 89 \text{ remainder } 14$$

89
61 | 5443
488

563
549

14 ← remainder

$$5443 \div 67 = 81 \text{ remainder } 16$$

81
67 | 5443
536

83
67
--

16 ← remainder

$$5443 \div 71 = 76 \text{ remainder } 47$$

76
71 | 5443
497

473
426

47 ← remainder

$$5443 \div 73 = 74 \text{ remainder } 41$$

74
73 | 5443
511

333
292

41 ← remainder

P₇₂₁ 5449

$$5449 \div 2 = 2724 \text{ remainder } 1$$

$$\begin{array}{r} 2724 \\ 2 \mid 5449 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5449 \div 3 = 1816 \text{ remainder } 1$$

$$\begin{array}{r} 1816 \\ 3 \mid 5449 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5449 \div 5 = 1089 \text{ remainder } 4$$

$$\begin{array}{r} 1089 \\ 5 \mid 5449 \\ \underline{5} \\ - \end{array}$$

```

4
0
-
44
40
--
49
45
--
4 ← remainder

```

$$5449 \div 7 = 778 \text{ remainder } 3$$

```

    778
7 | 5449
   49
   --
   54
   49
   --
   59
   56
   --
   3 ← remainder

```

$$5449 \div 11 = 495 \text{ remainder } 4$$

```

    495
11 | 5449
   44
   --
  104
   99
   --
   59
   55
   --
   4 ← remainder

```

$$5449 \div 13 = 419 \text{ remainder } 2$$

```

    419
13 | 5449
   52

```

```

--
24
13
--
119
117
---
2 ← remainder

```

$$5449 \div 17 = 320 \text{ remainder } 9$$

```

      320
17 | 5449
    51
    --
    34
    34
    --
    9
    0
    -
    9 ← remainder

```

$$5449 \div 19 = 286 \text{ remainder } 15$$

```

      286
19 | 5449
    38
    --
    164
    152
    ---
    129
    114
    ---
    15 ← remainder

```

$$5449 \div 23 = 236 \text{ remainder } 21$$

```

      236
23 | 5449
    46
    --
    84

```



```

69
--
159
138
---
21 ← remainder

```

$$5449 \div 29 = 187 \text{ remainder } 26$$

```

      187
29 | 5449
    29
    --
    254
    232
    ---
    229
    203
    ---
    26 ← remainder

```

$$5449 \div 31 = 175 \text{ remainder } 24$$

```

      175
31 | 5449
    31
    --
    234
    217
    ---
    179
    155
    ---
    24 ← remainder

```

$$5449 \div 37 = 147 \text{ remainder } 10$$

```

      147
37 | 5449
    37
    --
    174
    148
    ---

```

```

269
259
---
10 ← remainder

```

$$5449 \div 41 = 132 \text{ remainder } 37$$

```

      132
41 | 5449
    41
    --
    134
    123
    ---
    119
    82
    --
    37 ← remainder

```

$$5449 \div 43 = 126 \text{ remainder } 31$$

```

      126
43 | 5449
    43
    --
    114
    86
    --
    289
    258
    ---
    31 ← remainder

```

$$5449 \div 47 = 115 \text{ remainder } 44$$

```

      115
47 | 5449
    47
    --
    74
    47
    --
    279
    235

```

44 ← remainder

$$5449 \div 53 = 102 \text{ remainder } 43$$

```
    102
53 | 5449
    53
    --
    14
    0
    -
    149
    106
    ---
    43 ← remainder
```

$$5449 \div 59 = 92 \text{ remainder } 21$$

```
    92
59 | 5449
    531
    ---
    139
    118
    ---
    21 ← remainder
```

$$5449 \div 61 = 89 \text{ remainder } 20$$

```
    89
61 | 5449
    488
    ---
    569
    549
    ---
    20 ← remainder
```

$$5449 \div 67 = 81 \text{ remainder } 22$$

```
    81
67 | 5449
    536
```

89
67
--

22 ← remainder

$$5449 \div 71 = 76 \text{ remainder } 53$$

76
71 | 5449
497

479
426

53 ← remainder

$$5449 \div 73 = 74 \text{ remainder } 47$$

74
73 | 5449
511

339
292

47 ← remainder

P₇₂₂ 5471

$$5471 \div 2 = 2735 \text{ remainder } 1$$

$$\begin{array}{r} 2735 \\ 2 \mid 5471 \\ 4 \\ - \\ 14 \\ 14 \\ - - \\ 7 \\ 6 \\ - \\ 11 \\ 10 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5471 \div 3 = 1823 \text{ remainder } 2$$

$$\begin{array}{r} 1823 \\ 3 \mid 5471 \\ 3 \\ - \\ 24 \\ 24 \\ - - \\ 7 \\ 6 \\ - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5471 \div 5 = 1094 \text{ remainder } 1$$

$$\begin{array}{r} 1094 \\ 5 \mid 5471 \\ 5 \\ - \end{array}$$

```

4
0
-
47
45
--
21
20
--
1 ← remainder

```

$$5471 \div 7 = 781 \text{ remainder } 4$$

```

    781
7 | 5471
  49
  --
  57
  56
  --
  11
   7
   -
   4 ← remainder

```

$$5471 \div 11 = 497 \text{ remainder } 4$$

```

    497
11 | 5471
   44
   --
  107
   99
   --
   81
   77
   --
    4 ← remainder

```

$$5471 \div 13 = 420 \text{ remainder } 11$$

```

    420
13 | 5471
   52

```

```

--
27
26
--
11
0
-
11 ← remainder

```

$$5471 \div 17 = 321 \text{ remainder } 14$$

```

      321
17 | 5471
    51
    --
    37
    34
    --
    31
    17
    --
    14 ← remainder

```

$$5471 \div 19 = 287 \text{ remainder } 18$$

```

      287
19 | 5471
    38
    --
    167
    152
    ---
    151
    133
    ---
    18 ← remainder

```

$$5471 \div 23 = 237 \text{ remainder } 20$$

```

      237
23 | 5471
    46
    --
    87

```

```

69
--
181
161
---
20 ← remainder

```

$$5471 \div 29 = 188 \text{ remainder } 19$$

```

188
29 | 5471
   29
   --
  257
  232
  ---
   251
   232
   ---
    19 ← remainder

```

$$5471 \div 31 = 176 \text{ remainder } 15$$

```

176
31 | 5471
   31
   --
  237
  217
  ---
   201
   186
   ---
    15 ← remainder

```

$$5471 \div 37 = 147 \text{ remainder } 32$$

```

147
37 | 5471
   37
   --
  177
  148
  ---

```



```

291
259
---
32 ← remainder

```

$$5471 \div 41 = 133 \text{ remainder } 18$$

```

      133
41 | 5471
    41
    --
    137
    123
    ---
    141
    123
    ---
    18 ← remainder

```

$$5471 \div 43 = 127 \text{ remainder } 10$$

```

      127
43 | 5471
    43
    --
    117
    86
    --
    311
    301
    ---
    10 ← remainder

```

$$5471 \div 47 = 116 \text{ remainder } 19$$

```

      116
47 | 5471
    47
    --
    77
    47
    --
    301
    282

```

19 ← remainder

$$5471 \div 53 = 103 \text{ remainder } 12$$

103
53 | 5471
53
--
17
0
-
171
159

12 ← remainder

$$5471 \div 59 = 92 \text{ remainder } 43$$

92
59 | 5471
531

161
118

43 ← remainder

$$5471 \div 61 = 89 \text{ remainder } 42$$

89
61 | 5471
488

591
549

42 ← remainder

$$5471 \div 67 = 81 \text{ remainder } 44$$

81
67 | 5471
536

111
67
--

44 ← remainder

$$5471 \div 71 = 77 \text{ remainder } 4$$

77
71 | 5471
497

501
497

4 ← remainder

$$5471 \div 73 = 74 \text{ remainder } 69$$

74
73 | 5471
511

361
292

69 ← remainder

P₇₂₃ 5477

$$5477 \div 2 = 2738 \text{ remainder } 1$$

$$\begin{array}{r} 2738 \\ 2 \mid 5477 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5477 \div 3 = 1825 \text{ remainder } 2$$

$$\begin{array}{r} 1825 \\ 3 \mid 5477 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5477 \div 5 = 1095 \text{ remainder } 2$$

$$\begin{array}{r} 1095 \\ 5 \mid 5477 \\ \underline{5} \\ - \end{array}$$

```

4
0
-
47
45
--
27
25
--
2 ← remainder

```

$$5477 \div 7 = 782 \text{ remainder } 3$$

```

      782
7 | 5477
  49
  --
   57
   56
   --
   17
   14
   --
   3 ← remainder

```

$$5477 \div 11 = 497 \text{ remainder } 10$$

```

      497
11 | 5477
   44
   --
  107
   99
   --
   87
   77
   --
  10 ← remainder

```

$$5477 \div 13 = 421 \text{ remainder } 4$$

```

      421
13 | 5477
   52

```

```

--
27
26
--
17
13
--
4 ← remainder

```

$$5477 \div 17 = 322 \text{ remainder } 3$$

```

      322
17 | 5477
    51
    --
    37
    34
    --
    37
    34
    --
    3 ← remainder

```

$$5477 \div 19 = 288 \text{ remainder } 5$$

```

      288
19 | 5477
    38
    --
    167
    152
    ---
    157
    152
    ---
    5 ← remainder

```

$$5477 \div 23 = 238 \text{ remainder } 3$$

```

      238
23 | 5477
    46
    --
    87

```

```

69
--
187
184
---
3 ← remainder

```

$$5477 \div 29 = 188 \text{ remainder } 25$$

```

      188
29 | 5477
    29
    --
    257
    232
    ---
    257
    232
    ---
    25 ← remainder

```

$$5477 \div 31 = 176 \text{ remainder } 21$$

```

      176
31 | 5477
    31
    --
    237
    217
    ---
    207
    186
    ---
    21 ← remainder

```

$$5477 \div 37 = 148 \text{ remainder } 1$$

```

      148
37 | 5477
    37
    --
    177
    148
    ---

```

```

297
296
---
1 ← remainder

```

$$5477 \div 41 = 133 \text{ remainder } 24$$

```

      133
41 | 5477
    41
    --
    137
    123
    ---
    147
    123
    ---
    24 ← remainder

```

$$5477 \div 43 = 127 \text{ remainder } 16$$

```

      127
43 | 5477
    43
    --
    117
    86
    --
    317
    301
    ---
    16 ← remainder

```

$$5477 \div 47 = 116 \text{ remainder } 25$$

```

      116
47 | 5477
    47
    --
    77
    47
    --
    307
    282

```

25 ← remainder

$$5477 \div 53 = 103 \text{ remainder } 18$$

```
    103
53 | 5477
    53
    --
    17
    0
    -
    177
    159
    ---
    18 ← remainder
```

$$5477 \div 59 = 92 \text{ remainder } 49$$

```
    92
59 | 5477
    531
    ---
    167
    118
    ---
    49 ← remainder
```

$$5477 \div 61 = 89 \text{ remainder } 48$$

```
    89
61 | 5477
    488
    ---
    597
    549
    ---
    48 ← remainder
```

$$5477 \div 67 = 81 \text{ remainder } 50$$

```
    81
67 | 5477
    536
```

117
67
--

50 ← remainder

$5477 \div 71 = 77 \text{ remainder } 10$

77
71 | 5477
497

507
497

10 ← remainder

$5477 \div 73 = 75 \text{ remainder } 2$

75
73 | 5477
511

367
365

2 ← remainder

P₇₂₄ 5479

$$5479 \div 2 = 2739 \text{ remainder } 1$$

$$\begin{array}{r} 2739 \\ 2 \mid 5479 \\ 4 \\ - \\ 14 \\ 14 \\ - - \\ 7 \\ 6 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5479 \div 3 = 1826 \text{ remainder } 1$$

$$\begin{array}{r} 1826 \\ 3 \mid 5479 \\ 3 \\ - \\ 24 \\ 24 \\ - - \\ 7 \\ 6 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5479 \div 5 = 1095 \text{ remainder } 4$$

$$\begin{array}{r} 1095 \\ 5 \mid 5479 \\ 5 \\ - \end{array}$$

```

4
0
-
47
45
--
29
25
--
4 ← remainder

```

$$5479 \div 7 = 782 \text{ remainder } 5$$

```

      782
7 | 5479
   49
   --
   57
   56
   --
   19
   14
   --
   5 ← remainder

```

$$5479 \div 11 = 498 \text{ remainder } 1$$

```

      498
11 | 5479
   44
   --
  107
   99
   --
   89
   88
   --
   1 ← remainder

```

$$5479 \div 13 = 421 \text{ remainder } 6$$

```

      421
13 | 5479
   52

```

```

--
27
26
--
19
13
--
6 ← remainder

```

$$5479 \div 17 = 322 \text{ remainder } 5$$

```

    322
17 | 5479
    51
    --
    37
    34
    --
    39
    34
    --
    5 ← remainder

```

$$5479 \div 19 = 288 \text{ remainder } 7$$

```

    288
19 | 5479
    38
    --
    167
    152
    ---
    159
    152
    ---
    7 ← remainder

```

$$5479 \div 23 = 238 \text{ remainder } 5$$

```

    238
23 | 5479
    46
    --
    87

```

```

69
--
189
184
---
5 ← remainder

```

$$5479 \div 29 = 188 \text{ remainder } 27$$

```

      188
29 | 5479
    29
    --
    257
    232
    ---
    259
    232
    ---
    27 ← remainder

```

$$5479 \div 31 = 176 \text{ remainder } 23$$

```

      176
31 | 5479
    31
    --
    237
    217
    ---
    209
    186
    ---
    23 ← remainder

```

$$5479 \div 37 = 148 \text{ remainder } 3$$

```

      148
37 | 5479
    37
    --
    177
    148
    ---

```

```

299
296
---
3 ← remainder

```

$$5479 \div 41 = 133 \text{ remainder } 26$$

```

      133
41 | 5479
    41
    --
    137
    123
    ---
    149
    123
    ---
    26 ← remainder

```

$$5479 \div 43 = 127 \text{ remainder } 18$$

```

      127
43 | 5479
    43
    --
    117
    86
    --
    319
    301
    ---
    18 ← remainder

```

$$5479 \div 47 = 116 \text{ remainder } 27$$

```

      116
47 | 5479
    47
    --
    77
    47
    --
    309
    282

```

27 ← remainder

$$5479 \div 53 = 103 \text{ remainder } 20$$

103
53 | 5479
53
--
17
0
-
179
159

20 ← remainder

$$5479 \div 59 = 92 \text{ remainder } 51$$

92
59 | 5479
531

169
118

51 ← remainder

$$5479 \div 61 = 89 \text{ remainder } 50$$

89
61 | 5479
488

599
549

50 ← remainder

$$5479 \div 67 = 81 \text{ remainder } 52$$

81
67 | 5479
536

119
67
--

52 ← remainder

$5479 \div 71 = 77 \text{ remainder } 12$

77
71 | 5479
497

509
497

12 ← remainder

$5479 \div 73 = 75 \text{ remainder } 4$

75
73 | 5479
511

369
365

4 ← remainder

P₇₂₅ 5483

$$5483 \div 2 = 2741 \text{ remainder } 1$$

$$\begin{array}{r} 2741 \\ 2 \mid 5483 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 3 = 1827 \text{ remainder } 2$$

$$\begin{array}{r} 1827 \\ 3 \mid 5483 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5483 \div 5 = 1096 \text{ remainder } 3$$

$$\begin{array}{r} 1096 \\ 5 \mid 5483 \\ \underline{5} \\ - \end{array}$$

```

4
0
-
48
45
--
33
30
--
3 ← remainder

```

$$5483 \div 7 = 783 \text{ remainder } 2$$

```

    783
7 | 5483
  49
  --
  58
  56
  --
  23
  21
  --
  2 ← remainder

```

$$5483 \div 11 = 498 \text{ remainder } 5$$

```

    498
11 | 5483
   44
   --
  108
   99
   --
   93
   88
   --
   5 ← remainder

```

$$5483 \div 13 = 421 \text{ remainder } 10$$

```

    421
13 | 5483
   52

```

```

--
28
26
--
23
13
--
10 ← remainder

```

$$5483 \div 17 = 322 \text{ remainder } 9$$

```

      322
17 | 5483
    51
    --
    38
    34
    --
    43
    34
    --
    9 ← remainder

```

$$5483 \div 19 = 288 \text{ remainder } 11$$

```

      288
19 | 5483
    38
    --
    168
    152
    ---
    163
    152
    ---
    11 ← remainder

```

$$5483 \div 23 = 238 \text{ remainder } 9$$

```

      238
23 | 5483
    46
    --
    88

```

```

69
--
193
184
---
9 ← remainder

```

$$5483 \div 29 = 189 \text{ remainder } 2$$

```

      189
29 | 5483
    29
    --
    258
    232
    ---
    263
    261
    ---
    2 ← remainder

```

$$5483 \div 31 = 176 \text{ remainder } 27$$

```

      176
31 | 5483
    31
    --
    238
    217
    ---
    213
    186
    ---
    27 ← remainder

```

$$5483 \div 37 = 148 \text{ remainder } 7$$

```

      148
37 | 5483
    37
    --
    178
    148
    ---

```

```

303
296
---
7 ← remainder

```

$$5483 \div 41 = 133 \text{ remainder } 30$$

```

      133
41 | 5483
    41
    --
    138
    123
    ---
    153
    123
    ---
    30 ← remainder

```

$$5483 \div 43 = 127 \text{ remainder } 22$$

```

      127
43 | 5483
    43
    --
    118
    86
    --
    323
    301
    ---
    22 ← remainder

```

$$5483 \div 47 = 116 \text{ remainder } 31$$

```

      116
47 | 5483
    47
    --
    78
    47
    --
    313
    282

```

31 ← remainder

$$5483 \div 53 = 103 \text{ remainder } 24$$

```
      103
53 | 5483
    53
    --
    18
    0
    -
    183
    159
    ---
    24 ← remainder
```

$$5483 \div 59 = 92 \text{ remainder } 55$$

```
      92
59 | 5483
    531
    ---
    173
    118
    ---
    55 ← remainder
```

$$5483 \div 61 = 89 \text{ remainder } 54$$

```
      89
61 | 5483
    488
    ---
    603
    549
    ---
    54 ← remainder
```

$$5483 \div 67 = 81 \text{ remainder } 56$$

```
      81
67 | 5483
    536
```

123
67
--

56 ← remainder

$5483 \div 71 = 77 \text{ remainder } 16$

77
71 | 5483
497

513
497

16 ← remainder

$5483 \div 73 = 75 \text{ remainder } 8$

75
73 | 5483
511

373
365

8 ← remainder

P₇₂₆ 5501

$$5501 \div 2 = 2750 \text{ remainder } 1$$

$$\begin{array}{r} 2750 \\ 2 \mid 5501 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5501 \div 3 = 1833 \text{ remainder } 2$$

$$\begin{array}{r} 1833 \\ 3 \mid 5501 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5501 \div 5 = 1100 \text{ remainder } 1$$

$$\begin{array}{r} 1100 \\ 5 \mid 5501 \\ \underline{5} \\ - \end{array}$$

```

5
5
-
0
0
-
1
0
-
1 ← remainder

```

$$5501 \div 7 = 785 \text{ remainder } 6$$

```

      785
7 | 5501
  49
  --
   60
   56
   --
   41
   35
   --
   6 ← remainder

```

$$5501 \div 11 = 500 \text{ remainder } 1$$

```

      500
11 | 5501
   55
   --
    0
    0
    -
    1
    0
    -
    1 ← remainder

```

$$5501 \div 13 = 423 \text{ remainder } 2$$

```

      423
13 | 5501
   52

```

```

--
30
26
--
41
39
--
2 ← remainder

```

$$5501 \div 17 = 323 \text{ remainder } 10$$

```

      323
17 | 5501
    51
    --
    40
    34
    --
    61
    51
    --
    10 ← remainder

```

$$5501 \div 19 = 289 \text{ remainder } 10$$

```

      289
19 | 5501
    38
    --
    170
    152
    ---
    181
    171
    ---
    10 ← remainder

```

$$5501 \div 23 = 239 \text{ remainder } 4$$

```

      239
23 | 5501
    46
    --
    90

```

```

69
--
211
207
---
4 ← remainder

```

$$5501 \div 29 = 189 \text{ remainder } 20$$

```

189
29 | 5501
   29
   --
   260
   232
   ---
   281
   261
   ---
   20 ← remainder

```

$$5501 \div 31 = 177 \text{ remainder } 14$$

```

177
31 | 5501
   31
   --
   240
   217
   ---
   231
   217
   ---
   14 ← remainder

```

$$5501 \div 37 = 148 \text{ remainder } 25$$

```

148
37 | 5501
   37
   --
   180
   148
   ---

```

```

321
296
---
25 ← remainder

```

$$5501 \div 41 = 134 \text{ remainder } 7$$

```

134
41 | 5501
   41
   --
   140
   123
   ---
   171
   164
   ---
   7 ← remainder

```

$$5501 \div 43 = 127 \text{ remainder } 40$$

```

127
43 | 5501
   43
   --
   120
   86
   --
   341
   301
   ---
   40 ← remainder

```

$$5501 \div 47 = 117 \text{ remainder } 2$$

```

117
47 | 5501
   47
   --
   80
   47
   --
   331
   329

```

2 ← remainder

$$5501 \div 53 = 103 \text{ remainder } 42$$

103
53 | 5501
53
--
20
0
-
201
159

42 ← remainder

$$5501 \div 59 = 93 \text{ remainder } 14$$

93
59 | 5501
531

191
177

14 ← remainder

$$5501 \div 61 = 90 \text{ remainder } 11$$

90
61 | 5501
549

11
0
-
11 ← remainder

$$5501 \div 67 = 82 \text{ remainder } 7$$

82
67 | 5501
536

```

  ---
141
134
  ---
7 ← remainder

```

$$5501 \div 71 = 77 \text{ remainder } 34$$

```

    77
71 | 5501
    497
    ---
    531
    497
    ---
    34 ← remainder

```

$$5501 \div 73 = 75 \text{ remainder } 26$$

```

    75
73 | 5501
    511
    ---
    391
    365
    ---
    26 ← remainder

```

P₇₂₇ 5503

$$5503 \div 2 = 2751 \text{ remainder } 1$$

$$\begin{array}{r} 2751 \\ 2 \mid 5503 \\ 4 \\ - \\ 15 \\ 14 \\ - - \\ 10 \\ 10 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 3 = 1834 \text{ remainder } 1$$

$$\begin{array}{r} 1834 \\ 3 \mid 5503 \\ 3 \\ - \\ 25 \\ 24 \\ - - \\ 10 \\ 9 \\ - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5503 \div 5 = 1100 \text{ remainder } 3$$

$$\begin{array}{r} 1100 \\ 5 \mid 5503 \\ 5 \\ - \end{array}$$


```

5
5
-
0
0
-
3
0
-
3 ← remainder

```

$$5503 \div 7 = 786 \text{ remainder } 1$$

```

      786
7 | 5503
  49
  --
   60
   56
   --
   43
   42
   --
    1 ← remainder

```

$$5503 \div 11 = 500 \text{ remainder } 3$$

```

      500
11 | 5503
   55
   --
    0
    0
    -
    3
    0
    -
    3 ← remainder

```

$$5503 \div 13 = 423 \text{ remainder } 4$$

```

      423
13 | 5503
   52

```

```

--
30
26
--
43
39
--
4 ← remainder

```

$$5503 \div 17 = 323 \text{ remainder } 12$$

```

      323
17 | 5503
    51
    --
    40
    34
    --
    63
    51
    --
    12 ← remainder

```

$$5503 \div 19 = 289 \text{ remainder } 12$$

```

      289
19 | 5503
    38
    --
    170
    152
    ---
    183
    171
    ---
    12 ← remainder

```

$$5503 \div 23 = 239 \text{ remainder } 6$$

```

      239
23 | 5503
    46
    --
    90

```

```

69
--
213
207
---
6 ← remainder

```

$$5503 \div 29 = 189 \text{ remainder } 22$$

```

189
29 | 5503
   29
   --
   260
   232
   ---
   283
   261
   ---
   22 ← remainder

```

$$5503 \div 31 = 177 \text{ remainder } 16$$

```

177
31 | 5503
   31
   --
   240
   217
   ---
   233
   217
   ---
   16 ← remainder

```

$$5503 \div 37 = 148 \text{ remainder } 27$$

```

148
37 | 5503
   37
   --
   180
   148
   ---

```

```

323
296
---
27 ← remainder

```

$$5503 \div 41 = 134 \text{ remainder } 9$$

```

134
41 | 5503
   41
   --
   140
   123
   ---
   173
   164
   ---
   9 ← remainder

```

$$5503 \div 43 = 127 \text{ remainder } 42$$

```

127
43 | 5503
   43
   --
   120
   86
   --
   343
   301
   ---
   42 ← remainder

```

$$5503 \div 47 = 117 \text{ remainder } 4$$

```

117
47 | 5503
   47
   --
   80
   47
   --
   333
   329

```

4 ← remainder

$$5503 \div 53 = 103 \text{ remainder } 44$$

103
53 | 5503
53
--
20
0
-
203
159

44 ← remainder

$$5503 \div 59 = 93 \text{ remainder } 16$$

93
59 | 5503
531

193
177

16 ← remainder

$$5503 \div 61 = 90 \text{ remainder } 13$$

90
61 | 5503
549

13
0
-
13 ← remainder

$$5503 \div 67 = 82 \text{ remainder } 9$$

82
67 | 5503
536

```

  ---
143
134
  ---
9 ← remainder

```

$$5503 \div 71 = 77 \text{ remainder } 36$$

```

    77
71 | 5503
    497
    ---
    533
    497
    ---
    36 ← remainder

```

$$5503 \div 73 = 75 \text{ remainder } 28$$

```

    75
73 | 5503
    511
    ---
    393
    365
    ---
    28 ← remainder

```

P₇₂₈ 5507

$$5507 \div 2 = 2753 \text{ remainder } 1$$

$$\begin{array}{r} 2753 \\ 2 \mid 5507 \\ 4 \\ - \\ 15 \\ 14 \\ - - \\ 10 \\ 10 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5507 \div 3 = 1835 \text{ remainder } 2$$

$$\begin{array}{r} 1835 \\ 3 \mid 5507 \\ 3 \\ - \\ 25 \\ 24 \\ - - \\ 10 \\ 9 \\ - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5507 \div 5 = 1101 \text{ remainder } 2$$

$$\begin{array}{r} 1101 \\ 5 \mid 5507 \\ 5 \\ - \end{array}$$

```

5
5
-
0
0
-
7
5
-
2 ← remainder

```

$$5507 \div 7 = 786 \text{ remainder } 5$$

```

      786
7 | 5507
  49
  --
   60
   56
   --
   47
   42
   --
    5 ← remainder

```

$$5507 \div 11 = 500 \text{ remainder } 7$$

```

      500
11 | 5507
   55
   --
    0
    0
    -
    7
    0
    -
    7 ← remainder

```

$$5507 \div 13 = 423 \text{ remainder } 8$$

```

      423
13 | 5507
   52

```



```

--
30
26
--
47
39
--
8 ← remainder

```

$$5507 \div 17 = 323 \text{ remainder } 16$$

```

      323
17 | 5507
    51
    --
    40
    34
    --
    67
    51
    --
    16 ← remainder

```

$$5507 \div 19 = 289 \text{ remainder } 16$$

```

      289
19 | 5507
    38
    --
    170
    152
    ---
    187
    171
    ---
    16 ← remainder

```

$$5507 \div 23 = 239 \text{ remainder } 10$$

```

      239
23 | 5507
    46
    --
    90

```

```

69
--
217
207
---
10 ← remainder

```

$$5507 \div 29 = 189 \text{ remainder } 26$$

```

189
29 | 5507
   29
   --
   260
   232
   ---
   287
   261
   ---
   26 ← remainder

```

$$5507 \div 31 = 177 \text{ remainder } 20$$

```

177
31 | 5507
   31
   --
   240
   217
   ---
   237
   217
   ---
   20 ← remainder

```

$$5507 \div 37 = 148 \text{ remainder } 31$$

```

148
37 | 5507
   37
   --
   180
   148
   ---

```

```

327
296
---
31 ← remainder

```

$$5507 \div 41 = 134 \text{ remainder } 13$$

```

134
41 | 5507
   41
   --
   140
   123
   ---
   177
   164
   ---
   13 ← remainder

```

$$5507 \div 43 = 128 \text{ remainder } 3$$

```

128
43 | 5507
   43
   --
   120
   86
   --
   347
   344
   ---
   3 ← remainder

```

$$5507 \div 47 = 117 \text{ remainder } 8$$

```

117
47 | 5507
   47
   --
   80
   47
   --
   337
   329

```

8 ← remainder

$$5507 \div 53 = 103 \text{ remainder } 48$$

103
53 | 5507
53
--
20
0
-
207
159

48 ← remainder

$$5507 \div 59 = 93 \text{ remainder } 20$$

93
59 | 5507
531

197
177

20 ← remainder

$$5507 \div 61 = 90 \text{ remainder } 17$$

90
61 | 5507
549

17
0
-
17 ← remainder

$$5507 \div 67 = 82 \text{ remainder } 13$$

82
67 | 5507
536

147

134

13 ← remainder

$$5507 \div 71 = 77 \text{ remainder } 40$$

77

71 | 5507

497

537

497

40 ← remainder

$$5507 \div 73 = 75 \text{ remainder } 32$$

75

73 | 5507

511

397

365

32 ← remainder

P₇₂₉ 5519

$$5519 \div 2 = 2759 \text{ remainder } 1$$

$$\begin{array}{r} 2759 \\ 2 \mid 5519 \\ 4 \\ - \\ 15 \\ 14 \\ - - \\ 11 \\ 10 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5519 \div 3 = 1839 \text{ remainder } 2$$

$$\begin{array}{r} 1839 \\ 3 \mid 5519 \\ 3 \\ - \\ 25 \\ 24 \\ - - \\ 11 \\ 9 \\ - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5519 \div 5 = 1103 \text{ remainder } 4$$

$$\begin{array}{r} 1103 \\ 5 \mid 5519 \\ 5 \\ - \end{array}$$

```

5
5
-
1
0
-
19
15
--
4 ← remainder

```

$$5519 \div 7 = 788 \text{ remainder } 3$$

```

    788
7 | 5519
   49
   --
   61
   56
   --
   59
   56
   --
   3 ← remainder

```

$$5519 \div 11 = 501 \text{ remainder } 8$$

```

    501
11 | 5519
   55
   --
    1
    0
    -
    19
    11
    --
    8 ← remainder

```

$$5519 \div 13 = 424 \text{ remainder } 7$$

```

    424
13 | 5519
   52

```

```

--
31
26
--
59
52
--
7 ← remainder

```

$$5519 \div 17 = 324 \text{ remainder } 11$$

```

      324
17 | 5519
    51
    --
    41
    34
    --
    79
    68
    --
    11 ← remainder

```

$$5519 \div 19 = 290 \text{ remainder } 9$$

```

      290
19 | 5519
    38
    --
    171
    171
    ---
     9
     0
     -
     9 ← remainder

```

$$5519 \div 23 = 239 \text{ remainder } 22$$

```

      239
23 | 5519
    46
    --
    91

```



```

69
--
229
207
---
22 ← remainder

```

$$5519 \div 29 = 190 \text{ remainder } 9$$

```

190
29 | 5519
   29
   --
   261
   261
   ---
     9
     0
     -
     9 ← remainder

```

$$5519 \div 31 = 178 \text{ remainder } 1$$

```

178
31 | 5519
   31
   --
   241
   217
   ---
   249
   248
   ---
     1 ← remainder

```

$$5519 \div 37 = 149 \text{ remainder } 6$$

```

149
37 | 5519
   37
   --
   181
   148
   ---

```

```

339
333
---
6 ← remainder

```

$$5519 \div 41 = 134 \text{ remainder } 25$$

```

134
41 | 5519
   41
   --
   141
   123
   ---
   189
   164
   ---
   25 ← remainder

```

$$5519 \div 43 = 128 \text{ remainder } 15$$

```

128
43 | 5519
   43
   --
   121
   86
   --
   359
   344
   ---
   15 ← remainder

```

$$5519 \div 47 = 117 \text{ remainder } 20$$

```

117
47 | 5519
   47
   --
   81
   47
   --
   349
   329

```

20 ← remainder

$$5519 \div 53 = 104 \text{ remainder } 7$$

```
      104
53 | 5519
    53
    --
    21
    0
    -
    219
    212
    ---
    7 ← remainder
```

$$5519 \div 59 = 93 \text{ remainder } 32$$

```
      93
59 | 5519
    531
    ---
    209
    177
    ---
    32 ← remainder
```

$$5519 \div 61 = 90 \text{ remainder } 29$$

```
      90
61 | 5519
    549
    ---
    29
    0
    -
    29 ← remainder
```

$$5519 \div 67 = 82 \text{ remainder } 25$$

```
      82
67 | 5519
    536
```

```

  ---
159
134
  ---
25 ← remainder

```

$$5519 \div 71 = 77 \text{ remainder } 52$$

```

    77
71 | 5519
    497
    ---
    549
    497
    ---
    52 ← remainder

```

$$5519 \div 73 = 75 \text{ remainder } 44$$

```

    75
73 | 5519
    511
    ---
    409
    365
    ---
    44 ← remainder

```

P₇₃₀ 5521

$$5521 \div 2 = 2760 \text{ remainder } 1$$

$$\begin{array}{r} 2760 \\ 2 \mid 5521 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - \\ 12 \\ \underline{12} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5521 \div 3 = 1840 \text{ remainder } 1$$

$$\begin{array}{r} 1840 \\ 3 \mid 5521 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - \\ 12 \\ \underline{12} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5521 \div 5 = 1104 \text{ remainder } 1$$

$$\begin{array}{r} 1104 \\ 5 \mid 5521 \\ \underline{5} \\ - \end{array}$$

```

5
5
-
2
0
-
21
20
--
1 ← remainder

```

$$5521 \div 7 = 788 \text{ remainder } 5$$

```

      788
7 | 5521
  49
  --
   62
   56
   --
   61
   56
   --
   5 ← remainder

```

$$5521 \div 11 = 501 \text{ remainder } 10$$

```

      501
11 | 5521
   55
   --
    2
    0
    -
    21
    11
    --
    10 ← remainder

```

$$5521 \div 13 = 424 \text{ remainder } 9$$

```

      424
13 | 5521
   52

```

```

--
32
26
--
61
52
--
9 ← remainder

```

$$5521 \div 17 = 324 \text{ remainder } 13$$

```

      324
17 | 5521
    51
    --
    42
    34
    --
    81
    68
    --
    13 ← remainder

```

$$5521 \div 19 = 290 \text{ remainder } 11$$

```

      290
19 | 5521
    38
    --
    172
    171
    ---
    11
    0
    -
    11 ← remainder

```

$$5521 \div 23 = 240 \text{ remainder } 1$$

```

      240
23 | 5521
    46
    --
    92

```

```

92
--
1
0
-
1 ← remainder

```

$$5521 \div 29 = 190 \text{ remainder } 11$$

```

190
29 | 5521
   29
   --
   262
   261
   ---
   11
   0
   -
   11 ← remainder

```

$$5521 \div 31 = 178 \text{ remainder } 3$$

```

178
31 | 5521
   31
   --
   242
   217
   ---
   251
   248
   ---
   3 ← remainder

```

$$5521 \div 37 = 149 \text{ remainder } 8$$

```

149
37 | 5521
   37
   --
   182
   148
   ---

```



```

341
333
---
8 ← remainder

```

$$5521 \div 41 = 134 \text{ remainder } 27$$

```

134
41 | 5521
   41
   --
   142
   123
   ---
   191
   164
   ---
   27 ← remainder

```

$$5521 \div 43 = 128 \text{ remainder } 17$$

```

128
43 | 5521
   43
   --
   122
   86
   --
   361
   344
   ---
   17 ← remainder

```

$$5521 \div 47 = 117 \text{ remainder } 22$$

```

117
47 | 5521
   47
   --
   82
   47
   --
   351
   329

```

22 ← remainder

$$5521 \div 53 = 104 \text{ remainder } 9$$

104
53 | 5521
53
--
22
0
-
221
212

9 ← remainder

$$5521 \div 59 = 93 \text{ remainder } 34$$

93
59 | 5521
531

211
177

34 ← remainder

$$5521 \div 61 = 90 \text{ remainder } 31$$

90
61 | 5521
549

31
0
-
31 ← remainder

$$5521 \div 67 = 82 \text{ remainder } 27$$

82
67 | 5521
536

```

  ---
 161
 134
  ---
 27 ← remainder

```

$5521 \div 71 = 77 \text{ remainder } 54$

```

    77
71 | 5521
    497
    ---
    551
    497
    ---
    54 ← remainder

```

$5521 \div 73 = 75 \text{ remainder } 46$

```

    75
73 | 5521
    511
    ---
    411
    365
    ---
    46 ← remainder

```

P₇₃₁ 5527

$$5527 \div 2 = 2763 \text{ remainder } 1$$

$$\begin{array}{r} 2763 \\ 2 \mid 5527 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5527 \div 3 = 1842 \text{ remainder } 1$$

$$\begin{array}{r} 1842 \\ 3 \mid 5527 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5527 \div 5 = 1105 \text{ remainder } 2$$

$$\begin{array}{r} 1105 \\ 5 \mid 5527 \\ \underline{5} \\ - \end{array}$$

```

5
5
-
2
0
-
27
25
--
2 ← remainder

```

$$5527 \div 7 = 789 \text{ remainder } 4$$

```

789
7 | 5527
49
--
62
56
--
67
63
--
4 ← remainder

```

$$5527 \div 11 = 502 \text{ remainder } 5$$

```

502
11 | 5527
55
--
2
0
-
27
22
--
5 ← remainder

```

$$5527 \div 13 = 425 \text{ remainder } 2$$

```

425
13 | 5527
52

```

```

--
32
26
--
67
65
--
2 ← remainder

```

$$5527 \div 17 = 325 \text{ remainder } 2$$

```

      325
17 | 5527
    51
    --
    42
    34
    --
    87
    85
    --
    2 ← remainder

```

$$5527 \div 19 = 290 \text{ remainder } 17$$

```

      290
19 | 5527
    38
    --
    172
    171
    ---
    17
    0
    -
    17 ← remainder

```

$$5527 \div 23 = 240 \text{ remainder } 7$$

```

      240
23 | 5527
    46
    --
    92

```

```

92
--
7
0
-
7 ← remainder

```

$$5527 \div 29 = 190 \text{ remainder } 17$$

```

190
29 | 5527
   29
   --
   262
   261
   ---
   17
   0
   -
   17 ← remainder

```

$$5527 \div 31 = 178 \text{ remainder } 9$$

```

178
31 | 5527
   31
   --
   242
   217
   ---
   257
   248
   ---
   9 ← remainder

```

$$5527 \div 37 = 149 \text{ remainder } 14$$

```

149
37 | 5527
   37
   --
   182
   148
   ---

```

```

347
333
---
14 ← remainder

```

$$5527 \div 41 = 134 \text{ remainder } 33$$

```

134
41 | 5527
   41
   --
   142
   123
   ---
   197
   164
   ---
   33 ← remainder

```

$$5527 \div 43 = 128 \text{ remainder } 23$$

```

128
43 | 5527
   43
   --
   122
   86
   --
   367
   344
   ---
   23 ← remainder

```

$$5527 \div 47 = 117 \text{ remainder } 28$$

```

117
47 | 5527
   47
   --
   82
   47
   --
   357
   329

```

28 ← remainder

$$5527 \div 53 = 104 \text{ remainder } 15$$

104
53 | 5527
53
--
22
0
-
227
212

15 ← remainder

$$5527 \div 59 = 93 \text{ remainder } 40$$

93
59 | 5527
531

217
177

40 ← remainder

$$5527 \div 61 = 90 \text{ remainder } 37$$

90
61 | 5527
549

37
0
-
37 ← remainder

$$5527 \div 67 = 82 \text{ remainder } 33$$

82
67 | 5527
536

167

134

33 ← remainder

$$5527 \div 71 = 77 \text{ remainder } 60$$

77

71 | 5527

497

557

497

60 ← remainder

$$5527 \div 73 = 75 \text{ remainder } 52$$

75

73 | 5527

511

417

365

52 ← remainder

P₇₃₂ 5531

$$5531 \div 2 = 2765 \text{ remainder } 1$$

$$\begin{array}{r} 2765 \\ 2 \mid 5531 \\ 4 \\ - \\ 15 \\ 14 \\ - - \\ 13 \\ 12 \\ - - \\ 11 \\ 10 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5531 \div 3 = 1843 \text{ remainder } 2$$

$$\begin{array}{r} 1843 \\ 3 \mid 5531 \\ 3 \\ - \\ 25 \\ 24 \\ - - \\ 13 \\ 12 \\ - - \\ 11 \\ 9 \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5531 \div 5 = 1106 \text{ remainder } 1$$

$$\begin{array}{r} 1106 \\ 5 \mid 5531 \\ 5 \\ - \end{array}$$

```

5
5
-
3
0
-
31
30
--
1 ← remainder

```

$$5531 \div 7 = 790 \text{ remainder } 1$$

```

    790
7 | 5531
   49
   --
   63
   63
   --
   1
   0
   -
   1 ← remainder

```

$$5531 \div 11 = 502 \text{ remainder } 9$$

```

    502
11 | 5531
   55
   --
   3
   0
   -
   31
   22
   --
   9 ← remainder

```

$$5531 \div 13 = 425 \text{ remainder } 6$$

```

    425
13 | 5531
   52

```

```

--
33
26
--
71
65
--
6 ← remainder

```

$$5531 \div 17 = 325 \text{ remainder } 6$$

```

      325
17 | 5531
    51
    --
    43
    34
    --
    91
    85
    --
    6 ← remainder

```

$$5531 \div 19 = 291 \text{ remainder } 2$$

```

      291
19 | 5531
    38
    --
    173
    171
    ---
    21
    19
    --
    2 ← remainder

```

$$5531 \div 23 = 240 \text{ remainder } 11$$

```

      240
23 | 5531
    46
    --
    93

```

```

92
--
11
0
-
11 ← remainder

```

$$5531 \div 29 = 190 \text{ remainder } 21$$

```

190
29 | 5531
   29
   --
  263
  261
  ---
   21
   0
   -
  21 ← remainder

```

$$5531 \div 31 = 178 \text{ remainder } 13$$

```

178
31 | 5531
   31
   --
  243
  217
  ---
   261
   248
   ---
    13 ← remainder

```

$$5531 \div 37 = 149 \text{ remainder } 18$$

```

149
37 | 5531
   37
   --
  183
  148
  ---

```

```

351
333
---
18 ← remainder

```

$$5531 \div 41 = 134 \text{ remainder } 37$$

```

134
41 | 5531
   41
   --
   143
   123
   ---
   201
   164
   ---
   37 ← remainder

```

$$5531 \div 43 = 128 \text{ remainder } 27$$

```

128
43 | 5531
   43
   --
   123
   86
   --
   371
   344
   ---
   27 ← remainder

```

$$5531 \div 47 = 117 \text{ remainder } 32$$

```

117
47 | 5531
   47
   --
   83
   47
   --
   361
   329

```

32 ← remainder

$$5531 \div 53 = 104 \text{ remainder } 19$$

```
    104
53 | 5531
    53
    --
    23
    0
    -
    231
    212
    ---
    19 ← remainder
```

$$5531 \div 59 = 93 \text{ remainder } 44$$

```
    93
59 | 5531
    531
    ---
    221
    177
    ---
    44 ← remainder
```

$$5531 \div 61 = 90 \text{ remainder } 41$$

```
    90
61 | 5531
    549
    ---
    41
    0
    -
    41 ← remainder
```

$$5531 \div 67 = 82 \text{ remainder } 37$$

```
    82
67 | 5531
    536
```

171
134

37 ← remainder

$5531 \div 71 = 77 \text{ remainder } 64$

77
71 | 5531
497

561
497

64 ← remainder

$5531 \div 73 = 75 \text{ remainder } 56$

75
73 | 5531
511

421
365

56 ← remainder

P₇₃₃ 5557

$$5557 \div 2 = 2778 \text{ remainder } 1$$

$$\begin{array}{r} 2778 \\ 2 \mid 5557 \\ 4 \\ - \\ 15 \\ 14 \\ - - \\ 15 \\ 14 \\ - - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5557 \div 3 = 1852 \text{ remainder } 1$$

$$\begin{array}{r} 1852 \\ 3 \mid 5557 \\ 3 \\ - \\ 25 \\ 24 \\ - - \\ 15 \\ 15 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5557 \div 5 = 1111 \text{ remainder } 2$$

$$\begin{array}{r} 1111 \\ 5 \mid 5557 \\ 5 \\ - \end{array}$$

```

5
5
-
5
5
-
7
5
-
2 ← remainder

```

$$5557 \div 7 = 793 \text{ remainder } 6$$

```

    793
7 | 5557
  49
  --
  65
  63
  --
  27
  21
  --
  6 ← remainder

```

$$5557 \div 11 = 505 \text{ remainder } 2$$

```

    505
11 | 5557
   55
   --
    5
    0
    -
    57
    55
    --
    2 ← remainder

```

$$5557 \div 13 = 427 \text{ remainder } 6$$

```

    427
13 | 5557
   52

```

```

--
35
26
--
97
91
--
6 ← remainder

```

$$5557 \div 17 = 326 \text{ remainder } 15$$

```

      326
17 | 5557
    51
    --
    45
    34
    --
    117
    102
    ---
    15 ← remainder

```

$$5557 \div 19 = 292 \text{ remainder } 9$$

```

      292
19 | 5557
    38
    --
    175
    171
    ---
    47
    38
    --
    9 ← remainder

```

$$5557 \div 23 = 241 \text{ remainder } 14$$

```

      241
23 | 5557
    46
    --
    95

```

```

92
--
37
23
--
14 ← remainder

```

$$5557 \div 29 = 191 \text{ remainder } 18$$

```

191
29 | 5557
   29
   --
   265
   261
   ---
    47
    29
    --
    18 ← remainder

```

$$5557 \div 31 = 179 \text{ remainder } 8$$

```

179
31 | 5557
   31
   --
   245
   217
   ---
    287
    279
    ---
     8 ← remainder

```

$$5557 \div 37 = 150 \text{ remainder } 7$$

```

150
37 | 5557
   37
   --
   185
   185
   ---

```

```

  7
  0
  -
  7 ← remainder

```

$$5557 \div 41 = 135 \text{ remainder } 22$$

```

    135
41 | 5557
    41
    --
    145
    123
    ---
    227
    205
    ---
    22 ← remainder

```

$$5557 \div 43 = 129 \text{ remainder } 10$$

```

    129
43 | 5557
    43
    --
    125
    86
    --
    397
    387
    ---
    10 ← remainder

```

$$5557 \div 47 = 118 \text{ remainder } 11$$

```

    118
47 | 5557
    47
    --
    85
    47
    --
    387
    376

```

11 ← remainder

$$5557 \div 53 = 104 \text{ remainder } 45$$

104
53 | 5557
53
--
25
0
-
257
212

45 ← remainder

$$5557 \div 59 = 94 \text{ remainder } 11$$

94
59 | 5557
531

247
236

11 ← remainder

$$5557 \div 61 = 91 \text{ remainder } 6$$

91
61 | 5557
549

67
61
--
6 ← remainder

$$5557 \div 67 = 82 \text{ remainder } 63$$

82
67 | 5557
536

197
134

63 ← remainder

$$5557 \div 71 = 78 \text{ remainder } 19$$

78
71 | 5557
497

587
568

19 ← remainder

$$5557 \div 73 = 76 \text{ remainder } 9$$

76
73 | 5557
511

447
438

9 ← remainder

P₇₃₄ 5563

$$5563 \div 2 = 2781 \text{ remainder } 1$$

$$\begin{array}{r} 2781 \\ 2 \mid 5563 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5563 \div 3 = 1854 \text{ remainder } 1$$

$$\begin{array}{r} 1854 \\ 3 \mid 5563 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5563 \div 5 = 1112 \text{ remainder } 3$$

$$\begin{array}{r} 1112 \\ 5 \mid 5563 \\ \underline{5} \\ - \end{array}$$

```

5
5
-
6
5
-
13
10
--
3 ← remainder

```

$$5563 \div 7 = 794 \text{ remainder } 5$$

```

    794
7 | 5563
   49
   --
   66
   63
   --
   33
   28
   --
   5 ← remainder

```

$$5563 \div 11 = 505 \text{ remainder } 8$$

```

    505
11 | 5563
   55
   --
    6
    0
    -
   63
   55
   --
    8 ← remainder

```

$$5563 \div 13 = 427 \text{ remainder } 12$$

```

    427
13 | 5563
   52

```

```

--
36
26
--
103
91
--
12 ← remainder

```

$$5563 \div 17 = 327 \text{ remainder } 4$$

```

      327
17 | 5563
    51
    --
    46
    34
    --
    123
    119
    ---
    4 ← remainder

```

$$5563 \div 19 = 292 \text{ remainder } 15$$

```

      292
19 | 5563
    38
    --
    176
    171
    ---
    53
    38
    --
    15 ← remainder

```

$$5563 \div 23 = 241 \text{ remainder } 20$$

```

      241
23 | 5563
    46
    --
    96

```

```

92
--
43
23
--
20 ← remainder

```

$$5563 \div 29 = 191 \text{ remainder } 24$$

```

191
29 | 5563
   29
   --
   266
   261
   ---
    53
    29
    --
    24 ← remainder

```

$$5563 \div 31 = 179 \text{ remainder } 14$$

```

179
31 | 5563
   31
   --
   246
   217
   ---
    293
    279
    ---
    14 ← remainder

```

$$5563 \div 37 = 150 \text{ remainder } 13$$

```

150
37 | 5563
   37
   --
   186
   185
   ---

```

```

13
0
-
13 ← remainder

```

$$5563 \div 41 = 135 \text{ remainder } 28$$

```

135
41 | 5563
   41
   --
   146
   123
   ---
   233
   205
   ---
   28 ← remainder

```

$$5563 \div 43 = 129 \text{ remainder } 16$$

```

129
43 | 5563
   43
   --
   126
   86
   --
   403
   387
   ---
   16 ← remainder

```

$$5563 \div 47 = 118 \text{ remainder } 17$$

```

118
47 | 5563
   47
   --
   86
   47
   --
   393
   376

```

17 ← remainder

$$5563 \div 53 = 104 \text{ remainder } 51$$

$$\begin{array}{r} 104 \\ 53 \overline{) 5563} \\ \underline{53} \\ 26 \\ \underline{0} \\ 263 \\ \underline{212} \\ 51 \end{array}$$

51 ← remainder

$$5563 \div 59 = 94 \text{ remainder } 17$$

$$\begin{array}{r} 94 \\ 59 \overline{) 5563} \\ \underline{531} \\ 253 \\ \underline{236} \\ 17 \end{array}$$

17 ← remainder

$$5563 \div 61 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 61 \overline{) 5563} \\ \underline{549} \\ 73 \\ \underline{61} \\ 12 \end{array}$$

12 ← remainder

$$5563 \div 67 = 83 \text{ remainder } 2$$

$$\begin{array}{r} 83 \\ 67 \overline{) 5563} \\ \underline{536} \\ 2 \end{array}$$

```

  ---
203
201
  ---
2 ← remainder

```

$$5563 \div 71 = 78 \text{ remainder } 25$$

```

    78
71 | 5563
    497
    ---
    593
    568
    ---
    25 ← remainder

```

$$5563 \div 73 = 76 \text{ remainder } 15$$

```

    76
73 | 5563
    511
    ---
    453
    438
    ---
    15 ← remainder

```

P₇₃₅ 5569

$$5569 \div 2 = 2784 \text{ remainder } 1$$

$$\begin{array}{r} 2784 \\ 2 \mid 5569 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5569 \div 3 = 1856 \text{ remainder } 1$$

$$\begin{array}{r} 1856 \\ 3 \mid 5569 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5569 \div 5 = 1113 \text{ remainder } 4$$

$$\begin{array}{r} 1113 \\ 5 \mid 5569 \\ \underline{5} \\ - \end{array}$$


```

5
5
-
6
5
-
19
15
--
4 ← remainder

```

$$5569 \div 7 = 795 \text{ remainder } 4$$

```

    795
7 | 5569
   49
   --
   66
   63
   --
   39
   35
   --
   4 ← remainder

```

$$5569 \div 11 = 506 \text{ remainder } 3$$

```

    506
11 | 5569
   55
   --
    6
    0
    -
    69
    66
    --
    3 ← remainder

```

$$5569 \div 13 = 428 \text{ remainder } 5$$

```

    428
13 | 5569
   52

```

```

--
36
26
--
109
104
---
5 ← remainder

```

$$5569 \div 17 = 327 \text{ remainder } 10$$

```

      327
17 | 5569
    51
    --
    46
    34
    --
    129
    119
    ---
    10 ← remainder

```

$$5569 \div 19 = 293 \text{ remainder } 2$$

```

      293
19 | 5569
    38
    --
    176
    171
    ---
    59
    57
    --
    2 ← remainder

```

$$5569 \div 23 = 242 \text{ remainder } 3$$

```

      242
23 | 5569
    46
    --
    96

```

```

92
--
49
46
--
3 ← remainder

```

$$5569 \div 29 = 192 \text{ remainder } 1$$

```

192
29 | 5569
   29
   --
   266
   261
   ---
   59
   58
   --
   1 ← remainder

```

$$5569 \div 31 = 179 \text{ remainder } 20$$

```

179
31 | 5569
   31
   --
   246
   217
   ---
   299
   279
   ---
   20 ← remainder

```

$$5569 \div 37 = 150 \text{ remainder } 19$$

```

150
37 | 5569
   37
   --
   186
   185
   ---

```

```

19
0
-
19 ← remainder

```

$$5569 \div 41 = 135 \text{ remainder } 34$$

```

135
41 | 5569
   41
   --
   146
   123
   ---
   239
   205
   ---
   34 ← remainder

```

$$5569 \div 43 = 129 \text{ remainder } 22$$

```

129
43 | 5569
   43
   --
   126
   86
   --
   409
   387
   ---
   22 ← remainder

```

$$5569 \div 47 = 118 \text{ remainder } 23$$

```

118
47 | 5569
   47
   --
   86
   47
   --
   399
   376

```

23 ← remainder

$$5569 \div 53 = 105 \text{ remainder } 4$$

```
      105
53 | 5569
    53
    --
    26
    0
    -
    269
    265
    ---
    4 ← remainder
```

$$5569 \div 59 = 94 \text{ remainder } 23$$

```
      94
59 | 5569
    531
    ---
    259
    236
    ---
    23 ← remainder
```

$$5569 \div 61 = 91 \text{ remainder } 18$$

```
      91
61 | 5569
    549
    ---
    79
    61
    --
    18 ← remainder
```

$$5569 \div 67 = 83 \text{ remainder } 8$$

```
      83
67 | 5569
    536
```

```

  ---
209
201
  ---
8 ← remainder

```

$$5569 \div 71 = 78 \text{ remainder } 31$$

```

    78
71 | 5569
    497
    ---
    599
    568
    ---
    31 ← remainder

```

$$5569 \div 73 = 76 \text{ remainder } 21$$

```

    76
73 | 5569
    511
    ---
    459
    438
    ---
    21 ← remainder

```

P₇₃₆ 5573

$$5573 \div 2 = 2786 \text{ remainder } 1$$

$$\begin{array}{r} 2786 \\ 2 \mid 5573 \\ 4 \\ - \\ 15 \\ 14 \\ - - \\ 17 \\ 16 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 3 = 1857 \text{ remainder } 2$$

$$\begin{array}{r} 1857 \\ 3 \mid 5573 \\ 3 \\ - \\ 25 \\ 24 \\ - - \\ 17 \\ 15 \\ - - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5573 \div 5 = 1114 \text{ remainder } 3$$

$$\begin{array}{r} 1114 \\ 5 \mid 5573 \\ 5 \\ - \end{array}$$

```

5
5
-
7
5
-
23
20
--
3 ← remainder

```

$$5573 \div 7 = 796 \text{ remainder } 1$$

```

    796
7 | 5573
   49
   --
   67
   63
   --
   43
   42
   --
   1 ← remainder

```

$$5573 \div 11 = 506 \text{ remainder } 7$$

```

    506
11 | 5573
   55
   --
    7
    0
    -
    73
    66
    --
    7 ← remainder

```

$$5573 \div 13 = 428 \text{ remainder } 9$$

```

    428
13 | 5573
   52

```



```

--
37
26
--
113
104
---
9 ← remainder

```

$$5573 \div 17 = 327 \text{ remainder } 14$$

```

      327
17 | 5573
    51
    --
    47
    34
    --
    133
    119
    ---
    14 ← remainder

```

$$5573 \div 19 = 293 \text{ remainder } 6$$

```

      293
19 | 5573
    38
    --
    177
    171
    ---
    63
    57
    --
    6 ← remainder

```

$$5573 \div 23 = 242 \text{ remainder } 7$$

```

      242
23 | 5573
    46
    --
    97

```

```

92
--
53
46
--
7 ← remainder

```

$$5573 \div 29 = 192 \text{ remainder } 5$$

```

192
29 | 5573
   29
   --
   267
   261
   ---
    63
    58
    --
    5 ← remainder

```

$$5573 \div 31 = 179 \text{ remainder } 24$$

```

179
31 | 5573
   31
   --
   247
   217
   ---
    303
    279
    ---
    24 ← remainder

```

$$5573 \div 37 = 150 \text{ remainder } 23$$

```

150
37 | 5573
   37
   --
   187
   185
   ---

```

```

23
0
-
23 ← remainder

```

$$5573 \div 41 = 135 \text{ remainder } 38$$

```

135
41 | 5573
   41
   --
   147
   123
   ---
   243
   205
   ---
   38 ← remainder

```

$$5573 \div 43 = 129 \text{ remainder } 26$$

```

129
43 | 5573
   43
   --
   127
   86
   --
   413
   387
   ---
   26 ← remainder

```

$$5573 \div 47 = 118 \text{ remainder } 27$$

```

118
47 | 5573
   47
   --
   87
   47
   --
   403
   376

```

27 ← remainder

$$5573 \div 53 = 105 \text{ remainder } 8$$

```
      105
53 | 5573
    53
    --
    27
    0
    -
    273
    265
    ---
    8 ← remainder
```

$$5573 \div 59 = 94 \text{ remainder } 27$$

```
      94
59 | 5573
    531
    ---
    263
    236
    ---
    27 ← remainder
```

$$5573 \div 61 = 91 \text{ remainder } 22$$

```
      91
61 | 5573
    549
    ---
    83
    61
    --
    22 ← remainder
```

$$5573 \div 67 = 83 \text{ remainder } 12$$

```
      83
67 | 5573
    536
```

213
201

12 ← remainder

$$5573 \div 71 = 78 \text{ remainder } 35$$

78
71 | 5573
497

603
568

35 ← remainder

$$5573 \div 73 = 76 \text{ remainder } 25$$

76
73 | 5573
511

463
438

25 ← remainder

P₇₃₇ 5581

$$5581 \div 2 = 2790 \text{ remainder } 1$$

$$\begin{array}{r} 2790 \\ 2 \mid 5581 \\ 4 \\ - \\ 15 \\ 14 \\ - - \\ 18 \\ 18 \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5581 \div 3 = 1860 \text{ remainder } 1$$

$$\begin{array}{r} 1860 \\ 3 \mid 5581 \\ 3 \\ - \\ 25 \\ 24 \\ - - \\ 18 \\ 18 \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5581 \div 5 = 1116 \text{ remainder } 1$$

$$\begin{array}{r} 1116 \\ 5 \mid 5581 \\ 5 \\ - \end{array}$$

```

5
5
-
8
5
-
31
30
--
1 ← remainder

```

$$5581 \div 7 = 797 \text{ remainder } 2$$

```

    797
7 | 5581
   49
   --
   68
   63
   --
   51
   49
   --
   2 ← remainder

```

$$5581 \div 11 = 507 \text{ remainder } 4$$

```

    507
11 | 5581
   55
   --
    8
    0
    -
    81
    77
    --
    4 ← remainder

```

$$5581 \div 13 = 429 \text{ remainder } 4$$

```

    429
13 | 5581
   52

```

```

--
38
26
--
121
117
---
4 ← remainder

```

$$5581 \div 17 = 328 \text{ remainder } 5$$

```

      328
17 | 5581
    51
    --
    48
    34
    --
    141
    136
    ---
    5 ← remainder

```

$$5581 \div 19 = 293 \text{ remainder } 14$$

```

      293
19 | 5581
    38
    --
    178
    171
    ---
    71
    57
    --
    14 ← remainder

```

$$5581 \div 23 = 242 \text{ remainder } 15$$

```

      242
23 | 5581
    46
    --
    98

```



```

92
--
61
46
--
15 ← remainder

```

$$5581 \div 29 = 192 \text{ remainder } 13$$

```

      192
29 | 5581
    29
    --
    268
    261
    ---
     71
     58
     --
    13 ← remainder

```

$$5581 \div 31 = 180 \text{ remainder } 1$$

```

      180
31 | 5581
    31
    --
    248
    248
    ---
     1
     0
     -
     1 ← remainder

```

$$5581 \div 37 = 150 \text{ remainder } 31$$

```

      150
37 | 5581
    37
    --
    188
    185
    ---

```

```

31
0
-
31 ← remainder

```

$$5581 \div 41 = 136 \text{ remainder } 5$$

```

136
41 | 5581
   41
   --
   148
   123
   ---
   251
   246
   ---
   5 ← remainder

```

$$5581 \div 43 = 129 \text{ remainder } 34$$

```

129
43 | 5581
   43
   --
   128
   86
   --
   421
   387
   ---
   34 ← remainder

```

$$5581 \div 47 = 118 \text{ remainder } 35$$

```

118
47 | 5581
   47
   --
   88
   47
   --
   411
   376

```

35 ← remainder

$$5581 \div 53 = 105 \text{ remainder } 16$$

105
53 | 5581
53
--
28
0
-
281
265

16 ← remainder

$$5581 \div 59 = 94 \text{ remainder } 35$$

94
59 | 5581
531

271
236

35 ← remainder

$$5581 \div 61 = 91 \text{ remainder } 30$$

91
61 | 5581
549

91
61
--
30 ← remainder

$$5581 \div 67 = 83 \text{ remainder } 20$$

83
67 | 5581
536

221
201

20 ← remainder

$$5581 \div 71 = 78 \text{ remainder } 43$$

78
71 | 5581
497

611
568

43 ← remainder

$$5581 \div 73 = 76 \text{ remainder } 33$$

76
73 | 5581
511

471
438

33 ← remainder

P₇₃₈ 5591

$$5591 \div 2 = 2795 \text{ remainder } 1$$

$$\begin{array}{r} 2795 \\ 2 \mid 5591 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5591 \div 3 = 1863 \text{ remainder } 2$$

$$\begin{array}{r} 1863 \\ 3 \mid 5591 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5591 \div 5 = 1118 \text{ remainder } 1$$

$$\begin{array}{r} 1118 \\ 5 \mid 5591 \\ \underline{5} \\ - \end{array}$$

```

5
5
-
9
5
-
41
40
--
1 ← remainder

```

$$5591 \div 7 = 798 \text{ remainder } 5$$

```

798
7 | 5591
  49
  --
  69
  63
  --
  61
  56
  --
  5 ← remainder

```

$$5591 \div 11 = 508 \text{ remainder } 3$$

```

508
11 | 5591
   55
   --
   9
   0
   -
   91
   88
   --
   3 ← remainder

```

$$5591 \div 13 = 430 \text{ remainder } 1$$

```

430
13 | 5591
   52

```

```

--
39
39
--
1
0
-
1 ← remainder

```

$$5591 \div 17 = 328 \text{ remainder } 15$$

```

      328
17 | 5591
    51
    --
    49
    34
    --
    151
    136
    ---
    15 ← remainder

```

$$5591 \div 19 = 294 \text{ remainder } 5$$

```

      294
19 | 5591
    38
    --
    179
    171
    ---
    81
    76
    --
    5 ← remainder

```

$$5591 \div 23 = 243 \text{ remainder } 2$$

```

      243
23 | 5591
    46
    --
    99

```

```

92
--
71
69
--
2 ← remainder

```

$$5591 \div 29 = 192 \text{ remainder } 23$$

```

192
29 | 5591
   29
   --
   269
   261
   ---
    81
    58
    --
    23 ← remainder

```

$$5591 \div 31 = 180 \text{ remainder } 11$$

```

180
31 | 5591
   31
   --
   249
   248
   ---
    11
    0
    -
    11 ← remainder

```

$$5591 \div 37 = 151 \text{ remainder } 4$$

```

151
37 | 5591
   37
   --
   189
   185
   ---

```



```

41
37
--
4 ← remainder

```

$$5591 \div 41 = 136 \text{ remainder } 15$$

```

136
41 | 5591
   41
   --
   149
   123
   ---
   261
   246
   ---
   15 ← remainder

```

$$5591 \div 43 = 130 \text{ remainder } 1$$

```

130
43 | 5591
   43
   --
   129
   129
   ---
   1
   0
   -
   1 ← remainder

```

$$5591 \div 47 = 118 \text{ remainder } 45$$

```

118
47 | 5591
   47
   --
   89
   47
   --
  421
  376

```

45 ← remainder

$$5591 \div 53 = 105 \text{ remainder } 26$$

105
53 | 5591
53
--
29
0
-
291
265

26 ← remainder

$$5591 \div 59 = 94 \text{ remainder } 45$$

94
59 | 5591
531

281
236

45 ← remainder

$$5591 \div 61 = 91 \text{ remainder } 40$$

91
61 | 5591
549

101
61
--
40 ← remainder

$$5591 \div 67 = 83 \text{ remainder } 30$$

83
67 | 5591
536

```

  ---
231
201
  ---
30 ← remainder

```

$$5591 \div 71 = 78 \text{ remainder } 53$$

```

    78
71 | 5591
    497
    ---
    621
    568
    ---
    53 ← remainder

```

$$5591 \div 73 = 76 \text{ remainder } 43$$

```

    76
73 | 5591
    511
    ---
    481
    438
    ---
    43 ← remainder

```

P₇₃₉ 5623

$$5623 \div 2 = 2811 \text{ remainder } 1$$

$$\begin{array}{r} 2811 \\ 2 \mid 5623 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5623 \div 3 = 1874 \text{ remainder } 1$$

$$\begin{array}{r} 1874 \\ 3 \mid 5623 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5623 \div 5 = 1124 \text{ remainder } 3$$

$$\begin{array}{r} 1124 \\ 5 \mid 5623 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
12
10
--
23
20
--
3 ← remainder

```

$$5623 \div 7 = 803 \text{ remainder } 2$$

```

      803
7 | 5623
   56
   --
    2
    0
    -
    23
    21
    --
    2 ← remainder

```

$$5623 \div 11 = 511 \text{ remainder } 2$$

```

      511
11 | 5623
   55
   --
    12
    11
    --
    13
    11
    --
    2 ← remainder

```

$$5623 \div 13 = 432 \text{ remainder } 7$$

```

      432
13 | 5623
   52

```

```

--
42
39
--
33
26
--
7 ← remainder

```

$$5623 \div 17 = 330 \text{ remainder } 13$$

```

      330
17 | 5623
    51
    --
    52
    51
    --
    13
    0
    -
    13 ← remainder

```

$$5623 \div 19 = 295 \text{ remainder } 18$$

```

      295
19 | 5623
    38
    --
    182
    171
    ---
    113
    95
    --
    18 ← remainder

```

$$5623 \div 23 = 244 \text{ remainder } 11$$

```

      244
23 | 5623
    46
    --
    102

```

```

92
--
103
92
--
11 ← remainder

```

$$5623 \div 29 = 193 \text{ remainder } 26$$

```

193
29 | 5623
   29
   --
   272
   261
   ---
   113
   87
   --
   26 ← remainder

```

$$5623 \div 31 = 181 \text{ remainder } 12$$

```

181
31 | 5623
   31
   --
   252
   248
   ---
   43
   31
   --
   12 ← remainder

```

$$5623 \div 37 = 151 \text{ remainder } 36$$

```

151
37 | 5623
   37
   --
   192
   185
   ---

```

```

73
37
--
36 ← remainder

```

$$5623 \div 41 = 137 \text{ remainder } 6$$

```

137
41 | 5623
   41
   --
   152
   123
   ---
   293
   287
   ---
   6 ← remainder

```

$$5623 \div 43 = 130 \text{ remainder } 33$$

```

130
43 | 5623
   43
   --
   132
   129
   ---
   33
   0
   -
   33 ← remainder

```

$$5623 \div 47 = 119 \text{ remainder } 30$$

```

119
47 | 5623
   47
   --
   92
   47
   --
   453
   423

```

30 ← remainder

$$5623 \div 53 = 106 \text{ remainder } 5$$

106
53 | 5623
53
--
32
0
-
323
318

5 ← remainder

$$5623 \div 59 = 95 \text{ remainder } 18$$

95
59 | 5623
531

313
295

18 ← remainder

$$5623 \div 61 = 92 \text{ remainder } 11$$

92
61 | 5623
549

133
122

11 ← remainder

$$5623 \div 67 = 83 \text{ remainder } 62$$

83
67 | 5623
536

263
201

62 ← remainder

$$5623 \div 71 = 79 \text{ remainder } 14$$

79
71 | 5623
497

653
639

14 ← remainder

$$5623 \div 73 = 77 \text{ remainder } 2$$

77
73 | 5623
511

513
511

2 ← remainder

P₇₄₀ 5639

$$5639 \div 2 = 2819 \text{ remainder } 1$$

$$\begin{array}{r} 2819 \\ 2 \mid 5639 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5639 \div 3 = 1879 \text{ remainder } 2$$

$$\begin{array}{r} 1879 \\ 3 \mid 5639 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5639 \div 5 = 1127 \text{ remainder } 4$$

$$\begin{array}{r} 1127 \\ 5 \mid 5639 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
13
10
--
39
35
--
4 ← remainder

```

$$5639 \div 7 = 805 \text{ remainder } 4$$

```

      805
7 | 5639
   56
   --
     3
     0
     -
     39
     35
     --
     4 ← remainder

```

$$5639 \div 11 = 512 \text{ remainder } 7$$

```

      512
11 | 5639
   55
   --
    13
    11
    --
    29
    22
    --
    7 ← remainder

```

$$5639 \div 13 = 433 \text{ remainder } 10$$

```

      433
13 | 5639
   52

```

```

--
43
39
--
49
39
--
10 ← remainder

```

$$5639 \div 17 = 331 \text{ remainder } 12$$

```

      331
17 | 5639
    51
    --
    53
    51
    --
    29
    17
    --
    12 ← remainder

```

$$5639 \div 19 = 296 \text{ remainder } 15$$

```

      296
19 | 5639
    38
    --
    183
    171
    ---
    129
    114
    ---
    15 ← remainder

```

$$5639 \div 23 = 245 \text{ remainder } 4$$

```

      245
23 | 5639
    46
    --
    103

```

```

92
--
119
115
---
4 ← remainder

```

$$5639 \div 29 = 194 \text{ remainder } 13$$

```

194
29 | 5639
   29
   --
   273
   261
   ---
   129
   116
   ---
   13 ← remainder

```

$$5639 \div 31 = 181 \text{ remainder } 28$$

```

181
31 | 5639
   31
   --
   253
   248
   ---
   59
   31
   --
   28 ← remainder

```

$$5639 \div 37 = 152 \text{ remainder } 15$$

```

152
37 | 5639
   37
   --
   193
   185
   ---

```

89
 74
 --
 15 ← remainder

$$5639 \div 41 = 137 \text{ remainder } 22$$

137
 41 | 5639
 41
 --
 153
 123

 309
 287

 22 ← remainder

$$5639 \div 43 = 131 \text{ remainder } 6$$

131
 43 | 5639
 43
 --
 133
 129

 49
 43
 --
 6 ← remainder

$$5639 \div 47 = 119 \text{ remainder } 46$$

119
 47 | 5639
 47
 --
 93
 47
 --
 469
 423

46 ← remainder

$$5639 \div 53 = 106 \text{ remainder } 21$$

106
53 | 5639
53
--
33
0
-
339
318

21 ← remainder

$$5639 \div 59 = 95 \text{ remainder } 34$$

95
59 | 5639
531

329
295

34 ← remainder

$$5639 \div 61 = 92 \text{ remainder } 27$$

92
61 | 5639
549

149
122

27 ← remainder

$$5639 \div 67 = 84 \text{ remainder } 11$$

84
67 | 5639
536

279
268

11 ← remainder

$$5639 \div 71 = 79 \text{ remainder } 30$$

79
71 | 5639
497

669
639

30 ← remainder

$$5639 \div 73 = 77 \text{ remainder } 18$$

77
73 | 5639
511

529
511

18 ← remainder

P₇₄₁ 5641

$$5641 \div 2 = 2820 \text{ remainder } 1$$

$$\begin{array}{r} 2820 \\ 2 \mid 5641 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ - - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5641 \div 3 = 1880 \text{ remainder } 1$$

$$\begin{array}{r} 1880 \\ 3 \mid 5641 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5641 \div 5 = 1128 \text{ remainder } 1$$

$$\begin{array}{r} 1128 \\ 5 \mid 5641 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
14
10
--
41
40
--
1 ← remainder

```

$$5641 \div 7 = 805 \text{ remainder } 6$$

```

      805
7 | 5641
   56
   --
    4
    0
    -
    41
    35
    --
    6 ← remainder

```

$$5641 \div 11 = 512 \text{ remainder } 9$$

```

      512
11 | 5641
   55
   --
    14
    11
    --
    31
    22
    --
    9 ← remainder

```

$$5641 \div 13 = 433 \text{ remainder } 12$$

```

      433
13 | 5641
   52

```

```

--
44
39
--
51
39
--
12 ← remainder

```

$$5641 \div 17 = 331 \text{ remainder } 14$$

```

      331
17 | 5641
    51
    --
    54
    51
    --
    31
    17
    --
    14 ← remainder

```

$$5641 \div 19 = 296 \text{ remainder } 17$$

```

      296
19 | 5641
    38
    --
    184
    171
    ---
    131
    114
    ---
    17 ← remainder

```

$$5641 \div 23 = 245 \text{ remainder } 6$$

```

      245
23 | 5641
    46
    --
    104

```

```

92
--
121
115
---
6 ← remainder

```

$$5641 \div 29 = 194 \text{ remainder } 15$$

```

194
29 | 5641
   29
   --
   274
   261
   ---
   131
   116
   ---
   15 ← remainder

```

$$5641 \div 31 = 181 \text{ remainder } 30$$

```

181
31 | 5641
   31
   --
   254
   248
   ---
   61
   31
   --
   30 ← remainder

```

$$5641 \div 37 = 152 \text{ remainder } 17$$

```

152
37 | 5641
   37
   --
   194
   185
   ---

```

91
 74
 --
 17 ← remainder

$$5641 \div 41 = 137 \text{ remainder } 24$$

137
 41 | 5641
 41
 --
 154
 123

 311
 287

 24 ← remainder

$$5641 \div 43 = 131 \text{ remainder } 8$$

131
 43 | 5641
 43
 --
 134
 129

 51
 43
 --
 8 ← remainder

$$5641 \div 47 = 120 \text{ remainder } 1$$

120
 47 | 5641
 47
 --
 94
 94
 --
 1
 0

-
1 ← remainder

$$5641 \div 53 = 106 \text{ remainder } 23$$

```
      106
53 | 5641
    53
    --
    34
    0
    -
    341
    318
    ---
    23 ← remainder
```

$$5641 \div 59 = 95 \text{ remainder } 36$$

```
      95
59 | 5641
    531
    ---
    331
    295
    ---
    36 ← remainder
```

$$5641 \div 61 = 92 \text{ remainder } 29$$

```
      92
61 | 5641
    549
    ---
    151
    122
    ---
    29 ← remainder
```

$$5641 \div 67 = 84 \text{ remainder } 13$$

```
      84
67 | 5641
    536
```

281
268

13 ← remainder

$$5641 \div 71 = 79 \text{ remainder } 32$$

79
71 | 5641
497

671
639

32 ← remainder

$$5641 \div 73 = 77 \text{ remainder } 20$$

77
73 | 5641
511

531
511

20 ← remainder

P₇₄₂ 5647

$$5647 \div 2 = 2823 \text{ remainder } 1$$

$$\begin{array}{r} 2823 \\ 2 \mid 5647 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ - - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5647 \div 3 = 1882 \text{ remainder } 1$$

$$\begin{array}{r} 1882 \\ 3 \mid 5647 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ - - \\ 24 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5647 \div 5 = 1129 \text{ remainder } 2$$

$$\begin{array}{r} 1129 \\ 5 \mid 5647 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
14
10
--
47
45
--
2 ← remainder

```

$$5647 \div 7 = 806 \text{ remainder } 5$$

```

      806
7 | 5647
   56
   --
    4
    0
    -
    47
    42
    --
    5 ← remainder

```

$$5647 \div 11 = 513 \text{ remainder } 4$$

```

      513
11 | 5647
   55
   --
    14
    11
    --
    37
    33
    --
    4 ← remainder

```

$$5647 \div 13 = 434 \text{ remainder } 5$$

```

      434
13 | 5647
   52

```

```

--
44
39
--
57
52
--
5 ← remainder

```

$$5647 \div 17 = 332 \text{ remainder } 3$$

```

      332
17 | 5647
    51
    --
    54
    51
    --
    37
    34
    --
    3 ← remainder

```

$$5647 \div 19 = 297 \text{ remainder } 4$$

```

      297
19 | 5647
    38
    --
    184
    171
    ---
    137
    133
    ---
    4 ← remainder

```

$$5647 \div 23 = 245 \text{ remainder } 12$$

```

      245
23 | 5647
    46
    --
    104

```

```

92
--
127
115
---
12 ← remainder

```

$$5647 \div 29 = 194 \text{ remainder } 21$$

```

194
29 | 5647
   29
   --
   274
   261
   ---
   137
   116
   ---
   21 ← remainder

```

$$5647 \div 31 = 182 \text{ remainder } 5$$

```

182
31 | 5647
   31
   --
   254
   248
   ---
   67
   62
   --
   5 ← remainder

```

$$5647 \div 37 = 152 \text{ remainder } 23$$

```

152
37 | 5647
   37
   --
   194
   185
   ---

```

```

97
74
--
23 ← remainder

```

$$5647 \div 41 = 137 \text{ remainder } 30$$

```

137
41 | 5647
   41
   --
   154
   123
   ---
   317
   287
   ---
   30 ← remainder

```

$$5647 \div 43 = 131 \text{ remainder } 14$$

```

131
43 | 5647
   43
   --
   134
   129
   ---
   57
   43
   --
   14 ← remainder

```

$$5647 \div 47 = 120 \text{ remainder } 7$$

```

120
47 | 5647
   47
   --
   94
   94
   --
   7
   0

```

-
7 ← remainder

$$5647 \div 53 = 106 \text{ remainder } 29$$

```
      106
53 | 5647
    53
    --
    34
    0
    -
    347
    318
    ---
    29 ← remainder
```

$$5647 \div 59 = 95 \text{ remainder } 42$$

```
      95
59 | 5647
    531
    ---
    337
    295
    ---
    42 ← remainder
```

$$5647 \div 61 = 92 \text{ remainder } 35$$

```
      92
61 | 5647
    549
    ---
    157
    122
    ---
    35 ← remainder
```

$$5647 \div 67 = 84 \text{ remainder } 19$$

```
      84
67 | 5647
    536
```

287

268

19 ← remainder

$5647 \div 71 = 79 \text{ remainder } 38$

79

71 | 5647

497

677

639

38 ← remainder

$5647 \div 73 = 77 \text{ remainder } 26$

77

73 | 5647

511

537

511

26 ← remainder

P₇₄₃ 5651

$$5651 \div 2 = 2825 \text{ remainder } 1$$

$$\begin{array}{r} 2825 \\ 2 \mid 5651 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5651 \div 3 = 1883 \text{ remainder } 2$$

$$\begin{array}{r} 1883 \\ 3 \mid 5651 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5651 \div 5 = 1130 \text{ remainder } 1$$

$$\begin{array}{r} 1130 \\ 5 \mid 5651 \\ \underline{5} \\ - \end{array}$$


```

6
5
-
15
15
--
1
0
-
1 ← remainder

```

$$5651 \div 7 = 807 \text{ remainder } 2$$

```

      807
7 | 5651
   56
   --
    5
    0
    -
   51
   49
   --
    2 ← remainder

```

$$5651 \div 11 = 513 \text{ remainder } 8$$

```

      513
11 | 5651
   55
   --
   15
   11
   --
   41
   33
   --
    8 ← remainder

```

$$5651 \div 13 = 434 \text{ remainder } 9$$

```

      434
13 | 5651
   52

```

```

--
45
39
--
61
52
--
9 ← remainder

```

$$5651 \div 17 = 332 \text{ remainder } 7$$

```

      332
17 | 5651
    51
    --
    55
    51
    --
    41
    34
    --
    7 ← remainder

```

$$5651 \div 19 = 297 \text{ remainder } 8$$

```

      297
19 | 5651
    38
    --
    185
    171
    ---
    141
    133
    ---
    8 ← remainder

```

$$5651 \div 23 = 245 \text{ remainder } 16$$

```

      245
23 | 5651
    46
    --
    105

```

```

92
--
131
115
---
16 ← remainder

```

$$5651 \div 29 = 194 \text{ remainder } 25$$

```

194
29 | 5651
   29
   --
   275
   261
   ---
   141
   116
   ---
   25 ← remainder

```

$$5651 \div 31 = 182 \text{ remainder } 9$$

```

182
31 | 5651
   31
   --
   255
   248
   ---
   71
   62
   --
   9 ← remainder

```

$$5651 \div 37 = 152 \text{ remainder } 27$$

```

152
37 | 5651
   37
   --
   195
   185
   ---

```

```

101
74
--
27 ← remainder

```

$$5651 \div 41 = 137 \text{ remainder } 34$$

```

137
41 | 5651
   41
   --
   155
   123
   ---
   321
   287
   ---
   34 ← remainder

```

$$5651 \div 43 = 131 \text{ remainder } 18$$

```

131
43 | 5651
   43
   --
   135
   129
   ---
   61
   43
   --
   18 ← remainder

```

$$5651 \div 47 = 120 \text{ remainder } 11$$

```

120
47 | 5651
   47
   --
   95
   94
   --
   11
   0

```

-
11 ← remainder

$$5651 \div 53 = 106 \text{ remainder } 33$$

```
      106
53 | 5651
    53
    --
    35
    0
    -
    351
    318
    ---
    33 ← remainder
```

$$5651 \div 59 = 95 \text{ remainder } 46$$

```
      95
59 | 5651
    531
    ---
    341
    295
    ---
    46 ← remainder
```

$$5651 \div 61 = 92 \text{ remainder } 39$$

```
      92
61 | 5651
    549
    ---
    161
    122
    ---
    39 ← remainder
```

$$5651 \div 67 = 84 \text{ remainder } 23$$

```
      84
67 | 5651
    536
```

```

  ---
291
268
  ---
23 ← remainder

```

$$5651 \div 71 = 79 \text{ remainder } 42$$

```

    79
71 | 5651
    497
    ---
    681
    639
    ---
    42 ← remainder

```

$$5651 \div 73 = 77 \text{ remainder } 30$$

```

    77
73 | 5651
    511
    ---
    541
    511
    ---
    30 ← remainder

```

P₇₄₄ 5653

$$5653 \div 2 = 2826 \text{ remainder } 1$$

$$\begin{array}{r} 2826 \\ 2 \mid 5653 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5653 \div 3 = 1884 \text{ remainder } 1$$

$$\begin{array}{r} 1884 \\ 3 \mid 5653 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5653 \div 5 = 1130 \text{ remainder } 3$$

$$\begin{array}{r} 1130 \\ 5 \mid 5653 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
15
15
--
3
0
-
3 ← remainder

```

$$5653 \div 7 = 807 \text{ remainder } 4$$

```

      807
7 | 5653
   56
   --
    5
    0
    -
   53
   49
   --
   4 ← remainder

```

$$5653 \div 11 = 513 \text{ remainder } 10$$

```

      513
11 | 5653
   55
   --
   15
   11
   --
   43
   33
   --
  10 ← remainder

```

$$5653 \div 13 = 434 \text{ remainder } 11$$

```

      434
13 | 5653
   52

```



```

--
45
39
--
63
52
--
11 ← remainder

```

$$5653 \div 17 = 332 \text{ remainder } 9$$

```

      332
17 | 5653
    51
    --
    55
    51
    --
    43
    34
    --
    9 ← remainder

```

$$5653 \div 19 = 297 \text{ remainder } 10$$

```

      297
19 | 5653
    38
    --
    185
    171
    ---
    143
    133
    ---
    10 ← remainder

```

$$5653 \div 23 = 245 \text{ remainder } 18$$

```

      245
23 | 5653
    46
    --
    105

```

```

92
--
133
115
---
18 ← remainder

```

$$5653 \div 29 = 194 \text{ remainder } 27$$

```

194
29 | 5653
   29
   --
   275
   261
   ---
   143
   116
   ---
   27 ← remainder

```

$$5653 \div 31 = 182 \text{ remainder } 11$$

```

182
31 | 5653
   31
   --
   255
   248
   ---
   73
   62
   --
   11 ← remainder

```

$$5653 \div 37 = 152 \text{ remainder } 29$$

```

152
37 | 5653
   37
   --
   195
   185
   ---

```

```

103
74
--
29 ← remainder

```

$$5653 \div 41 = 137 \text{ remainder } 36$$

```

137
41 | 5653
   41
   --
   155
   123
   ---
   323
   287
   ---
   36 ← remainder

```

$$5653 \div 43 = 131 \text{ remainder } 20$$

```

131
43 | 5653
   43
   --
   135
   129
   ---
   63
   43
   --
   20 ← remainder

```

$$5653 \div 47 = 120 \text{ remainder } 13$$

```

120
47 | 5653
   47
   --
   95
   94
   --
   13
   0

```

-
13 ← remainder

$$5653 \div 53 = 106 \text{ remainder } 35$$

```
      106
53 | 5653
    53
    --
    35
    0
    -
    353
    318
    ---
    35 ← remainder
```

$$5653 \div 59 = 95 \text{ remainder } 48$$

```
      95
59 | 5653
    531
    ---
    343
    295
    ---
    48 ← remainder
```

$$5653 \div 61 = 92 \text{ remainder } 41$$

```
      92
61 | 5653
    549
    ---
    163
    122
    ---
    41 ← remainder
```

$$5653 \div 67 = 84 \text{ remainder } 25$$

```
      84
67 | 5653
    536
```

293
268

25 ← remainder

$$5653 \div 71 = 79 \text{ remainder } 44$$

79
71 | 5653
497

683
639

44 ← remainder

$$5653 \div 73 = 77 \text{ remainder } 32$$

77
73 | 5653
511

543
511

32 ← remainder

P₇₄₅ 5657

$$5657 \div 2 = 2828 \text{ remainder } 1$$

$$\begin{array}{r} 2828 \\ 2 \mid 5657 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5657 \div 3 = 1885 \text{ remainder } 2$$

$$\begin{array}{r} 1885 \\ 3 \mid 5657 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5657 \div 5 = 1131 \text{ remainder } 2$$

$$\begin{array}{r} 1131 \\ 5 \mid 5657 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
15
15
--
7
5
-
2 ← remainder

```

$$5657 \div 7 = 808 \text{ remainder } 1$$

```

      808
7 | 5657
   56
   --
    5
    0
    -
   57
   56
   --
    1 ← remainder

```

$$5657 \div 11 = 514 \text{ remainder } 3$$

```

      514
11 | 5657
   55
   --
    15
    11
    --
    47
    44
    --
    3 ← remainder

```

$$5657 \div 13 = 435 \text{ remainder } 2$$

```

      435
13 | 5657
   52

```

```

--
45
39
--
67
65
--
2 ← remainder

```

$$5657 \div 17 = 332 \text{ remainder } 13$$

```

      332
17 | 5657
    51
    --
    55
    51
    --
    47
    34
    --
    13 ← remainder

```

$$5657 \div 19 = 297 \text{ remainder } 14$$

```

      297
19 | 5657
    38
    --
    185
    171
    ---
    147
    133
    ---
    14 ← remainder

```

$$5657 \div 23 = 245 \text{ remainder } 22$$

```

      245
23 | 5657
    46
    --
    105

```



```

92
--
137
115
---
22 ← remainder

```

$$5657 \div 29 = 195 \text{ remainder } 2$$

```

195
29 | 5657
   29
   --
   275
   261
   ---
   147
   145
   ---
   2 ← remainder

```

$$5657 \div 31 = 182 \text{ remainder } 15$$

```

182
31 | 5657
   31
   --
   255
   248
   ---
   77
   62
   --
   15 ← remainder

```

$$5657 \div 37 = 152 \text{ remainder } 33$$

```

152
37 | 5657
   37
   --
   195
   185
   ---

```

```

107
74
--
33 ← remainder

```

$$5657 \div 41 = 137 \text{ remainder } 40$$

```

137
41 | 5657
   41
   --
   155
   123
   ---
   327
   287
   ---
   40 ← remainder

```

$$5657 \div 43 = 131 \text{ remainder } 24$$

```

131
43 | 5657
   43
   --
   135
   129
   ---
   67
   43
   --
   24 ← remainder

```

$$5657 \div 47 = 120 \text{ remainder } 17$$

```

120
47 | 5657
   47
   --
   95
   94
   --
   17
   0

```

-
17 ← remainder

$$5657 \div 53 = 106 \text{ remainder } 39$$

```
      106
53 | 5657
    53
    --
    35
    0
    -
    357
    318
    ---
    39 ← remainder
```

$$5657 \div 59 = 95 \text{ remainder } 52$$

```
      95
59 | 5657
    531
    ---
    347
    295
    ---
    52 ← remainder
```

$$5657 \div 61 = 92 \text{ remainder } 45$$

```
      92
61 | 5657
    549
    ---
    167
    122
    ---
    45 ← remainder
```

$$5657 \div 67 = 84 \text{ remainder } 29$$

```
      84
67 | 5657
    536
```

```

  ---
297
268
  ---
29 ← remainder

```

$$5657 \div 71 = 79 \text{ remainder } 48$$

```

    79
71 | 5657
    497
    ---
    687
    639
    ---
    48 ← remainder

```

$$5657 \div 73 = 77 \text{ remainder } 36$$

```

    77
73 | 5657
    511
    ---
    547
    511
    ---
    36 ← remainder

```

P₇₄₆ 5659

$$5659 \div 2 = 2829 \text{ remainder } 1$$

$$\begin{array}{r} 2829 \\ 2 \mid 5659 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5659 \div 3 = 1886 \text{ remainder } 1$$

$$\begin{array}{r} 1886 \\ 3 \mid 5659 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5659 \div 5 = 1131 \text{ remainder } 4$$

$$\begin{array}{r} 1131 \\ 5 \mid 5659 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
15
15
--
9
5
-
4 ← remainder

```

$$5659 \div 7 = 808 \text{ remainder } 3$$

```

      808
7 | 5659
   56
   --
    5
    0
    -
    59
    56
    --
    3 ← remainder

```

$$5659 \div 11 = 514 \text{ remainder } 5$$

```

      514
11 | 5659
   55
   --
    15
    11
    --
    49
    44
    --
    5 ← remainder

```

$$5659 \div 13 = 435 \text{ remainder } 4$$

```

      435
13 | 5659
   52

```

```

--
45
39
--
69
65
--
4 ← remainder

```

$$5659 \div 17 = 332 \text{ remainder } 15$$

```

      332
17 | 5659
    51
    --
    55
    51
    --
    49
    34
    --
    15 ← remainder

```

$$5659 \div 19 = 297 \text{ remainder } 16$$

```

      297
19 | 5659
    38
    --
    185
    171
    ---
    149
    133
    ---
    16 ← remainder

```

$$5659 \div 23 = 246 \text{ remainder } 1$$

```

      246
23 | 5659
    46
    --
    105

```

```

92
--
139
138
---
1 ← remainder

```

$$5659 \div 29 = 195 \text{ remainder } 4$$

```

195
29 | 5659
   29
   --
   275
   261
   ---
   149
   145
   ---
   4 ← remainder

```

$$5659 \div 31 = 182 \text{ remainder } 17$$

```

182
31 | 5659
   31
   --
   255
   248
   ---
   79
   62
   --
   17 ← remainder

```

$$5659 \div 37 = 152 \text{ remainder } 35$$

```

152
37 | 5659
   37
   --
   195
   185
   ---

```



```

109
74
--
35 ← remainder

```

$$5659 \div 41 = 138 \text{ remainder } 1$$

```

138
41 | 5659
   41
   --
   155
   123
   ---
   329
   328
   ---
   1 ← remainder

```

$$5659 \div 43 = 131 \text{ remainder } 26$$

```

131
43 | 5659
   43
   --
   135
   129
   ---
   69
   43
   --
   26 ← remainder

```

$$5659 \div 47 = 120 \text{ remainder } 19$$

```

120
47 | 5659
   47
   --
   95
   94
   --
   19
   0

```

-
19 ← remainder

$$5659 \div 53 = 106 \text{ remainder } 41$$

```
      106
53 | 5659
    53
    --
    35
    0
    -
    359
    318
    ---
    41 ← remainder
```

$$5659 \div 59 = 95 \text{ remainder } 54$$

```
      95
59 | 5659
    531
    ---
    349
    295
    ---
    54 ← remainder
```

$$5659 \div 61 = 92 \text{ remainder } 47$$

```
      92
61 | 5659
    549
    ---
    169
    122
    ---
    47 ← remainder
```

$$5659 \div 67 = 84 \text{ remainder } 31$$

```
      84
67 | 5659
    536
```

299
268

31 ← remainder

$5659 \div 71 = 79 \text{ remainder } 50$

79
71 | 5659
497

689
639

50 ← remainder

$5659 \div 73 = 77 \text{ remainder } 38$

77
73 | 5659
511

549
511

38 ← remainder

P₇₄₇ 5669

$$5669 \div 2 = 2834 \text{ remainder } 1$$

$$\begin{array}{r} 2834 \\ 2 \mid 5669 \\ 4 \\ - \\ 16 \\ 16 \\ - - \\ 6 \\ 6 \\ - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5669 \div 3 = 1889 \text{ remainder } 2$$

$$\begin{array}{r} 1889 \\ 3 \mid 5669 \\ 3 \\ - \\ 26 \\ 24 \\ - - \\ 26 \\ 24 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5669 \div 5 = 1133 \text{ remainder } 4$$

$$\begin{array}{r} 1133 \\ 5 \mid 5669 \\ 5 \\ - \end{array}$$

```

6
5
-
16
15
--
19
15
--
4 ← remainder

```

$$5669 \div 7 = 809 \text{ remainder } 6$$

```

      809
7 | 5669
   56
   --
     6
     0
     -
     69
     63
     --
     6 ← remainder

```

$$5669 \div 11 = 515 \text{ remainder } 4$$

```

      515
11 | 5669
   55
   --
    16
    11
    --
    59
    55
    --
    4 ← remainder

```

$$5669 \div 13 = 436 \text{ remainder } 1$$

```

      436
13 | 5669
   52

```

```

--
46
39
--
79
78
--
1 ← remainder

```

$$5669 \div 17 = 333 \text{ remainder } 8$$

```

      333
17 | 5669
    51
    --
    56
    51
    --
    59
    51
    --
    8 ← remainder

```

$$5669 \div 19 = 298 \text{ remainder } 7$$

```

      298
19 | 5669
    38
    --
    186
    171
    ---
    159
    152
    ---
    7 ← remainder

```

$$5669 \div 23 = 246 \text{ remainder } 11$$

```

      246
23 | 5669
    46
    --
    106

```

```

92
--
149
138
---
11 ← remainder

```

$$5669 \div 29 = 195 \text{ remainder } 14$$

```

195
29 | 5669
   29
   --
   276
   261
   ---
   159
   145
   ---
   14 ← remainder

```

$$5669 \div 31 = 182 \text{ remainder } 27$$

```

182
31 | 5669
   31
   --
   256
   248
   ---
   89
   62
   --
   27 ← remainder

```

$$5669 \div 37 = 153 \text{ remainder } 8$$

```

153
37 | 5669
   37
   --
   196
   185
   ---

```

```

119
111
---
8 ← remainder

```

$$5669 \div 41 = 138 \text{ remainder } 11$$

```

138
41 | 5669
   41
   --
   156
   123
   ---
   339
   328
   ---
   11 ← remainder

```

$$5669 \div 43 = 131 \text{ remainder } 36$$

```

131
43 | 5669
   43
   --
   136
   129
   ---
   79
   43
   --
   36 ← remainder

```

$$5669 \div 47 = 120 \text{ remainder } 29$$

```

120
47 | 5669
   47
   --
   96
   94
   --
   29
   0

```


-
29 ← remainder

$$5669 \div 53 = 106 \text{ remainder } 51$$

```
      106
53 | 5669
    53
    --
    36
    0
    -
    369
    318
    ---
    51 ← remainder
```

$$5669 \div 59 = 96 \text{ remainder } 5$$

```
      96
59 | 5669
    531
    ---
    359
    354
    ---
    5 ← remainder
```

$$5669 \div 61 = 92 \text{ remainder } 57$$

```
      92
61 | 5669
    549
    ---
    179
    122
    ---
    57 ← remainder
```

$$5669 \div 67 = 84 \text{ remainder } 41$$

```
      84
67 | 5669
    536
```

309
268

41 ← remainder

$5669 \div 71 = 79 \text{ remainder } 60$

79
71 | 5669
497

699
639

60 ← remainder

$5669 \div 73 = 77 \text{ remainder } 48$

77
73 | 5669
511

559
511

48 ← remainder

P₇₄₈ 5683

$$5683 \div 2 = 2841 \text{ remainder } 1$$

$$\begin{array}{r} 2841 \\ 2 \mid 5683 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5683 \div 3 = 1894 \text{ remainder } 1$$

$$\begin{array}{r} 1894 \\ 3 \mid 5683 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5683 \div 5 = 1136 \text{ remainder } 3$$

$$\begin{array}{r} 1136 \\ 5 \mid 5683 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
18
15
--
33
30
--
3 ← remainder

```

$$5683 \div 7 = 811 \text{ remainder } 6$$

```

      811
7 | 5683
   56
   --
    8
    7
    -
   13
    7
    -
    6 ← remainder

```

$$5683 \div 11 = 516 \text{ remainder } 7$$

```

      516
11 | 5683
   55
   --
   18
   11
   --
   73
   66
   --
    7 ← remainder

```

$$5683 \div 13 = 437 \text{ remainder } 2$$

```

      437
13 | 5683
   52

```

```

--
48
39
--
93
91
--
2 ← remainder

```

$$5683 \div 17 = 334 \text{ remainder } 5$$

```

      334
17 | 5683
    51
    --
    58
    51
    --
    73
    68
    --
    5 ← remainder

```

$$5683 \div 19 = 299 \text{ remainder } 2$$

```

      299
19 | 5683
    38
    --
    188
    171
    ---
    173
    171
    ---
    2 ← remainder

```

$$5683 \div 23 = 247 \text{ remainder } 2$$

```

      247
23 | 5683
    46
    --
    108

```

```

92
--
163
161
---
2 ← remainder

```

$$5683 \div 29 = 195 \text{ remainder } 28$$

```

195
29 | 5683
   29
   --
   278
   261
   ---
   173
   145
   ---
   28 ← remainder

```

$$5683 \div 31 = 183 \text{ remainder } 10$$

```

183
31 | 5683
   31
   --
   258
   248
   ---
   103
   93
   --
   10 ← remainder

```

$$5683 \div 37 = 153 \text{ remainder } 22$$

```

153
37 | 5683
   37
   --
   198
   185
   ---

```

```

133
111
---
22 ← remainder

```

$$5683 \div 41 = 138 \text{ remainder } 25$$

```

138
41 | 5683
   41
   --
   158
   123
   ---
   353
   328
   ---
   25 ← remainder

```

$$5683 \div 43 = 132 \text{ remainder } 7$$

```

132
43 | 5683
   43
   --
   138
   129
   ---
   93
   86
   --
   7 ← remainder

```

$$5683 \div 47 = 120 \text{ remainder } 43$$

```

120
47 | 5683
   47
   --
   98
   94
   --
   43
   0

```

-
43 ← remainder

$$5683 \div 53 = 107 \text{ remainder } 12$$

```
    107
53 | 5683
    53
    --
    38
    0
    -
    383
    371
    ---
    12 ← remainder
```

$$5683 \div 59 = 96 \text{ remainder } 19$$

```
    96
59 | 5683
    531
    ---
    373
    354
    ---
    19 ← remainder
```

$$5683 \div 61 = 93 \text{ remainder } 10$$

```
    93
61 | 5683
    549
    ---
    193
    183
    ---
    10 ← remainder
```

$$5683 \div 67 = 84 \text{ remainder } 55$$

```
    84
67 | 5683
    536
```



```

  ---
  323
  268
  ---
  55 ← remainder

```

$$5683 \div 71 = 80 \text{ remainder } 3$$

```

      80
71 | 5683
    568
    ---
      3
      0
      -
      3 ← remainder

```

$$5683 \div 73 = 77 \text{ remainder } 62$$

```

      77
73 | 5683
    511
    ---
     573
     511
     ---
     62 ← remainder

```

P₇₄₉ 5689

$$5689 \div 2 = 2844 \text{ remainder } 1$$

$$\begin{array}{r} 2844 \\ 2 \mid 5689 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5689 \div 3 = 1896 \text{ remainder } 1$$

$$\begin{array}{r} 1896 \\ 3 \mid 5689 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5689 \div 5 = 1137 \text{ remainder } 4$$

$$\begin{array}{r} 1137 \\ 5 \mid 5689 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
18
15
--
39
35
--
4 ← remainder

```

$$5689 \div 7 = 812 \text{ remainder } 5$$

```

      812
7 | 5689
  56
  --
   8
   7
   -
  19
  14
  --
   5 ← remainder

```

$$5689 \div 11 = 517 \text{ remainder } 2$$

```

      517
11 | 5689
   55
   --
   18
   11
   --
   79
   77
   --
    2 ← remainder

```

$$5689 \div 13 = 437 \text{ remainder } 8$$

```

      437
13 | 5689
   52

```

```

--
48
39
--
99
91
--
8 ← remainder

```

$$5689 \div 17 = 334 \text{ remainder } 11$$

```

      334
17 | 5689
    51
    --
    58
    51
    --
    79
    68
    --
    11 ← remainder

```

$$5689 \div 19 = 299 \text{ remainder } 8$$

```

      299
19 | 5689
    38
    --
    188
    171
    ---
    179
    171
    ---
    8 ← remainder

```

$$5689 \div 23 = 247 \text{ remainder } 8$$

```

      247
23 | 5689
    46
    --
    108

```

```

92
--
169
161
---
8 ← remainder

```

$$5689 \div 29 = 196 \text{ remainder } 5$$

```

196
29 | 5689
   29
   --
   278
   261
   ---
   179
   174
   ---
   5 ← remainder

```

$$5689 \div 31 = 183 \text{ remainder } 16$$

```

183
31 | 5689
   31
   --
   258
   248
   ---
   109
   93
   --
   16 ← remainder

```

$$5689 \div 37 = 153 \text{ remainder } 28$$

```

153
37 | 5689
   37
   --
   198
   185
   ---

```

```

139
111
---
28 ← remainder

```

$$5689 \div 41 = 138 \text{ remainder } 31$$

```

138
41 | 5689
   41
   --
   158
   123
   ---
   359
   328
   ---
   31 ← remainder

```

$$5689 \div 43 = 132 \text{ remainder } 13$$

```

132
43 | 5689
   43
   --
   138
   129
   ---
   99
   86
   --
   13 ← remainder

```

$$5689 \div 47 = 121 \text{ remainder } 2$$

```

121
47 | 5689
   47
   --
   98
   94
   --
   49
   47

```

--
2 ← remainder

$$5689 \div 53 = 107 \text{ remainder } 18$$

```
      107
53 | 5689
    53
    --
    38
    0
    -
    389
    371
    ---
    18 ← remainder
```

$$5689 \div 59 = 96 \text{ remainder } 25$$

```
      96
59 | 5689
    531
    ---
    379
    354
    ---
    25 ← remainder
```

$$5689 \div 61 = 93 \text{ remainder } 16$$

```
      93
61 | 5689
    549
    ---
    199
    183
    ---
    16 ← remainder
```

$$5689 \div 67 = 84 \text{ remainder } 61$$

```
      84
67 | 5689
    536
```

329
268

61 ← remainder

$$5689 \div 71 = 80 \text{ remainder } 9$$

80
71 | 5689
568

9
0
-
9 ← remainder

$$5689 \div 73 = 77 \text{ remainder } 68$$

77
73 | 5689
511

579
511

68 ← remainder

P₇₅₀ 5693

$$5693 \div 2 = 2846 \text{ remainder } 1$$

$$\begin{array}{r} 2846 \\ 2 \mid 5693 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5693 \div 3 = 1897 \text{ remainder } 2$$

$$\begin{array}{r} 1897 \\ 3 \mid 5693 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5693 \div 5 = 1138 \text{ remainder } 3$$

$$\begin{array}{r} 1138 \\ 5 \mid 5693 \\ \underline{5} \\ - \end{array}$$

```

6
5
-
19
15
--
43
40
--
3 ← remainder

```

$$5693 \div 7 = 813 \text{ remainder } 2$$

```

      813
7 | 5693
   56
   --
     9
     7
     -
    23
    21
    --
    2 ← remainder

```

$$5693 \div 11 = 517 \text{ remainder } 6$$

```

      517
11 | 5693
   55
   --
    19
    11
    --
    83
    77
    --
    6 ← remainder

```

$$5693 \div 13 = 437 \text{ remainder } 12$$

```

      437
13 | 5693
   52

```

```

--
49
39
--
103
91
--
12 ← remainder

```

$$5693 \div 17 = 334 \text{ remainder } 15$$

```

      334
17 | 5693
    51
    --
    59
    51
    --
    83
    68
    --
    15 ← remainder

```

$$5693 \div 19 = 299 \text{ remainder } 12$$

```

      299
19 | 5693
    38
    --
    189
    171
    ---
    183
    171
    ---
    12 ← remainder

```

$$5693 \div 23 = 247 \text{ remainder } 12$$

```

      247
23 | 5693
    46
    --
    109

```

```

92
--
173
161
---
12 ← remainder

```

$$5693 \div 29 = 196 \text{ remainder } 9$$

```

196
29 | 5693
   29
   --
  279
  261
  ---
   183
   174
   ---
    9 ← remainder

```

$$5693 \div 31 = 183 \text{ remainder } 20$$

```

183
31 | 5693
   31
   --
  259
  248
  ---
   113
   93
   --
   20 ← remainder

```

$$5693 \div 37 = 153 \text{ remainder } 32$$

```

153
37 | 5693
   37
   --
  199
  185
  ---

```

```

143
111
---
32 ← remainder

```

$$5693 \div 41 = 138 \text{ remainder } 35$$

```

138
41 | 5693
   41
   --
   159
   123
   ---
   363
   328
   ---
   35 ← remainder

```

$$5693 \div 43 = 132 \text{ remainder } 17$$

```

132
43 | 5693
   43
   --
   139
   129
   ---
   103
   86
   --
   17 ← remainder

```

$$5693 \div 47 = 121 \text{ remainder } 6$$

```

121
47 | 5693
   47
   --
   99
   94
   --
   53
   47

```

--
6 ← remainder

$$5693 \div 53 = 107 \text{ remainder } 22$$

107
53 | 5693
53
--
39
0
-
393
371

22 ← remainder

$$5693 \div 59 = 96 \text{ remainder } 29$$

96
59 | 5693
531

383
354

29 ← remainder

$$5693 \div 61 = 93 \text{ remainder } 20$$

93
61 | 5693
549

203
183

20 ← remainder

$$5693 \div 67 = 84 \text{ remainder } 65$$

84
67 | 5693
536

```

  ---
333
268
  ---

```

65 ← remainder

$$5693 \div 71 = 80 \text{ remainder } 13$$

```

    80
71 | 5693
    568
    ---
    13
    0
    -

```

13 ← remainder

$$5693 \div 73 = 77 \text{ remainder } 72$$

```

    77
73 | 5693
    511
    ---
    583
    511
    ---

```

72 ← remainder

P₇₅₁ 5701

$$5701 \div 2 = 2850 \text{ remainder } 1$$

$$\begin{array}{r} 2850 \\ 2 \mid 5701 \\ \underline{4} \\ 17 \\ \underline{16} \\ 10 \\ \underline{10} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5701 \div 3 = 1900 \text{ remainder } 1$$

$$\begin{array}{r} 1900 \\ 3 \mid 5701 \\ \underline{3} \\ 27 \\ \underline{27} \\ 0 \\ \underline{0} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5701 \div 5 = 1140 \text{ remainder } 1$$

$$\begin{array}{r} 1140 \\ 5 \mid 5701 \\ \underline{5} \\ - \end{array}$$


```

7
5
-
20
20
--
1
0
-
1 ← remainder

```

$$5701 \div 7 = 814 \text{ remainder } 3$$

```

      814
7 | 5701
   56
   --
   10
    7
    -
   31
   28
   --
   3 ← remainder

```

$$5701 \div 11 = 518 \text{ remainder } 3$$

```

      518
11 | 5701
   55
   --
   20
   11
   --
   91
   88
   --
   3 ← remainder

```

$$5701 \div 13 = 438 \text{ remainder } 7$$

```

      438
13 | 5701
   52

```

```

--
50
39
--
111
104
---
7 ← remainder

```

$$5701 \div 17 = 335 \text{ remainder } 6$$

```

      335
17 | 5701
    51
    --
    60
    51
    --
    91
    85
    --
    6 ← remainder

```

$$5701 \div 19 = 300 \text{ remainder } 1$$

```

      300
19 | 5701
    57
    --
    0
    0
    -
    1
    0
    -
    1 ← remainder

```

$$5701 \div 23 = 247 \text{ remainder } 20$$

```

      247
23 | 5701
    46
    --
    110

```

```

92
--
181
161
---
20 ← remainder

```

$$5701 \div 29 = 196 \text{ remainder } 17$$

```

196
29 | 5701
   29
   --
  280
  261
  ---
   191
   174
   ---
    17 ← remainder

```

$$5701 \div 31 = 183 \text{ remainder } 28$$

```

183
31 | 5701
   31
   --
  260
  248
  ---
   121
   93
   --
    28 ← remainder

```

$$5701 \div 37 = 154 \text{ remainder } 3$$

```

154
37 | 5701
   37
   --
  200
  185
  ---

```

```

151
148
---
3 ← remainder

```

$$5701 \div 41 = 139 \text{ remainder } 2$$

```

      139
41 | 5701
    41
    --
    160
    123
    ---
    371
    369
    ---
    2 ← remainder

```

$$5701 \div 43 = 132 \text{ remainder } 25$$

```

      132
43 | 5701
    43
    --
    140
    129
    ---
    111
    86
    --
    25 ← remainder

```

$$5701 \div 47 = 121 \text{ remainder } 14$$

```

      121
47 | 5701
    47
    --
    100
    94
    --
    61
    47

```

--
14 ← remainder

$$5701 \div 53 = 107 \text{ remainder } 30$$

107
53 | 5701
53
--
40
0
-
401
371

30 ← remainder

$$5701 \div 59 = 96 \text{ remainder } 37$$

96
59 | 5701
531

391
354

37 ← remainder

$$5701 \div 61 = 93 \text{ remainder } 28$$

93
61 | 5701
549

211
183

28 ← remainder

$$5701 \div 67 = 85 \text{ remainder } 6$$

85
67 | 5701
536

```

  ---
 341
 335
  ---
 6 ← remainder

```

$$5701 \div 71 = 80 \text{ remainder } 21$$

```

      80
71 | 5701
    568
    ---
     21
     0
     -
    21 ← remainder

```

$$5701 \div 73 = 78 \text{ remainder } 7$$

```

      78
73 | 5701
    511
    ---
     591
     584
     ---
      7 ← remainder

```

P₇₅₂ 5711

$$5711 \div 2 = 2855 \text{ remainder } 1$$

$$\begin{array}{r} 2855 \\ 2 \mid 5711 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5711 \div 3 = 1903 \text{ remainder } 2$$

$$\begin{array}{r} 1903 \\ 3 \mid 5711 \\ \underline{3} \\ - \\ 27 \\ \underline{27} \\ - - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5711 \div 5 = 1142 \text{ remainder } 1$$

$$\begin{array}{r} 1142 \\ 5 \mid 5711 \\ \underline{5} \\ - \end{array}$$

```

7
5
-
21
20
--
11
10
--
1 ← remainder

```

$$5711 \div 7 = 815 \text{ remainder } 6$$

```

      815
7 | 5711
   56
   --
   11
   7
   -
   41
   35
   --
   6 ← remainder

```

$$5711 \div 11 = 519 \text{ remainder } 2$$

```

      519
11 | 5711
   55
   --
   21
   11
   --
   101
   99
   --
   2 ← remainder

```

$$5711 \div 13 = 439 \text{ remainder } 4$$

```

      439
13 | 5711
   52

```



```

--
51
39
--
121
117
---
4 ← remainder

```

$$5711 \div 17 = 335 \text{ remainder } 16$$

```

      335
17 | 5711
    51
    --
    61
    51
    --
    101
    85
    --
    16 ← remainder

```

$$5711 \div 19 = 300 \text{ remainder } 11$$

```

      300
19 | 5711
    57
    --
    1
    0
    -
    11
    0
    -
    11 ← remainder

```

$$5711 \div 23 = 248 \text{ remainder } 7$$

```

      248
23 | 5711
    46
    --
    111

```

```

92
--
191
184
---
7 ← remainder

```

$$5711 \div 29 = 196 \text{ remainder } 27$$

```

196
29 | 5711
   29
   --
   281
   261
   ---
   201
   174
   ---
   27 ← remainder

```

$$5711 \div 31 = 184 \text{ remainder } 7$$

```

184
31 | 5711
   31
   --
   261
   248
   ---
   131
   124
   ---
   7 ← remainder

```

$$5711 \div 37 = 154 \text{ remainder } 13$$

```

154
37 | 5711
   37
   --
   201
   185
   ---

```

```

161
148
---
13 ← remainder

```

$$5711 \div 41 = 139 \text{ remainder } 12$$

```

139
41 | 5711
   41
   --
   161
   123
   ---
   381
   369
   ---
   12 ← remainder

```

$$5711 \div 43 = 132 \text{ remainder } 35$$

```

132
43 | 5711
   43
   --
   141
   129
   ---
   121
   86
   --
   35 ← remainder

```

$$5711 \div 47 = 121 \text{ remainder } 24$$

```

121
47 | 5711
   47
   --
   101
   94
   --
   71
   47

```

--
24 ← remainder

$$5711 \div 53 = 107 \text{ remainder } 40$$

107
53 | 5711
53
--
41
0
-
411
371

40 ← remainder

$$5711 \div 59 = 96 \text{ remainder } 47$$

96
59 | 5711
531

401
354

47 ← remainder

$$5711 \div 61 = 93 \text{ remainder } 38$$

93
61 | 5711
549

221
183

38 ← remainder

$$5711 \div 67 = 85 \text{ remainder } 16$$

85
67 | 5711
536

351
335

16 \leftarrow remainder

$$5711 \div 71 = 80 \text{ remainder } 31$$

80
71 | 5711
568

31
0
-

31 \leftarrow remainder

$$5711 \div 73 = 78 \text{ remainder } 17$$

78
73 | 5711
511

601
584

17 \leftarrow remainder

P₇₅₃ 5717

$$5717 \div 2 = 2858 \text{ remainder } 1$$

$$\begin{array}{r} 2858 \\ 2 \mid 5717 \\ \underline{4} \\ 17 \\ \underline{16} \\ 11 \\ \underline{10} \\ 1 \\ \underline{1} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

1 ← remainder

$$5717 \div 3 = 1905 \text{ remainder } 2$$

$$\begin{array}{r} 1905 \\ 3 \mid 5717 \\ \underline{3} \\ 27 \\ \underline{27} \\ 1 \\ \underline{0} \\ 17 \\ \underline{15} \\ 2 \end{array}$$

2 ← remainder

$$5717 \div 5 = 1143 \text{ remainder } 2$$

$$\begin{array}{r} 1143 \\ 5 \mid 5717 \\ \underline{5} \\ 17 \\ \underline{15} \\ 2 \end{array}$$

```

7
5
-
21
20
--
17
15
--
2 ← remainder

```

$$5717 \div 7 = 816 \text{ remainder } 5$$

```

      816
7 | 5717
   56
   --
   11
   7
   -
   47
   42
   --
   5 ← remainder

```

$$5717 \div 11 = 519 \text{ remainder } 8$$

```

      519
11 | 5717
   55
   --
   21
   11
   --
  107
   99
   --
   8 ← remainder

```

$$5717 \div 13 = 439 \text{ remainder } 10$$

```

      439
13 | 5717
   52

```

```

--
51
39
--
127
117
---
10 ← remainder

```

$$5717 \div 17 = 336 \text{ remainder } 5$$

```

      336
17 | 5717
    51
    --
    61
    51
    --
    107
    102
    ---
    5 ← remainder

```

$$5717 \div 19 = 300 \text{ remainder } 17$$

```

      300
19 | 5717
    57
    --
    1
    0
    -
    17
    0
    -
    17 ← remainder

```

$$5717 \div 23 = 248 \text{ remainder } 13$$

```

      248
23 | 5717
    46
    --
    111

```



```

92
--
197
184
---
13 ← remainder

```

$$5717 \div 29 = 197 \text{ remainder } 4$$

```

197
29 | 5717
   29
   --
   281
   261
   ---
   207
   203
   ---
   4 ← remainder

```

$$5717 \div 31 = 184 \text{ remainder } 13$$

```

184
31 | 5717
   31
   --
   261
   248
   ---
   137
   124
   ---
   13 ← remainder

```

$$5717 \div 37 = 154 \text{ remainder } 19$$

```

154
37 | 5717
   37
   --
   201
   185
   ---

```

```

167
148
---
19 ← remainder

```

$$5717 \div 41 = 139 \text{ remainder } 18$$

```

      139
41 | 5717
    41
    --
    161
    123
    ---
    387
    369
    ---
    18 ← remainder

```

$$5717 \div 43 = 132 \text{ remainder } 41$$

```

      132
43 | 5717
    43
    --
    141
    129
    ---
    127
    86
    --
    41 ← remainder

```

$$5717 \div 47 = 121 \text{ remainder } 30$$

```

      121
47 | 5717
    47
    --
    101
    94
    --
    77
    47

```

--
30 ← remainder

$$5717 \div 53 = 107 \text{ remainder } 46$$

107
53 | 5717
53
--
41
0
-
417
371

46 ← remainder

$$5717 \div 59 = 96 \text{ remainder } 53$$

96
59 | 5717
531

407
354

53 ← remainder

$$5717 \div 61 = 93 \text{ remainder } 44$$

93
61 | 5717
549

227
183

44 ← remainder

$$5717 \div 67 = 85 \text{ remainder } 22$$

85
67 | 5717
536

```

  ---
357
335
  ---
22 ← remainder

```

$$5717 \div 71 = 80 \text{ remainder } 37$$

```

    80
71 | 5717
    568
    ---
    37
    0
    -
    37 ← remainder

```

$$5717 \div 73 = 78 \text{ remainder } 23$$

```

    78
73 | 5717
    511
    ---
    607
    584
    ---
    23 ← remainder

```

P₇₅₄ 5737

$$5737 \div 2 = 2868 \text{ remainder } 1$$

$$\begin{array}{r} 2868 \\ 2 \mid 5737 \\ 4 \\ - \\ 17 \\ 16 \\ - - \\ 13 \\ 12 \\ - - \\ 17 \\ 16 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5737 \div 3 = 1912 \text{ remainder } 1$$

$$\begin{array}{r} 1912 \\ 3 \mid 5737 \\ 3 \\ - \\ 27 \\ 27 \\ - - \\ 3 \\ 3 \\ - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5737 \div 5 = 1147 \text{ remainder } 2$$

$$\begin{array}{r} 1147 \\ 5 \mid 5737 \\ 5 \\ - \end{array}$$

```

7
5
-
23
20
--
37
35
--
2 ← remainder

```

$$5737 \div 7 = 819 \text{ remainder } 4$$

```

      819
7 | 5737
   56
   --
   13
   7
   -
   67
   63
   --
   4 ← remainder

```

$$5737 \div 11 = 521 \text{ remainder } 6$$

```

      521
11 | 5737
   55
   --
   23
   22
   --
   17
   11
   --
   6 ← remainder

```

$$5737 \div 13 = 441 \text{ remainder } 4$$

```

      441
13 | 5737
   52

```

```

--
53
52
--
17
13
--
4 ← remainder

```

$$5737 \div 17 = 337 \text{ remainder } 8$$

```

      337
17 | 5737
    51
    --
     63
     51
     --
    127
    119
    ---
     8 ← remainder

```

$$5737 \div 19 = 301 \text{ remainder } 18$$

```

      301
19 | 5737
    57
    --
     3
     0
     -
    37
    19
    --
    18 ← remainder

```

$$5737 \div 23 = 249 \text{ remainder } 10$$

```

      249
23 | 5737
    46
    --
    113

```

```

92
--
217
207
---
10 ← remainder

```

$$5737 \div 29 = 197 \text{ remainder } 24$$

```

197
29 | 5737
   29
   --
   283
   261
   ---
   227
   203
   ---
   24 ← remainder

```

$$5737 \div 31 = 185 \text{ remainder } 2$$

```

185
31 | 5737
   31
   --
   263
   248
   ---
   157
   155
   ---
   2 ← remainder

```

$$5737 \div 37 = 155 \text{ remainder } 2$$

```

155
37 | 5737
   37
   --
   203
   185
   ---

```



```

187
185
---
2 ← remainder

```

$$5737 \div 41 = 139 \text{ remainder } 38$$

```

139
41 | 5737
   41
   --
   163
   123
   ---
   407
   369
   ---
   38 ← remainder

```

$$5737 \div 43 = 133 \text{ remainder } 18$$

```

133
43 | 5737
   43
   --
   143
   129
   ---
   147
   129
   ---
   18 ← remainder

```

$$5737 \div 47 = 122 \text{ remainder } 3$$

```

122
47 | 5737
   47
   --
   103
   94
   --
   97
   94

```

--
3 ← remainder

$$5737 \div 53 = 108 \text{ remainder } 13$$

108
53 | 5737
53
--
43
0
-
437
424

13 ← remainder

$$5737 \div 59 = 97 \text{ remainder } 14$$

97
59 | 5737
531

427
413

14 ← remainder

$$5737 \div 61 = 94 \text{ remainder } 3$$

94
61 | 5737
549

247
244

3 ← remainder

$$5737 \div 67 = 85 \text{ remainder } 42$$

85
67 | 5737
536

```

  ---
 377
 335
  ---
 42 ← remainder

```

$$5737 \div 71 = 80 \text{ remainder } 57$$

```

      80
71 | 5737
    568
    ---
     57
     0
     -
     57 ← remainder

```

$$5737 \div 73 = 78 \text{ remainder } 43$$

```

      78
73 | 5737
    511
    ---
     627
     584
     ---
     43 ← remainder

```

P₇₅₅ 5741

$$5741 \div 2 = 2870 \text{ remainder } 1$$

$$\begin{array}{r} 2870 \\ 2 \mid 5741 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - \\ 14 \\ \underline{14} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5741 \div 3 = 1913 \text{ remainder } 2$$

$$\begin{array}{r} 1913 \\ 3 \mid 5741 \\ \underline{3} \\ - \\ 27 \\ \underline{27} \\ - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5741 \div 5 = 1148 \text{ remainder } 1$$

$$\begin{array}{r} 1148 \\ 5 \mid 5741 \\ \underline{5} \\ - \end{array}$$

```

7
5
-
24
20
--
41
40
--
1 ← remainder

```

$$5741 \div 7 = 820 \text{ remainder } 1$$

```

      820
7 | 5741
   56
   --
   14
   14
   --
    1
    0
    -
    1 ← remainder

```

$$5741 \div 11 = 521 \text{ remainder } 10$$

```

      521
11 | 5741
   55
   --
   24
   22
   --
   21
   11
   --
   10 ← remainder

```

$$5741 \div 13 = 441 \text{ remainder } 8$$

```

      441
13 | 5741
   52

```

```

--
54
52
--
21
13
--
8 ← remainder

```

$$5741 \div 17 = 337 \text{ remainder } 12$$

```

      337
17 | 5741
    51
    --
    64
    51
    --
    131
    119
    ---
    12 ← remainder

```

$$5741 \div 19 = 302 \text{ remainder } 3$$

```

      302
19 | 5741
    57
    --
    4
    0
    -
    41
    38
    --
    3 ← remainder

```

$$5741 \div 23 = 249 \text{ remainder } 14$$

```

      249
23 | 5741
    46
    --
    114

```

```

92
--
221
207
---
14 ← remainder

```

$$5741 \div 29 = 197 \text{ remainder } 28$$

```

197
29 | 5741
   29
   --
   284
   261
   ---
   231
   203
   ---
   28 ← remainder

```

$$5741 \div 31 = 185 \text{ remainder } 6$$

```

185
31 | 5741
   31
   --
   264
   248
   ---
   161
   155
   ---
   6 ← remainder

```

$$5741 \div 37 = 155 \text{ remainder } 6$$

```

155
37 | 5741
   37
   --
   204
   185
   ---

```

```

191
185
---
6 ← remainder

```

$$5741 \div 41 = 140 \text{ remainder } 1$$

```

      140
41 | 5741
    41
    --
    164
    164
    ---
     1
     0
     -
     1 ← remainder

```

$$5741 \div 43 = 133 \text{ remainder } 22$$

```

      133
43 | 5741
    43
    --
    144
    129
    ---
    151
    129
    ---
    22 ← remainder

```

$$5741 \div 47 = 122 \text{ remainder } 7$$

```

      122
47 | 5741
    47
    --
    104
    94
    --
    101
    94

```


--
7 ← remainder

$$5741 \div 53 = 108 \text{ remainder } 17$$

108
53 | 5741
53
--
44
0
-
441
424

17 ← remainder

$$5741 \div 59 = 97 \text{ remainder } 18$$

97
59 | 5741
531

431
413

18 ← remainder

$$5741 \div 61 = 94 \text{ remainder } 7$$

94
61 | 5741
549

251
244

7 ← remainder

$$5741 \div 67 = 85 \text{ remainder } 46$$

85
67 | 5741
536

```

  ---
 381
 335
  ---
 46 ← remainder

```

$$5741 \div 71 = 80 \text{ remainder } 61$$

```

    80
71 | 5741
    568
    ---
    61
    0
    -
    61 ← remainder

```

$$5741 \div 73 = 78 \text{ remainder } 47$$

```

    78
73 | 5741
    511
    ---
    631
    584
    ---
    47 ← remainder

```

P₇₅₆ 5743

$$5743 \div 2 = 2871 \text{ remainder } 1$$

$$\begin{array}{r} 2871 \\ 2 \mid 5743 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5743 \div 3 = 1914 \text{ remainder } 1$$

$$\begin{array}{r} 1914 \\ 3 \mid 5743 \\ \underline{3} \\ - \\ 27 \\ \underline{27} \\ - - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5743 \div 5 = 1148 \text{ remainder } 3$$

$$\begin{array}{r} 1148 \\ 5 \mid 5743 \\ \underline{5} \\ - \end{array}$$

```

7
5
-
24
20
--
43
40
--
3 ← remainder

```

$$5743 \div 7 = 820 \text{ remainder } 3$$

```

      820
7 | 5743
   56
   --
   14
   14
   --
    3
    0
    -
    3 ← remainder

```

$$5743 \div 11 = 522 \text{ remainder } 1$$

```

      522
11 | 5743
    55
    --
    24
    22
    --
    23
    22
    --
    1 ← remainder

```

$$5743 \div 13 = 441 \text{ remainder } 10$$

```

      441
13 | 5743
    52

```

```

--
54
52
--
23
13
--
10 ← remainder

```

$$5743 \div 17 = 337 \text{ remainder } 14$$

```

      337
17 | 5743
    51
    --
     64
     51
     --
     133
     119
     ---
      14 ← remainder

```

$$5743 \div 19 = 302 \text{ remainder } 5$$

```

      302
19 | 5743
    57
    --
     4
     0
     -
     43
     38
     --
      5 ← remainder

```

$$5743 \div 23 = 249 \text{ remainder } 16$$

```

      249
23 | 5743
    46
    --
     114

```

```

92
--
223
207
---
16 ← remainder

```

$$5743 \div 29 = 198 \text{ remainder } 1$$

```

198
29 | 5743
   29
   --
   284
   261
   ---
   233
   232
   ---
   1 ← remainder

```

$$5743 \div 31 = 185 \text{ remainder } 8$$

```

185
31 | 5743
   31
   --
   264
   248
   ---
   163
   155
   ---
   8 ← remainder

```

$$5743 \div 37 = 155 \text{ remainder } 8$$

```

155
37 | 5743
   37
   --
   204
   185
   ---

```

```

193
185
---
8 ← remainder

```

$$5743 \div 41 = 140 \text{ remainder } 3$$

```

      140
41 | 5743
    41
    --
    164
    164
    ---
     3
     0
     -
     3 ← remainder

```

$$5743 \div 43 = 133 \text{ remainder } 24$$

```

      133
43 | 5743
    43
    --
    144
    129
    ---
    153
    129
    ---
    24 ← remainder

```

$$5743 \div 47 = 122 \text{ remainder } 9$$

```

      122
47 | 5743
    47
    --
    104
    94
    --
    103
    94

```

--
9 ← remainder

$$5743 \div 53 = 108 \text{ remainder } 19$$

108
53 | 5743
53
--
44
0
-
443
424

19 ← remainder

$$5743 \div 59 = 97 \text{ remainder } 20$$

97
59 | 5743
531

433
413

20 ← remainder

$$5743 \div 61 = 94 \text{ remainder } 9$$

94
61 | 5743
549

253
244

9 ← remainder

$$5743 \div 67 = 85 \text{ remainder } 48$$

85
67 | 5743
536


```

  ---
383
335
  ---
48 ← remainder

```

$$5743 \div 71 = 80 \text{ remainder } 63$$

```

    80
71 | 5743
    568
    ---
    63
    0
    -
    63 ← remainder

```

$$5743 \div 73 = 78 \text{ remainder } 49$$

```

    78
73 | 5743
    511
    ---
    633
    584
    ---
    49 ← remainder

```

P₇₅₇ 5749

$$5749 \div 2 = 2874 \text{ remainder } 1$$

$$\begin{array}{r} 2874 \\ 2 \mid 5749 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5749 \div 3 = 1916 \text{ remainder } 1$$

$$\begin{array}{r} 1916 \\ 3 \mid 5749 \\ \underline{3} \\ - \\ 27 \\ \underline{27} \\ - - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5749 \div 5 = 1149 \text{ remainder } 4$$

$$\begin{array}{r} 1149 \\ 5 \mid 5749 \\ \underline{5} \\ - \end{array}$$

```

7
5
-
24
20
--
49
45
--
4 ← remainder

```

$$5749 \div 7 = 821 \text{ remainder } 2$$

```

      821
7 | 5749
   56
   --
   14
   14
   --
    9
    7
    -
    2 ← remainder

```

$$5749 \div 11 = 522 \text{ remainder } 7$$

```

      522
11 | 5749
   55
   --
   24
   22
   --
   29
   22
   --
    7 ← remainder

```

$$5749 \div 13 = 442 \text{ remainder } 3$$

```

      442
13 | 5749
   52

```

```

--
54
52
--
29
26
--
3 ← remainder

```

$$5749 \div 17 = 338 \text{ remainder } 3$$

```

      338
17 | 5749
    51
    --
     64
     51
     --
     139
     136
     ---
      3 ← remainder

```

$$5749 \div 19 = 302 \text{ remainder } 11$$

```

      302
19 | 5749
    57
    --
     4
     0
     -
     49
     38
     --
     11 ← remainder

```

$$5749 \div 23 = 249 \text{ remainder } 22$$

```

      249
23 | 5749
    46
    --
    114

```

```

92
--
229
207
---
22 ← remainder

```

$$5749 \div 29 = 198 \text{ remainder } 7$$

```

198
29 | 5749
   29
   --
   284
   261
   ---
   239
   232
   ---
   7 ← remainder

```

$$5749 \div 31 = 185 \text{ remainder } 14$$

```

185
31 | 5749
   31
   --
   264
   248
   ---
   169
   155
   ---
   14 ← remainder

```

$$5749 \div 37 = 155 \text{ remainder } 14$$

```

155
37 | 5749
   37
   --
   204
   185
   ---

```

```

199
185
---
14 ← remainder

```

$$5749 \div 41 = 140 \text{ remainder } 9$$

```

      140
41 | 5749
    41
    --
    164
    164
    ---
     9
     0
     -
     9 ← remainder

```

$$5749 \div 43 = 133 \text{ remainder } 30$$

```

      133
43 | 5749
    43
    --
    144
    129
    ---
    159
    129
    ---
    30 ← remainder

```

$$5749 \div 47 = 122 \text{ remainder } 15$$

```

      122
47 | 5749
    47
    --
    104
    94
    --
    109
    94

```

--
15 ← remainder

$$5749 \div 53 = 108 \text{ remainder } 25$$

108
53 | 5749
53
--
44
0
-
449
424

25 ← remainder

$$5749 \div 59 = 97 \text{ remainder } 26$$

97
59 | 5749
531

439
413

26 ← remainder

$$5749 \div 61 = 94 \text{ remainder } 15$$

94
61 | 5749
549

259
244

15 ← remainder

$$5749 \div 67 = 85 \text{ remainder } 54$$

85
67 | 5749
536

389
335

54 ← remainder

$$5749 \div 71 = 80 \text{ remainder } 69$$

80
71 | 5749
568

69
0
-

69 ← remainder

$$5749 \div 73 = 78 \text{ remainder } 55$$

78
73 | 5749
511

639
584

55 ← remainder

P₇₅₈ 5779

$$5779 \div 2 = 2889 \text{ remainder } 1$$

$$\begin{array}{r} 2889 \\ 2 \mid 5779 \\ 4 \\ - \\ 17 \\ 16 \\ - - \\ 17 \\ 16 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5779 \div 3 = 1926 \text{ remainder } 1$$

$$\begin{array}{r} 1926 \\ 3 \mid 5779 \\ 3 \\ - \\ 27 \\ 27 \\ - - \\ 7 \\ 6 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5779 \div 5 = 1155 \text{ remainder } 4$$

$$\begin{array}{r} 1155 \\ 5 \mid 5779 \\ 5 \\ - \end{array}$$

```

7
5
-
27
25
--
29
25
--
4 ← remainder

```

$$5779 \div 7 = 825 \text{ remainder } 4$$

```

      825
7 | 5779
   56
   --
   17
   14
   --
   39
   35
   --
   4 ← remainder

```

$$5779 \div 11 = 525 \text{ remainder } 4$$

```

      525
11 | 5779
   55
   --
   27
   22
   --
   59
   55
   --
   4 ← remainder

```

$$5779 \div 13 = 444 \text{ remainder } 7$$

```

      444
13 | 5779
   52

```

```

--
57
52
--
59
52
--
7 ← remainder

```

$$5779 \div 17 = 339 \text{ remainder } 16$$

```

      339
17 | 5779
    51
    --
    67
    51
    --
    169
    153
    ---
    16 ← remainder

```

$$5779 \div 19 = 304 \text{ remainder } 3$$

```

      304
19 | 5779
    57
    --
    7
    0
    -
    79
    76
    --
    3 ← remainder

```

$$5779 \div 23 = 251 \text{ remainder } 6$$

```

      251
23 | 5779
    46
    --
    117

```

```

115
---
29
23
--
6 ← remainder

```

$$5779 \div 29 = 199 \text{ remainder } 8$$

```

199
29 | 5779
   29
   --
   287
   261
   ---
   269
   261
   ---
   8 ← remainder

```

$$5779 \div 31 = 186 \text{ remainder } 13$$

```

186
31 | 5779
   31
   --
   267
   248
   ---
   199
   186
   ---
   13 ← remainder

```

$$5779 \div 37 = 156 \text{ remainder } 7$$

```

156
37 | 5779
   37
   --
   207
   185
   ---

```

```

229
222
---
7 ← remainder

```

$$5779 \div 41 = 140 \text{ remainder } 39$$

```

      140
41 | 5779
    41
    --
    167
    164
    ---
     39
     0
     -
     39 ← remainder

```

$$5779 \div 43 = 134 \text{ remainder } 17$$

```

      134
43 | 5779
    43
    --
    147
    129
    ---
    189
    172
    ---
     17 ← remainder

```

$$5779 \div 47 = 122 \text{ remainder } 45$$

```

      122
47 | 5779
    47
    --
    107
     94
    --
    139
     94

```

--
45 ← remainder

$$5779 \div 53 = 109 \text{ remainder } 2$$

109
53 | 5779
53
--
47
0
-
479
477

2 ← remainder

$$5779 \div 59 = 97 \text{ remainder } 56$$

97
59 | 5779
531

469
413

56 ← remainder

$$5779 \div 61 = 94 \text{ remainder } 45$$

94
61 | 5779
549

289
244

45 ← remainder

$$5779 \div 67 = 86 \text{ remainder } 17$$

86
67 | 5779
536

419
402

17 ← remainder

$$5779 \div 71 = 81 \text{ remainder } 28$$

81
71 | 5779
568

99
71
--

28 ← remainder

$$5779 \div 73 = 79 \text{ remainder } 12$$

79
73 | 5779
511

669
657

12 ← remainder

P₇₅₉ 5783

$$5783 \div 2 = 2891 \text{ remainder } 1$$

$$\begin{array}{r} 2891 \\ 2 \mid 5783 \\ 4 \\ - \\ 17 \\ 16 \\ - - \\ 18 \\ 18 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 3 = 1927 \text{ remainder } 2$$

$$\begin{array}{r} 1927 \\ 3 \mid 5783 \\ 3 \\ - \\ 27 \\ 27 \\ - - \\ 8 \\ 6 \\ - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5783 \div 5 = 1156 \text{ remainder } 3$$

$$\begin{array}{r} 1156 \\ 5 \mid 5783 \\ 5 \\ - \end{array}$$


```

7
5
-
28
25
--
33
30
--
3 ← remainder

```

$$5783 \div 7 = 826 \text{ remainder } 1$$

```

      826
7 | 5783
   56
   --
   18
   14
   --
   43
   42
   --
   1 ← remainder

```

$$5783 \div 11 = 525 \text{ remainder } 8$$

```

      525
11 | 5783
   55
   --
   28
   22
   --
   63
   55
   --
   8 ← remainder

```

$$5783 \div 13 = 444 \text{ remainder } 11$$

```

      444
13 | 5783
   52

```

```

--
58
52
--
63
52
--
11 ← remainder

```

$$5783 \div 17 = 340 \text{ remainder } 3$$

```

      340
17 | 5783
    51
    --
    68
    68
    --
    3
    0
    -
    3 ← remainder

```

$$5783 \div 19 = 304 \text{ remainder } 7$$

```

      304
19 | 5783
    57
    --
    8
    0
    -
    83
    76
    --
    7 ← remainder

```

$$5783 \div 23 = 251 \text{ remainder } 10$$

```

      251
23 | 5783
    46
    --
    118

```

```

115
---
33
23
--
10 ← remainder

```

$$5783 \div 29 = 199 \text{ remainder } 12$$

```

199
29 | 5783
   29
   --
   288
   261
   ---
   273
   261
   ---
   12 ← remainder

```

$$5783 \div 31 = 186 \text{ remainder } 17$$

```

186
31 | 5783
   31
   --
   268
   248
   ---
   203
   186
   ---
   17 ← remainder

```

$$5783 \div 37 = 156 \text{ remainder } 11$$

```

156
37 | 5783
   37
   --
   208
   185
   ---

```

```

233
222
---
11 ← remainder

```

$$5783 \div 41 = 141 \text{ remainder } 2$$

```

141
41 | 5783
   41
   --
   168
   164
   ---
    43
    41
    --
    2 ← remainder

```

$$5783 \div 43 = 134 \text{ remainder } 21$$

```

134
43 | 5783
   43
   --
   148
   129
   ---
    193
    172
    ---
    21 ← remainder

```

$$5783 \div 47 = 123 \text{ remainder } 2$$

```

123
47 | 5783
   47
   --
   108
   94
   --
   143
   141

```

2 ← remainder

$$5783 \div 53 = 109 \text{ remainder } 6$$

```
      109
53 | 5783
    53
    --
    48
    0
    -
    483
    477
    ---
    6 ← remainder
```

$$5783 \div 59 = 98 \text{ remainder } 1$$

```
      98
59 | 5783
    531
    ---
    473
    472
    ---
    1 ← remainder
```

$$5783 \div 61 = 94 \text{ remainder } 49$$

```
      94
61 | 5783
    549
    ---
    293
    244
    ---
    49 ← remainder
```

$$5783 \div 67 = 86 \text{ remainder } 21$$

```
      86
67 | 5783
    536
```

```

  ---
423
402
  ---
21 ← remainder

```

$$5783 \div 71 = 81 \text{ remainder } 32$$

```

    81
71 | 5783
    568
    ---
    103
    71
    --
    32 ← remainder

```

$$5783 \div 73 = 79 \text{ remainder } 16$$

```

    79
73 | 5783
    511
    ---
    673
    657
    ---
    16 ← remainder

```

P₇₆₀ 5791

$$5791 \div 2 = 2895 \text{ remainder } 1$$

$$\begin{array}{r} 2895 \\ 2 \mid 5791 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5791 \div 3 = 1930 \text{ remainder } 1$$

$$\begin{array}{r} 1930 \\ 3 \mid 5791 \\ \underline{3} \\ - \\ 27 \\ \underline{27} \\ - - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5791 \div 5 = 1158 \text{ remainder } 1$$

$$\begin{array}{r} 1158 \\ 5 \mid 5791 \\ \underline{5} \\ - \end{array}$$

```

7
5
-
29
25
--
41
40
--
1 ← remainder

```

$$5791 \div 7 = 827 \text{ remainder } 2$$

```

      827
7 | 5791
  56
  --
   19
   14
   --
   51
   49
   --
   2 ← remainder

```

$$5791 \div 11 = 526 \text{ remainder } 5$$

```

      526
11 | 5791
   55
   --
   29
   22
   --
   71
   66
   --
   5 ← remainder

```

$$5791 \div 13 = 445 \text{ remainder } 6$$

```

      445
13 | 5791
   52

```



```

--
59
52
--
71
65
--
6 ← remainder

```

$$5791 \div 17 = 340 \text{ remainder } 11$$

```

      340
17 | 5791
    51
    --
    69
    68
    --
    11
    0
    -
    11 ← remainder

```

$$5791 \div 19 = 304 \text{ remainder } 15$$

```

      304
19 | 5791
    57
    --
    9
    0
    -
    91
    76
    --
    15 ← remainder

```

$$5791 \div 23 = 251 \text{ remainder } 18$$

```

      251
23 | 5791
    46
    --
    119

```

```

115
---
41
23
--
18 ← remainder

```

$$5791 \div 29 = 199 \text{ remainder } 20$$

```

199
29 | 5791
   29
   --
   289
   261
   ---
   281
   261
   ---
   20 ← remainder

```

$$5791 \div 31 = 186 \text{ remainder } 25$$

```

186
31 | 5791
   31
   --
   269
   248
   ---
   211
   186
   ---
   25 ← remainder

```

$$5791 \div 37 = 156 \text{ remainder } 19$$

```

156
37 | 5791
   37
   --
   209
   185
   ---

```

```

241
222
---
19 ← remainder

```

$$5791 \div 41 = 141 \text{ remainder } 10$$

```

141
41 | 5791
   41
   --
   169
   164
   ---
    51
    41
    --
    10 ← remainder

```

$$5791 \div 43 = 134 \text{ remainder } 29$$

```

134
43 | 5791
   43
   --
   149
   129
   ---
   201
   172
   ---
   29 ← remainder

```

$$5791 \div 47 = 123 \text{ remainder } 10$$

```

123
47 | 5791
   47
   --
   109
   94
   --
   151
   141

```

10 ← remainder

$$5791 \div 53 = 109 \text{ remainder } 14$$

$$\begin{array}{r} 109 \\ 53 \overline{) 5791} \\ \underline{53} \\ 49 \\ \underline{0} \\ 491 \\ \underline{477} \\ 14 \end{array}$$

--

49

0

-

491

477

14 ← remainder

$$5791 \div 59 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5791} \\ \underline{531} \\ 481 \\ \underline{472} \\ 9 \end{array}$$

481

472

9 ← remainder

$$5791 \div 61 = 94 \text{ remainder } 57$$

$$\begin{array}{r} 94 \\ 61 \overline{) 5791} \\ \underline{549} \\ 301 \\ \underline{244} \\ 57 \end{array}$$

301

244

57 ← remainder

$$5791 \div 67 = 86 \text{ remainder } 29$$

$$\begin{array}{r} 86 \\ 67 \overline{) 5791} \\ \underline{536} \\ 29 \end{array}$$

86

536

```

  ---
431
402
  ---
29 ← remainder

```

$$5791 \div 71 = 81 \text{ remainder } 40$$

```

    81
71 | 5791
    568
    ---
    111
    71
    --
    40 ← remainder

```

$$5791 \div 73 = 79 \text{ remainder } 24$$

```

    79
73 | 5791
    511
    ---
    681
    657
    ---
    24 ← remainder

```

P₇₆₁ 5801

$$5801 \div 2 = 2900 \text{ remainder } 1$$

$$\begin{array}{r} 2900 \\ 2 \mid 5801 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ - - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5801 \div 3 = 1933 \text{ remainder } 2$$

$$\begin{array}{r} 1933 \\ 3 \mid 5801 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ - - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5801 \div 5 = 1160 \text{ remainder } 1$$

$$\begin{array}{r} 1160 \\ 5 \mid 5801 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
30
30
--
1
0
-
1 ← remainder

```

$$5801 \div 7 = 828 \text{ remainder } 5$$

```

      828
7 | 5801
   56
   --
   20
   14
   --
   61
   56
   --
   5 ← remainder

```

$$5801 \div 11 = 527 \text{ remainder } 4$$

```

      527
11 | 5801
   55
   --
   30
   22
   --
   81
   77
   --
   4 ← remainder

```

$$5801 \div 13 = 446 \text{ remainder } 3$$

```

      446
13 | 5801
   52

```

```

--
60
52
--
81
78
--
3 ← remainder

```

$$5801 \div 17 = 341 \text{ remainder } 4$$

```

      341
17 | 5801
    51
    --
    70
    68
    --
    21
    17
    --
    4 ← remainder

```

$$5801 \div 19 = 305 \text{ remainder } 6$$

```

      305
19 | 5801
    57
    --
    10
    0
    -
    101
    95
    --
    6 ← remainder

```

$$5801 \div 23 = 252 \text{ remainder } 5$$

```

      252
23 | 5801
    46
    --
    120

```



```

115
---
51
46
--
5 ← remainder

```

$$5801 \div 29 = 200 \text{ remainder } 1$$

```

      200
29 | 5801
    58
    --
     0
     0
     -
     1
     0
     -
     1 ← remainder

```

$$5801 \div 31 = 187 \text{ remainder } 4$$

```

      187
31 | 5801
    31
    --
    270
    248
    ---
    221
    217
    ---
     4 ← remainder

```

$$5801 \div 37 = 156 \text{ remainder } 29$$

```

      156
37 | 5801
    37
    --
    210
    185
    ---

```

```

251
222
---
29 ← remainder

```

$$5801 \div 41 = 141 \text{ remainder } 20$$

```

      141
41 | 5801
    41
    --
    170
    164
    ---
     61
     41
     --
     20 ← remainder

```

$$5801 \div 43 = 134 \text{ remainder } 39$$

```

      134
43 | 5801
    43
    --
    150
    129
    ---
    211
    172
    ---
     39 ← remainder

```

$$5801 \div 47 = 123 \text{ remainder } 20$$

```

      123
47 | 5801
    47
    --
    110
     94
    --
    161
    141

```

20 ← remainder

$$5801 \div 53 = 109 \text{ remainder } 24$$

109
53 | 5801
53
--
50
0
-
501
477

24 ← remainder

$$5801 \div 59 = 98 \text{ remainder } 19$$

98
59 | 5801
531

491
472

19 ← remainder

$$5801 \div 61 = 95 \text{ remainder } 6$$

95
61 | 5801
549

311
305

6 ← remainder

$$5801 \div 67 = 86 \text{ remainder } 39$$

86
67 | 5801
536

```

  ---
441
402
  ---
39 ← remainder

```

$5801 \div 71 = 81 \text{ remainder } 50$

```

    81
71 | 5801
    568
    ---
    121
    71
    --
    50 ← remainder

```

$5801 \div 73 = 79 \text{ remainder } 34$

```

    79
73 | 5801
    511
    ---
    691
    657
    ---
    34 ← remainder

```

P₇₆₂ 5807

$$5807 \div 2 = 2903 \text{ remainder } 1$$

$$\begin{array}{r} 2903 \\ 2 \mid 5807 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ - - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5807 \div 3 = 1935 \text{ remainder } 2$$

$$\begin{array}{r} 1935 \\ 3 \mid 5807 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ - - \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5807 \div 5 = 1161 \text{ remainder } 2$$

$$\begin{array}{r} 1161 \\ 5 \mid 5807 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
30
30
--
7
5
-
2 ← remainder

```

$$5807 \div 7 = 829 \text{ remainder } 4$$

```

      829
7 | 5807
   56
   --
   20
   14
   --
   67
   63
   --
   4 ← remainder

```

$$5807 \div 11 = 527 \text{ remainder } 10$$

```

      527
11 | 5807
   55
   --
   30
   22
   --
   87
   77
   --
  10 ← remainder

```

$$5807 \div 13 = 446 \text{ remainder } 9$$

```

      446
13 | 5807
   52

```

```

--
60
52
--
87
78
--
9 ← remainder

```

$$5807 \div 17 = 341 \text{ remainder } 10$$

```

      341
17 | 5807
    51
    --
    70
    68
    --
    27
    17
    --
    10 ← remainder

```

$$5807 \div 19 = 305 \text{ remainder } 12$$

```

      305
19 | 5807
    57
    --
    10
    0
    -
    107
    95
    --
    12 ← remainder

```

$$5807 \div 23 = 252 \text{ remainder } 11$$

```

      252
23 | 5807
    46
    --
    120

```

```

115
---
57
46
--
11 ← remainder

```

$$5807 \div 29 = 200 \text{ remainder } 7$$

```

      200
29 | 5807
    58
    --
     0
     0
     -
     7
     0
     -
     7 ← remainder

```

$$5807 \div 31 = 187 \text{ remainder } 10$$

```

      187
31 | 5807
    31
    --
    270
    248
    ---
    227
    217
    ---
    10 ← remainder

```

$$5807 \div 37 = 156 \text{ remainder } 35$$

```

      156
37 | 5807
    37
    --
    210
    185
    ---

```



```

257
222
---
35 ← remainder

```

$$5807 \div 41 = 141 \text{ remainder } 26$$

```

      141
41 | 5807
    41
    --
    170
    164
    ---
     67
     41
     --
     26 ← remainder

```

$$5807 \div 43 = 135 \text{ remainder } 2$$

```

      135
43 | 5807
    43
    --
    150
    129
    ---
    217
    215
    ---
     2 ← remainder

```

$$5807 \div 47 = 123 \text{ remainder } 26$$

```

      123
47 | 5807
    47
    --
    110
     94
    --
    167
    141

```

26 ← remainder

$$5807 \div 53 = 109 \text{ remainder } 30$$

109
53 | 5807
53
--
50
0
-
507
477

30 ← remainder

$$5807 \div 59 = 98 \text{ remainder } 25$$

98
59 | 5807
531

497
472

25 ← remainder

$$5807 \div 61 = 95 \text{ remainder } 12$$

95
61 | 5807
549

317
305

12 ← remainder

$$5807 \div 67 = 86 \text{ remainder } 45$$

86
67 | 5807
536

```

  ---
447
402
  ---
45 ← remainder

```

$5807 \div 71 = 81 \text{ remainder } 56$

```

    81
71 | 5807
    568
    ---
    127
    71
    --
    56 ← remainder

```

$5807 \div 73 = 79 \text{ remainder } 40$

```

    79
73 | 5807
    511
    ---
    697
    657
    ---
    40 ← remainder

```

P₇₆₃ 5813

$$5813 \div 2 = 2906 \text{ remainder } 1$$

$$\begin{array}{r} 2906 \\ 2 \mid 5813 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5813 \div 3 = 1937 \text{ remainder } 2$$

$$\begin{array}{r} 1937 \\ 3 \mid 5813 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ - - \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5813 \div 5 = 1162 \text{ remainder } 3$$

$$\begin{array}{r} 1162 \\ 5 \mid 5813 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
31
30
--
13
10
--
3 ← remainder

```

$$5813 \div 7 = 830 \text{ remainder } 3$$

```

      830
7 | 5813
   56
   --
   21
   21
   --
    3
    0
    -
    3 ← remainder

```

$$5813 \div 11 = 528 \text{ remainder } 5$$

```

      528
11 | 5813
   55
   --
   31
   22
   --
   93
   88
   --
   5 ← remainder

```

$$5813 \div 13 = 447 \text{ remainder } 2$$

```

      447
13 | 5813
   52

```

```

--
61
52
--
93
91
--
2 ← remainder

```

$$5813 \div 17 = 341 \text{ remainder } 16$$

```

      341
17 | 5813
    51
    --
    71
    68
    --
    33
    17
    --
    16 ← remainder

```

$$5813 \div 19 = 305 \text{ remainder } 18$$

```

      305
19 | 5813
    57
    --
    11
    0
    -
    113
    95
    --
    18 ← remainder

```

$$5813 \div 23 = 252 \text{ remainder } 17$$

```

      252
23 | 5813
    46
    --
    121

```

```

115
---
63
46
--
17 ← remainder

```

$$5813 \div 29 = 200 \text{ remainder } 13$$

```

      200
29 | 5813
    58
    --
     1
     0
     -
     13
     0
     -
     13 ← remainder

```

$$5813 \div 31 = 187 \text{ remainder } 16$$

```

      187
31 | 5813
    31
    --
    271
    248
    ---
    233
    217
    ---
    16 ← remainder

```

$$5813 \div 37 = 157 \text{ remainder } 4$$

```

      157
37 | 5813
    37
    --
    211
    185
    ---

```

```

263
259
---
4 ← remainder

```

$$5813 \div 41 = 141 \text{ remainder } 32$$

```

      141
41 | 5813
    41
    --
    171
    164
    ---
     73
     41
     --
     32 ← remainder

```

$$5813 \div 43 = 135 \text{ remainder } 8$$

```

      135
43 | 5813
    43
    --
    151
    129
    ---
    223
    215
    ---
     8 ← remainder

```

$$5813 \div 47 = 123 \text{ remainder } 32$$

```

      123
47 | 5813
    47
    --
    111
    94
    --
    173
    141

```

32 ← remainder

$$5813 \div 53 = 109 \text{ remainder } 36$$

```
      109
53 | 5813
    53
    --
    51
    0
    -
    513
    477
    ---
    36 ← remainder
```

$$5813 \div 59 = 98 \text{ remainder } 31$$

```
      98
59 | 5813
    531
    ---
    503
    472
    ---
    31 ← remainder
```

$$5813 \div 61 = 95 \text{ remainder } 18$$

```
      95
61 | 5813
    549
    ---
    323
    305
    ---
    18 ← remainder
```

$$5813 \div 67 = 86 \text{ remainder } 51$$

```
      86
67 | 5813
    536
```

453

402

51 \leftarrow remainder

$5813 \div 71 = 81$ remainder 62

81

71 | 5813

568

133

71

--

62 \leftarrow remainder

$5813 \div 73 = 79$ remainder 46

79

73 | 5813

511

703

657

46 \leftarrow remainder

P₇₆₄ 5821

$$5821 \div 2 = 2910 \text{ remainder } 1$$

$$\begin{array}{r} 2910 \\ 2 \mid 5821 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5821 \div 3 = 1940 \text{ remainder } 1$$

$$\begin{array}{r} 1940 \\ 3 \mid 5821 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5821 \div 5 = 1164 \text{ remainder } 1$$

$$\begin{array}{r} 1164 \\ 5 \mid 5821 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
32
30
--
21
20
--
1 ← remainder

```

$$5821 \div 7 = 831 \text{ remainder } 4$$

```

      831
7 | 5821
   56
   --
   22
   21
   --
   11
   7
   -
   4 ← remainder

```

$$5821 \div 11 = 529 \text{ remainder } 2$$

```

      529
11 | 5821
   55
   --
   32
   22
   --
   101
   99
   --
   2 ← remainder

```

$$5821 \div 13 = 447 \text{ remainder } 10$$

```

      447
13 | 5821
   52

```

```

--
62
52
--
101
91
--
10 ← remainder

```

$$5821 \div 17 = 342 \text{ remainder } 7$$

```

      342
17 | 5821
    51
    --
    72
    68
    --
    41
    34
    --
    7 ← remainder

```

$$5821 \div 19 = 306 \text{ remainder } 7$$

```

      306
19 | 5821
    57
    --
    12
    0
    -
    121
    114
    ---
    7 ← remainder

```

$$5821 \div 23 = 253 \text{ remainder } 2$$

```

      253
23 | 5821
    46
    --
    122

```

```

115
---
71
69
--
2 ← remainder

```

$$5821 \div 29 = 200 \text{ remainder } 21$$

```

      200
29 | 5821
    58
    --
     2
     0
     -
     21
     0
     -
     21 ← remainder

```

$$5821 \div 31 = 187 \text{ remainder } 24$$

```

      187
31 | 5821
    31
    --
    272
    248
    ---
    241
    217
    ---
    24 ← remainder

```

$$5821 \div 37 = 157 \text{ remainder } 12$$

```

      157
37 | 5821
    37
    --
    212
    185
    ---

```

```

271
259
---
12 ← remainder

```

$$5821 \div 41 = 141 \text{ remainder } 40$$

```

      141
41 | 5821
    41
    --
    172
    164
    ---
     81
     41
     --
    40 ← remainder

```

$$5821 \div 43 = 135 \text{ remainder } 16$$

```

      135
43 | 5821
    43
    --
    152
    129
    ---
    231
    215
    ---
    16 ← remainder

```

$$5821 \div 47 = 123 \text{ remainder } 40$$

```

      123
47 | 5821
    47
    --
    112
    94
    --
    181
    141

```

40 ← remainder

$$5821 \div 53 = 109 \text{ remainder } 44$$

109
53 | 5821
53
--
52
0
-
521
477

44 ← remainder

$$5821 \div 59 = 98 \text{ remainder } 39$$

98
59 | 5821
531

511
472

39 ← remainder

$$5821 \div 61 = 95 \text{ remainder } 26$$

95
61 | 5821
549

331
305

26 ← remainder

$$5821 \div 67 = 86 \text{ remainder } 59$$

86
67 | 5821
536


```

  ---
461
402
  ---
59 ← remainder

```

$5821 \div 71 = 81 \text{ remainder } 70$

```

    81
71 | 5821
    568
    ---
    141
    71
    --
    70 ← remainder

```

$5821 \div 73 = 79 \text{ remainder } 54$

```

    79
73 | 5821
    511
    ---
    711
    657
    ---
    54 ← remainder

```

P₇₆₅ 5827

$$5827 \div 2 = 2913 \text{ remainder } 1$$

$$\begin{array}{r} 2913 \\ 2 \mid 5827 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5827 \div 3 = 1942 \text{ remainder } 1$$

$$\begin{array}{r} 1942 \\ 3 \mid 5827 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5827 \div 5 = 1165 \text{ remainder } 2$$

$$\begin{array}{r} 1165 \\ 5 \mid 5827 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
32
30
--
27
25
--
2 ← remainder

```

$$5827 \div 7 = 832 \text{ remainder } 3$$

```

      832
7 | 5827
   56
   --
   22
   21
   --
   17
   14
   --
   3 ← remainder

```

$$5827 \div 11 = 529 \text{ remainder } 8$$

```

      529
11 | 5827
   55
   --
   32
   22
   --
  107
   99
   --
   8 ← remainder

```

$$5827 \div 13 = 448 \text{ remainder } 3$$

```

      448
13 | 5827
   52

```

```

--
62
52
--
107
104
---
3 ← remainder

```

$$5827 \div 17 = 342 \text{ remainder } 13$$

```

      342
17 | 5827
    51
    --
     72
     68
     --
     47
     34
     --
     13 ← remainder

```

$$5827 \div 19 = 306 \text{ remainder } 13$$

```

      306
19 | 5827
    57
    --
     12
     0
     -
     127
     114
     ---
     13 ← remainder

```

$$5827 \div 23 = 253 \text{ remainder } 8$$

```

      253
23 | 5827
    46
    --
    122

```

```

115
---
77
69
--
8 ← remainder

```

$$5827 \div 29 = 200 \text{ remainder } 27$$

```

      200
29 | 5827
    58
    --
     2
     0
     -
     27
     0
     -
     27 ← remainder

```

$$5827 \div 31 = 187 \text{ remainder } 30$$

```

      187
31 | 5827
    31
    --
    272
    248
    ---
    247
    217
    ---
    30 ← remainder

```

$$5827 \div 37 = 157 \text{ remainder } 18$$

```

      157
37 | 5827
    37
    --
    212
    185
    ---

```

```

277
259
---
18 ← remainder

```

$$5827 \div 41 = 142 \text{ remainder } 5$$

```

      142
41 | 5827
    41
    --
    172
    164
    ---
     87
     82
     --
      5 ← remainder

```

$$5827 \div 43 = 135 \text{ remainder } 22$$

```

      135
43 | 5827
    43
    --
    152
    129
    ---
    237
    215
    ---
     22 ← remainder

```

$$5827 \div 47 = 123 \text{ remainder } 46$$

```

      123
47 | 5827
    47
    --
    112
     94
    --
    187
    141

```

46 ← remainder

$$5827 \div 53 = 109 \text{ remainder } 50$$

109
53 | 5827
53
--
52
0
-
527
477

50 ← remainder

$$5827 \div 59 = 98 \text{ remainder } 45$$

98
59 | 5827
531

517
472

45 ← remainder

$$5827 \div 61 = 95 \text{ remainder } 32$$

95
61 | 5827
549

337
305

32 ← remainder

$$5827 \div 67 = 86 \text{ remainder } 65$$

86
67 | 5827
536

467
402

65 ← remainder

$$5827 \div 71 = 82 \text{ remainder } 5$$

82
71 | 5827
568

147
142

5 ← remainder

$$5827 \div 73 = 79 \text{ remainder } 60$$

79
73 | 5827
511

717
657

60 ← remainder

P₇₆₆ 5839

$$5839 \div 2 = 2919 \text{ remainder } 1$$

$$\begin{array}{r} 2919 \\ 2 \mid 5839 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5839 \div 3 = 1946 \text{ remainder } 1$$

$$\begin{array}{r} 1946 \\ 3 \mid 5839 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5839 \div 5 = 1167 \text{ remainder } 4$$

$$\begin{array}{r} 1167 \\ 5 \mid 5839 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
33
30
--
39
35
--
4 ← remainder

```

$$5839 \div 7 = 834 \text{ remainder } 1$$

```

      834
7 | 5839
   56
   --
   23
   21
   --
   29
   28
   --
   1 ← remainder

```

$$5839 \div 11 = 530 \text{ remainder } 9$$

```

      530
11 | 5839
   55
   --
   33
   33
   --
   9
   0
   -
   9 ← remainder

```

$$5839 \div 13 = 449 \text{ remainder } 2$$

```

      449
13 | 5839
   52

```

```

--
63
52
--
119
117
---
2 ← remainder

```

$$5839 \div 17 = 343 \text{ remainder } 8$$

```

      343
17 | 5839
    51
    --
    73
    68
    --
    59
    51
    --
    8 ← remainder

```

$$5839 \div 19 = 307 \text{ remainder } 6$$

```

      307
19 | 5839
    57
    --
    13
    0
    -
    139
    133
    ---
    6 ← remainder

```

$$5839 \div 23 = 253 \text{ remainder } 20$$

```

      253
23 | 5839
    46
    --
    123

```

```

115
---
89
69
--
20 ← remainder

```

$$5839 \div 29 = 201 \text{ remainder } 10$$

```

      201
29 | 5839
    58
    --
     3
     0
     -
     39
     29
     --
     10 ← remainder

```

$$5839 \div 31 = 188 \text{ remainder } 11$$

```

      188
31 | 5839
    31
    --
    273
    248
    ---
    259
    248
    ---
    11 ← remainder

```

$$5839 \div 37 = 157 \text{ remainder } 30$$

```

      157
37 | 5839
    37
    --
    213
    185
    ---

```

```

289
259
---
30 ← remainder

```

$$5839 \div 41 = 142 \text{ remainder } 17$$

```

142
41 | 5839
   41
   --
   173
   164
   ---
    99
    82
    --
    17 ← remainder

```

$$5839 \div 43 = 135 \text{ remainder } 34$$

```

135
43 | 5839
   43
   --
   153
   129
   ---
   249
   215
   ---
   34 ← remainder

```

$$5839 \div 47 = 124 \text{ remainder } 11$$

```

124
47 | 5839
   47
   --
   113
   94
   --
   199
   188

```

11 ← remainder

$$5839 \div 53 = 110 \text{ remainder } 9$$

$$\begin{array}{r} 110 \\ 53 \overline{) 5839} \\ \underline{53} \\ -- \\ 53 \\ \underline{53} \\ -- \\ 9 \\ \underline{0} \\ - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$5839 \div 59 = 98 \text{ remainder } 57$$

$$\begin{array}{r} 98 \\ 59 \overline{) 5839} \\ \underline{531} \\ --- \\ 529 \\ \underline{472} \\ --- \\ 57 \leftarrow \text{remainder} \end{array}$$

$$5839 \div 61 = 95 \text{ remainder } 44$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5839} \\ \underline{549} \\ --- \\ 349 \\ \underline{305} \\ --- \\ 44 \leftarrow \text{remainder} \end{array}$$

$$5839 \div 67 = 87 \text{ remainder } 10$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5839} \\ \underline{536} \end{array}$$

479
469

10 ← remainder

$$5839 \div 71 = 82 \text{ remainder } 17$$

82
71 | 5839
568

159
142

17 ← remainder

$$5839 \div 73 = 79 \text{ remainder } 72$$

79
73 | 5839
511

729
657

72 ← remainder

P₇₆₇ 5843

$$5843 \div 2 = 2921 \text{ remainder } 1$$

$$\begin{array}{r} 2921 \\ 2 \mid 5843 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5843 \div 3 = 1947 \text{ remainder } 2$$

$$\begin{array}{r} 1947 \\ 3 \mid 5843 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 14 \\ \underline{12} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5843 \div 5 = 1168 \text{ remainder } 3$$

$$\begin{array}{r} 1168 \\ 5 \mid 5843 \\ \underline{5} \\ - \end{array}$$


```

8
5
-
34
30
--
43
40
--
3 ← remainder

```

$$5843 \div 7 = 834 \text{ remainder } 5$$

```

      834
7 | 5843
   56
   --
   24
   21
   --
   33
   28
   --
   5 ← remainder

```

$$5843 \div 11 = 531 \text{ remainder } 2$$

```

      531
11 | 5843
   55
   --
   34
   33
   --
   13
   11
   --
   2 ← remainder

```

$$5843 \div 13 = 449 \text{ remainder } 6$$

```

      449
13 | 5843
   52

```

```

--
64
52
--
123
117
---
6 ← remainder

```

$$5843 \div 17 = 343 \text{ remainder } 12$$

```

      343
17 | 5843
    51
    --
    74
    68
    --
    63
    51
    --
    12 ← remainder

```

$$5843 \div 19 = 307 \text{ remainder } 10$$

```

      307
19 | 5843
    57
    --
    14
    0
    -
    143
    133
    ---
    10 ← remainder

```

$$5843 \div 23 = 254 \text{ remainder } 1$$

```

      254
23 | 5843
    46
    --
    124

```

```

115
---
93
92
--
1 ← remainder

```

$$5843 \div 29 = 201 \text{ remainder } 14$$

```

      201
29 | 5843
    58
    --
     4
     0
     -
    43
    29
    --
    14 ← remainder

```

$$5843 \div 31 = 188 \text{ remainder } 15$$

```

      188
31 | 5843
    31
    --
    274
    248
    ---
    263
    248
    ---
    15 ← remainder

```

$$5843 \div 37 = 157 \text{ remainder } 34$$

```

      157
37 | 5843
    37
    --
    214
    185
    ---

```

```

293
259
---
34 ← remainder

```

$$5843 \div 41 = 142 \text{ remainder } 21$$

```

      142
41 | 5843
    41
    --
    174
    164
    ---
    103
    82
    --
    21 ← remainder

```

$$5843 \div 43 = 135 \text{ remainder } 38$$

```

      135
43 | 5843
    43
    --
    154
    129
    ---
    253
    215
    ---
    38 ← remainder

```

$$5843 \div 47 = 124 \text{ remainder } 15$$

```

      124
47 | 5843
    47
    --
    114
    94
    --
    203
    188

```

15 ← remainder

$$5843 \div 53 = 110 \text{ remainder } 13$$

$$\begin{array}{r} 110 \\ 53 \overline{) 5843} \\ \underline{53} \\ -- \\ 54 \\ \underline{53} \\ -- \\ 13 \\ \underline{0} \\ - \\ 13 \leftarrow \text{remainder} \end{array}$$

$$5843 \div 59 = 99 \text{ remainder } 2$$

$$\begin{array}{r} 99 \\ 59 \overline{) 5843} \\ \underline{531} \\ --- \\ 533 \\ \underline{531} \\ --- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5843 \div 61 = 95 \text{ remainder } 48$$

$$\begin{array}{r} 95 \\ 61 \overline{) 5843} \\ \underline{549} \\ --- \\ 353 \\ \underline{305} \\ --- \\ 48 \leftarrow \text{remainder} \end{array}$$

$$5843 \div 67 = 87 \text{ remainder } 14$$

$$\begin{array}{r} 87 \\ 67 \overline{) 5843} \\ \underline{536} \end{array}$$

483
469

14 \leftarrow remainder

$$5843 \div 71 = 82 \text{ remainder } 21$$

82
71 | 5843
568

163
142

21 \leftarrow remainder

$$5843 \div 73 = 80 \text{ remainder } 3$$

80
73 | 5843
584

3
0

-
3 \leftarrow remainder

P₇₆₈ 5849

$$5849 \div 2 = 2924 \text{ remainder } 1$$

$$\begin{array}{r} 2924 \\ 2 \mid 5849 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5849 \div 3 = 1949 \text{ remainder } 2$$

$$\begin{array}{r} 1949 \\ 3 \mid 5849 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 14 \\ \underline{12} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5849 \div 5 = 1169 \text{ remainder } 4$$

$$\begin{array}{r} 1169 \\ 5 \mid 5849 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
34
30
--
49
45
--
4 ← remainder

```

$$5849 \div 7 = 835 \text{ remainder } 4$$

```

      835
7 | 5849
   56
   --
   24
   21
   --
   39
   35
   --
   4 ← remainder

```

$$5849 \div 11 = 531 \text{ remainder } 8$$

```

      531
11 | 5849
   55
   --
   34
   33
   --
   19
   11
   --
   8 ← remainder

```

$$5849 \div 13 = 449 \text{ remainder } 12$$

```

      449
13 | 5849
   52

```



```

--
64
52
--
129
117
---
12 ← remainder

```

$$5849 \div 17 = 344 \text{ remainder } 1$$

```

      344
17 | 5849
    51
    --
    74
    68
    --
    69
    68
    --
    1 ← remainder

```

$$5849 \div 19 = 307 \text{ remainder } 16$$

```

      307
19 | 5849
    57
    --
    14
    0
    -
    149
    133
    ---
    16 ← remainder

```

$$5849 \div 23 = 254 \text{ remainder } 7$$

```

      254
23 | 5849
    46
    --
    124

```

```

115
---
99
92
--
7 ← remainder

```

$$5849 \div 29 = 201 \text{ remainder } 20$$

```

      201
29 | 5849
    58
    --
     4
     0
     -
     49
     29
     --
     20 ← remainder

```

$$5849 \div 31 = 188 \text{ remainder } 21$$

```

      188
31 | 5849
    31
    --
    274
    248
    ---
    269
    248
    ---
    21 ← remainder

```

$$5849 \div 37 = 158 \text{ remainder } 3$$

```

      158
37 | 5849
    37
    --
    214
    185
    ---

```

```

299
296
---
3 ← remainder

```

$$5849 \div 41 = 142 \text{ remainder } 27$$

```

142
41 | 5849
   41
   --
   174
   164
   ---
   109
   82
   --
   27 ← remainder

```

$$5849 \div 43 = 136 \text{ remainder } 1$$

```

136
43 | 5849
   43
   --
   154
   129
   ---
   259
   258
   ---
   1 ← remainder

```

$$5849 \div 47 = 124 \text{ remainder } 21$$

```

124
47 | 5849
   47
   --
   114
   94
   --
   209
   188

```

21 ← remainder

$$5849 \div 53 = 110 \text{ remainder } 19$$

110
53 | 5849
53
--
54
53
--
19
0
-
19 ← remainder

$$5849 \div 59 = 99 \text{ remainder } 8$$

99
59 | 5849
531

539
531

8 ← remainder

$$5849 \div 61 = 95 \text{ remainder } 54$$

95
61 | 5849
549

359
305

54 ← remainder

$$5849 \div 67 = 87 \text{ remainder } 20$$

87
67 | 5849
536

```

  ---
489
469
  ---
20 ← remainder

```

$$5849 \div 71 = 82 \text{ remainder } 27$$

```

    82
71 | 5849
    568
    ---
    169
    142
    ---
    27 ← remainder

```

$$5849 \div 73 = 80 \text{ remainder } 9$$

```

    80
73 | 5849
    584
    ---
     9
     0
     -
     9 ← remainder

```

P₇₆₉ 5851

$$5851 \div 2 = 2925 \text{ remainder } 1$$

$$\begin{array}{r} 2925 \\ 2 \mid 5851 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5851 \div 3 = 1950 \text{ remainder } 1$$

$$\begin{array}{r} 1950 \\ 3 \mid 5851 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 15 \\ \underline{15} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5851 \div 5 = 1170 \text{ remainder } 1$$

$$\begin{array}{r} 1170 \\ 5 \mid 5851 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
35
35
--
1
0
-
1 ← remainder

```

$$5851 \div 7 = 835 \text{ remainder } 6$$

```

      835
7 | 5851
   56
   --
   25
   21
   --
   41
   35
   --
   6 ← remainder

```

$$5851 \div 11 = 531 \text{ remainder } 10$$

```

      531
11 | 5851
   55
   --
   35
   33
   --
   21
   11
   --
  10 ← remainder

```

$$5851 \div 13 = 450 \text{ remainder } 1$$

```

      450
13 | 5851
   52

```

```

--
65
65
--
1
0
-
1 ← remainder

```

$$5851 \div 17 = 344 \text{ remainder } 3$$

```

      344
17 | 5851
    51
    --
    75
    68
    --
    71
    68
    --
    3 ← remainder

```

$$5851 \div 19 = 307 \text{ remainder } 18$$

```

      307
19 | 5851
    57
    --
    15
    0
    -
    151
    133
    ---
    18 ← remainder

```

$$5851 \div 23 = 254 \text{ remainder } 9$$

```

      254
23 | 5851
    46
    --
    125

```



```

115
---
101
92
--
9 ← remainder

```

$$5851 \div 29 = 201 \text{ remainder } 22$$

```

      201
29 | 5851
    58
    --
     5
     0
     -
     51
     29
     --
     22 ← remainder

```

$$5851 \div 31 = 188 \text{ remainder } 23$$

```

      188
31 | 5851
    31
    --
    275
    248
    ---
    271
    248
    ---
    23 ← remainder

```

$$5851 \div 37 = 158 \text{ remainder } 5$$

```

      158
37 | 5851
    37
    --
    215
    185
    ---

```

```

301
296
---
5 ← remainder

```

$$5851 \div 41 = 142 \text{ remainder } 29$$

```

142
41 | 5851
   41
   --
   175
   164
   ---
   111
   82
   --
   29 ← remainder

```

$$5851 \div 43 = 136 \text{ remainder } 3$$

```

136
43 | 5851
   43
   --
   155
   129
   ---
   261
   258
   ---
   3 ← remainder

```

$$5851 \div 47 = 124 \text{ remainder } 23$$

```

124
47 | 5851
   47
   --
   115
   94
   --
   211
   188

```

23 ← remainder

$$5851 \div 53 = 110 \text{ remainder } 21$$

110
53 | 5851
53
--
55
53
--
21
0
-
21 ← remainder

$$5851 \div 59 = 99 \text{ remainder } 10$$

99
59 | 5851
531

541
531

10 ← remainder

$$5851 \div 61 = 95 \text{ remainder } 56$$

95
61 | 5851
549

361
305

56 ← remainder

$$5851 \div 67 = 87 \text{ remainder } 22$$

87
67 | 5851
536

```

  ---
491
469
  ---
22 ← remainder

```

$$5851 \div 71 = 82 \text{ remainder } 29$$

```

    82
71 | 5851
    568
    ---
    171
    142
    ---
    29 ← remainder

```

$$5851 \div 73 = 80 \text{ remainder } 11$$

```

    80
73 | 5851
    584
    ---
    11
    0
    -
    11 ← remainder

```

P₇₇₀ 5857

$$5857 \div 2 = 2928 \text{ remainder } 1$$

$$\begin{array}{r} 2928 \\ 2 \mid 5857 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5857 \div 3 = 1952 \text{ remainder } 1$$

$$\begin{array}{r} 1952 \\ 3 \mid 5857 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 15 \\ \underline{15} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5857 \div 5 = 1171 \text{ remainder } 2$$

$$\begin{array}{r} 1171 \\ 5 \mid 5857 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
35
35
--
7
5
-
2 ← remainder

```

$$5857 \div 7 = 836 \text{ remainder } 5$$

```

      836
7 | 5857
   56
   --
   25
   21
   --
   47
   42
   --
   5 ← remainder

```

$$5857 \div 11 = 532 \text{ remainder } 5$$

```

      532
11 | 5857
   55
   --
   35
   33
   --
   27
   22
   --
   5 ← remainder

```

$$5857 \div 13 = 450 \text{ remainder } 7$$

```

      450
13 | 5857
   52

```

```

--
65
65
--
7
0
-
7 ← remainder

```

$$5857 \div 17 = 344 \text{ remainder } 9$$

```

344
17 | 5857
   51
   --
   75
   68
   --
   77
   68
   --
   9 ← remainder

```

$$5857 \div 19 = 308 \text{ remainder } 5$$

```

308
19 | 5857
   57
   --
   15
   0
   -
   157
   152
   ---
   5 ← remainder

```

$$5857 \div 23 = 254 \text{ remainder } 15$$

```

254
23 | 5857
   46
   --
   125

```

```

115
---
107
92
--
15 ← remainder

```

$$5857 \div 29 = 201 \text{ remainder } 28$$

```

      201
29 | 5857
    58
    --
     5
     0
     -
     57
     29
     --
     28 ← remainder

```

$$5857 \div 31 = 188 \text{ remainder } 29$$

```

      188
31 | 5857
    31
    --
    275
    248
    ---
    277
    248
    ---
    29 ← remainder

```

$$5857 \div 37 = 158 \text{ remainder } 11$$

```

      158
37 | 5857
    37
    --
    215
    185
    ---

```



```

307
296
---
11 ← remainder

```

$$5857 \div 41 = 142 \text{ remainder } 35$$

```

142
41 | 5857
   41
   --
   175
   164
   ---
   117
   82
   --
   35 ← remainder

```

$$5857 \div 43 = 136 \text{ remainder } 9$$

```

136
43 | 5857
   43
   --
   155
   129
   ---
   267
   258
   ---
   9 ← remainder

```

$$5857 \div 47 = 124 \text{ remainder } 29$$

```

124
47 | 5857
   47
   --
   115
   94
   --
   217
   188

```

29 ← remainder

$$5857 \div 53 = 110 \text{ remainder } 27$$

110
53 | 5857
53
--
55
53
--
27
0
-
27 ← remainder

$$5857 \div 59 = 99 \text{ remainder } 16$$

99
59 | 5857
531

547
531

16 ← remainder

$$5857 \div 61 = 96 \text{ remainder } 1$$

96
61 | 5857
549

367
366

1 ← remainder

$$5857 \div 67 = 87 \text{ remainder } 28$$

87
67 | 5857
536

```

  ---
497
469
  ---
28 ← remainder

```

$$5857 \div 71 = 82 \text{ remainder } 35$$

```

    82
71 | 5857
    568
    ---
    177
    142
    ---
    35 ← remainder

```

$$5857 \div 73 = 80 \text{ remainder } 17$$

```

    80
73 | 5857
    584
    ---
    17
    0
    -
    17 ← remainder

```

P₇₇₁ 5861

$$5861 \div 2 = 2930 \text{ remainder } 1$$

$$\begin{array}{r} 2930 \\ 2 \mid 5861 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5861 \div 3 = 1953 \text{ remainder } 2$$

$$\begin{array}{r} 1953 \\ 3 \mid 5861 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5861 \div 5 = 1172 \text{ remainder } 1$$

$$\begin{array}{r} 1172 \\ 5 \mid 5861 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
36
35
--
11
10
--
1 ← remainder

```

$$5861 \div 7 = 837 \text{ remainder } 2$$

```

      837
7 | 5861
   56
   --
   26
   21
   --
   51
   49
   --
   2 ← remainder

```

$$5861 \div 11 = 532 \text{ remainder } 9$$

```

      532
11 | 5861
   55
   --
   36
   33
   --
   31
   22
   --
   9 ← remainder

```

$$5861 \div 13 = 450 \text{ remainder } 11$$

```

      450
13 | 5861
   52

```

```

--
66
65
--
11
0
-
11 ← remainder

```

$$5861 \div 17 = 344 \text{ remainder } 13$$

```

      344
17 | 5861
    51
    --
    76
    68
    --
    81
    68
    --
    13 ← remainder

```

$$5861 \div 19 = 308 \text{ remainder } 9$$

```

      308
19 | 5861
    57
    --
    16
    0
    -
    161
    152
    ---
    9 ← remainder

```

$$5861 \div 23 = 254 \text{ remainder } 19$$

```

      254
23 | 5861
    46
    --
    126

```

```

115
---
111
92
--
19 ← remainder

```

$$5861 \div 29 = 202 \text{ remainder } 3$$

```

      202
29 | 5861
    58
    --
     6
     0
     -
     61
     58
     --
      3 ← remainder

```

$$5861 \div 31 = 189 \text{ remainder } 2$$

```

      189
31 | 5861
    31
    --
    276
    248
    ---
    281
    279
    ---
     2 ← remainder

```

$$5861 \div 37 = 158 \text{ remainder } 15$$

```

      158
37 | 5861
    37
    --
    216
    185
    ---

```

```

311
296
---
15 ← remainder

```

$$5861 \div 41 = 142 \text{ remainder } 39$$

```

142
41 | 5861
   41
   --
   176
   164
   ---
   121
   82
   --
   39 ← remainder

```

$$5861 \div 43 = 136 \text{ remainder } 13$$

```

136
43 | 5861
   43
   --
   156
   129
   ---
   271
   258
   ---
   13 ← remainder

```

$$5861 \div 47 = 124 \text{ remainder } 33$$

```

124
47 | 5861
   47
   --
   116
   94
   --
   221
   188

```

33 ← remainder

$$5861 \div 53 = 110 \text{ remainder } 31$$

110
53 | 5861
53
--
56
53
--
31
0
-
31 ← remainder

$$5861 \div 59 = 99 \text{ remainder } 20$$

99
59 | 5861
531

551
531

20 ← remainder

$$5861 \div 61 = 96 \text{ remainder } 5$$

96
61 | 5861
549

371
366

5 ← remainder

$$5861 \div 67 = 87 \text{ remainder } 32$$

87
67 | 5861
536

501
469

32 ← remainder

$$5861 \div 71 = 82 \text{ remainder } 39$$

82
71 | 5861
568

181
142

39 ← remainder

$$5861 \div 73 = 80 \text{ remainder } 21$$

80
73 | 5861
584

21
0

-
21 ← remainder

P₇₇₂ 5867

$$5867 \div 2 = 2933 \text{ remainder } 1$$

$$\begin{array}{r} 2933 \\ 2 \mid 5867 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5867 \div 3 = 1955 \text{ remainder } 2$$

$$\begin{array}{r} 1955 \\ 3 \mid 5867 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5867 \div 5 = 1173 \text{ remainder } 2$$

$$\begin{array}{r} 1173 \\ 5 \mid 5867 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
36
35
--
17
15
--
2 ← remainder

```

$$5867 \div 7 = 838 \text{ remainder } 1$$

```

      838
7 | 5867
   56
   --
   26
   21
   --
   57
   56
   --
   1 ← remainder

```

$$5867 \div 11 = 533 \text{ remainder } 4$$

```

      533
11 | 5867
   55
   --
   36
   33
   --
   37
   33
   --
   4 ← remainder

```

$$5867 \div 13 = 451 \text{ remainder } 4$$

```

      451
13 | 5867
   52

```

```

--
66
65
--
17
13
--
4 ← remainder

```

$$5867 \div 17 = 345 \text{ remainder } 2$$

```

      345
17 | 5867
    51
    --
    76
    68
    --
    87
    85
    --
    2 ← remainder

```

$$5867 \div 19 = 308 \text{ remainder } 15$$

```

      308
19 | 5867
    57
    --
    16
    0
    -
    167
    152
    ---
    15 ← remainder

```

$$5867 \div 23 = 255 \text{ remainder } 2$$

```

      255
23 | 5867
    46
    --
    126

```

```

115
---
117
115
---
2 ← remainder

```

$$5867 \div 29 = 202 \text{ remainder } 9$$

```

    202
29 | 5867
    58
    --
     6
     0
     -
     67
     58
     --
     9 ← remainder

```

$$5867 \div 31 = 189 \text{ remainder } 8$$

```

    189
31 | 5867
    31
    --
    276
    248
    ---
    287
    279
    ---
     8 ← remainder

```

$$5867 \div 37 = 158 \text{ remainder } 21$$

```

    158
37 | 5867
    37
    --
    216
    185
    ---

```

```

317
296
---
21 ← remainder

```

$$5867 \div 41 = 143 \text{ remainder } 4$$

```

      143
41 | 5867
    41
    --
    176
    164
    ---
    127
    123
    ---
    4 ← remainder

```

$$5867 \div 43 = 136 \text{ remainder } 19$$

```

      136
43 | 5867
    43
    --
    156
    129
    ---
    277
    258
    ---
    19 ← remainder

```

$$5867 \div 47 = 124 \text{ remainder } 39$$

```

      124
47 | 5867
    47
    --
    116
    94
    --
    227
    188

```

39 ← remainder

$$5867 \div 53 = 110 \text{ remainder } 37$$

110
53 | 5867
53
--
56
53
--
37
0
-
37 ← remainder

$$5867 \div 59 = 99 \text{ remainder } 26$$

99
59 | 5867
531

557
531

26 ← remainder

$$5867 \div 61 = 96 \text{ remainder } 11$$

96
61 | 5867
549

377
366

11 ← remainder

$$5867 \div 67 = 87 \text{ remainder } 38$$

87
67 | 5867
536


```

  ---
507
469
  ---
38 ← remainder

```

$$5867 \div 71 = 82 \text{ remainder } 45$$

```

    82
71 | 5867
    568
    ---
    187
    142
    ---
    45 ← remainder

```

$$5867 \div 73 = 80 \text{ remainder } 27$$

```

    80
73 | 5867
    584
    ---
    27
    0
    -
    27 ← remainder

```

P₇₇₃ 5869

$$5869 \div 2 = 2934 \text{ remainder } 1$$

$$\begin{array}{r} 2934 \\ 2 \mid 5869 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5869 \div 3 = 1956 \text{ remainder } 1$$

$$\begin{array}{r} 1956 \\ 3 \mid 5869 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5869 \div 5 = 1173 \text{ remainder } 4$$

$$\begin{array}{r} 1173 \\ 5 \mid 5869 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
36
35
--
19
15
--
4 ← remainder

```

$$5869 \div 7 = 838 \text{ remainder } 3$$

```

      838
7 | 5869
   56
   --
   26
   21
   --
   59
   56
   --
   3 ← remainder

```

$$5869 \div 11 = 533 \text{ remainder } 6$$

```

      533
11 | 5869
   55
   --
   36
   33
   --
   39
   33
   --
   6 ← remainder

```

$$5869 \div 13 = 451 \text{ remainder } 6$$

```

      451
13 | 5869
   52

```

```

--
66
65
--
19
13
--
6 ← remainder

```

$$5869 \div 17 = 345 \text{ remainder } 4$$

```

      345
17 | 5869
    51
    --
    76
    68
    --
    89
    85
    --
    4 ← remainder

```

$$5869 \div 19 = 308 \text{ remainder } 17$$

```

      308
19 | 5869
    57
    --
    16
    0
    -
    169
    152
    ---
    17 ← remainder

```

$$5869 \div 23 = 255 \text{ remainder } 4$$

```

      255
23 | 5869
    46
    --
    126

```

```

115
---
119
115
---
4 ← remainder

```

$$5869 \div 29 = 202 \text{ remainder } 11$$

```

      202
29 | 5869
    58
    --
     6
     0
     -
     69
     58
     --
     11 ← remainder

```

$$5869 \div 31 = 189 \text{ remainder } 10$$

```

      189
31 | 5869
    31
    --
    276
    248
    ---
    289
    279
    ---
    10 ← remainder

```

$$5869 \div 37 = 158 \text{ remainder } 23$$

```

      158
37 | 5869
    37
    --
    216
    185
    ---

```

```

319
296
---
23 ← remainder

```

$$5869 \div 41 = 143 \text{ remainder } 6$$

```

143
41 | 5869
   41
   --
   176
   164
   ---
   129
   123
   ---
   6 ← remainder

```

$$5869 \div 43 = 136 \text{ remainder } 21$$

```

136
43 | 5869
   43
   --
   156
   129
   ---
   279
   258
   ---
   21 ← remainder

```

$$5869 \div 47 = 124 \text{ remainder } 41$$

```

124
47 | 5869
   47
   --
   116
   94
   --
   229
   188

```

41 ← remainder

$$5869 \div 53 = 110 \text{ remainder } 39$$

110
53 | 5869
53
--
56
53
--
39
0
-
39 ← remainder

$$5869 \div 59 = 99 \text{ remainder } 28$$

99
59 | 5869
531

559
531

28 ← remainder

$$5869 \div 61 = 96 \text{ remainder } 13$$

96
61 | 5869
549

379
366

13 ← remainder

$$5869 \div 67 = 87 \text{ remainder } 40$$

87
67 | 5869
536

```

  ---
509
469
  ---
40 ← remainder

```

$$5869 \div 71 = 82 \text{ remainder } 47$$

```

    82
71 | 5869
    568
    ---
    189
    142
    ---
    47 ← remainder

```

$$5869 \div 73 = 80 \text{ remainder } 29$$

```

    80
73 | 5869
    584
    ---
    29
    0
    -
    29 ← remainder

```


P₇₇₄ 5879

$$5879 \div 2 = 2939 \text{ remainder } 1$$

$$\begin{array}{r} 2939 \\ 2 \mid 5879 \\ 4 \\ - \\ 18 \\ 18 \\ -- \\ 7 \\ 6 \\ - \\ 19 \\ 18 \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5879 \div 3 = 1959 \text{ remainder } 2$$

$$\begin{array}{r} 1959 \\ 3 \mid 5879 \\ 3 \\ - \\ 28 \\ 27 \\ -- \\ 17 \\ 15 \\ -- \\ 29 \\ 27 \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5879 \div 5 = 1175 \text{ remainder } 4$$

$$\begin{array}{r} 1175 \\ 5 \mid 5879 \\ 5 \\ - \end{array}$$

```

8
5
-
37
35
--
29
25
--
4 ← remainder

```

$$5879 \div 7 = 839 \text{ remainder } 6$$

```

      839
7 | 5879
   56
   --
   27
   21
   --
   69
   63
   --
   6 ← remainder

```

$$5879 \div 11 = 534 \text{ remainder } 5$$

```

      534
11 | 5879
   55
   --
   37
   33
   --
   49
   44
   --
   5 ← remainder

```

$$5879 \div 13 = 452 \text{ remainder } 3$$

```

      452
13 | 5879
   52

```

```

--
67
65
--
29
26
--
3 ← remainder

```

$$5879 \div 17 = 345 \text{ remainder } 14$$

```

      345
17 | 5879
    51
    --
    77
    68
    --
    99
    85
    --
    14 ← remainder

```

$$5879 \div 19 = 309 \text{ remainder } 8$$

```

      309
19 | 5879
    57
    --
    17
    0
    -
    179
    171
    ---
    8 ← remainder

```

$$5879 \div 23 = 255 \text{ remainder } 14$$

```

      255
23 | 5879
    46
    --
    127

```

```

115
---
129
115
---
14 ← remainder

```

$$5879 \div 29 = 202 \text{ remainder } 21$$

```

      202
29 | 5879
    58
    --
     7
     0
     -
     79
     58
     --
     21 ← remainder

```

$$5879 \div 31 = 189 \text{ remainder } 20$$

```

      189
31 | 5879
    31
    --
    277
    248
    ---
    299
    279
    ---
    20 ← remainder

```

$$5879 \div 37 = 158 \text{ remainder } 33$$

```

      158
37 | 5879
    37
    --
    217
    185
    ---

```

```

329
296
---
33 ← remainder

```

$$5879 \div 41 = 143 \text{ remainder } 16$$

```

143
41 | 5879
   41
   --
   177
   164
   ---
   139
   123
   ---
   16 ← remainder

```

$$5879 \div 43 = 136 \text{ remainder } 31$$

```

136
43 | 5879
   43
   --
   157
   129
   ---
   289
   258
   ---
   31 ← remainder

```

$$5879 \div 47 = 125 \text{ remainder } 4$$

```

125
47 | 5879
   47
   --
   117
   94
   --
   239
   235

```

4 ← remainder

$$5879 \div 53 = 110 \text{ remainder } 49$$

110
53 | 5879
53
--
57
53
--
49
0
-
49 ← remainder

$$5879 \div 59 = 99 \text{ remainder } 38$$

99
59 | 5879
531

569
531

38 ← remainder

$$5879 \div 61 = 96 \text{ remainder } 23$$

96
61 | 5879
549

389
366

23 ← remainder

$$5879 \div 67 = 87 \text{ remainder } 50$$

87
67 | 5879
536

519
469

50 ← remainder

$$5879 \div 71 = 82 \text{ remainder } 57$$

82
71 | 5879
568

199
142

57 ← remainder

$$5879 \div 73 = 80 \text{ remainder } 39$$

80
73 | 5879
584

39
0
-

39 ← remainder

P₇₇₅ 5881

$$5881 \div 2 = 2940 \text{ remainder } 1$$

$$\begin{array}{r} 2940 \\ 2 \mid 5881 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ - - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5881 \div 3 = 1960 \text{ remainder } 1$$

$$\begin{array}{r} 1960 \\ 3 \mid 5881 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5881 \div 5 = 1176 \text{ remainder } 1$$

$$\begin{array}{r} 1176 \\ 5 \mid 5881 \\ \underline{5} \\ - \end{array}$$


```

8
5
-
38
35
--
31
30
--
1 ← remainder

```

$$5881 \div 7 = 840 \text{ remainder } 1$$

```

      840
7 | 5881
   56
   --
   28
   28
   --
   1
   0
   -
   1 ← remainder

```

$$5881 \div 11 = 534 \text{ remainder } 7$$

```

      534
11 | 5881
   55
   --
   38
   33
   --
   51
   44
   --
   7 ← remainder

```

$$5881 \div 13 = 452 \text{ remainder } 5$$

```

      452
13 | 5881
   52

```

```

--
68
65
--
31
26
--
5 ← remainder

```

$$5881 \div 17 = 345 \text{ remainder } 16$$

```

      345
17 | 5881
    51
    --
    78
    68
    --
    101
    85
    --
    16 ← remainder

```

$$5881 \div 19 = 309 \text{ remainder } 10$$

```

      309
19 | 5881
    57
    --
    18
    0
    -
    181
    171
    ---
    10 ← remainder

```

$$5881 \div 23 = 255 \text{ remainder } 16$$

```

      255
23 | 5881
    46
    --
    128

```

```

115
---
131
115
---
16 ← remainder

```

$$5881 \div 29 = 202 \text{ remainder } 23$$

```

      202
29 | 5881
    58
    --
     8
     0
     -
     81
     58
     --
     23 ← remainder

```

$$5881 \div 31 = 189 \text{ remainder } 22$$

```

      189
31 | 5881
    31
    --
    278
    248
    ---
    301
    279
    ---
    22 ← remainder

```

$$5881 \div 37 = 158 \text{ remainder } 35$$

```

      158
37 | 5881
    37
    --
    218
    185
    ---

```

```

331
296
---
35 ← remainder

```

$$5881 \div 41 = 143 \text{ remainder } 18$$

```

143
41 | 5881
   41
   --
   178
   164
   ---
   141
   123
   ---
   18 ← remainder

```

$$5881 \div 43 = 136 \text{ remainder } 33$$

```

136
43 | 5881
   43
   --
   158
   129
   ---
   291
   258
   ---
   33 ← remainder

```

$$5881 \div 47 = 125 \text{ remainder } 6$$

```

125
47 | 5881
   47
   --
   118
   94
   --
   241
   235

```

6 ← remainder

$$5881 \div 53 = 110 \text{ remainder } 51$$

110
53 | 5881
53
--
58
53
--
51
0
-
51 ← remainder

$$5881 \div 59 = 99 \text{ remainder } 40$$

99
59 | 5881
531

571
531

40 ← remainder

$$5881 \div 61 = 96 \text{ remainder } 25$$

96
61 | 5881
549

391
366

25 ← remainder

$$5881 \div 67 = 87 \text{ remainder } 52$$

87
67 | 5881
536

521
469

52 ← remainder

$$5881 \div 71 = 82 \text{ remainder } 59$$

82
71 | 5881
568

201
142

59 ← remainder

$$5881 \div 73 = 80 \text{ remainder } 41$$

80
73 | 5881
584

41
0

-
41 ← remainder

P₇₇₆ 5897

$$5897 \div 2 = 2948 \text{ remainder } 1$$

$$\begin{array}{r} 2948 \\ 2 \mid 5897 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ -- \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5897 \div 3 = 1965 \text{ remainder } 2$$

$$\begin{array}{r} 1965 \\ 3 \mid 5897 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5897 \div 5 = 1179 \text{ remainder } 2$$

$$\begin{array}{r} 1179 \\ 5 \mid 5897 \\ \underline{5} \\ - \end{array}$$

```

8
5
-
39
35
--
47
45
--
2 ← remainder

```

$$5897 \div 7 = 842 \text{ remainder } 3$$

```

      842
7 | 5897
   56
   --
   29
   28
   --
   17
   14
   --
   3 ← remainder

```

$$5897 \div 11 = 536 \text{ remainder } 1$$

```

      536
11 | 5897
   55
   --
   39
   33
   --
   67
   66
   --
   1 ← remainder

```

$$5897 \div 13 = 453 \text{ remainder } 8$$

```

      453
13 | 5897
   52

```



```

--
69
65
--
47
39
--
8 ← remainder

```

$$5897 \div 17 = 346 \text{ remainder } 15$$

```

      346
17 | 5897
    51
    --
    79
    68
    --
    117
    102
    ---
    15 ← remainder

```

$$5897 \div 19 = 310 \text{ remainder } 7$$

```

      310
19 | 5897
    57
    --
    19
    19
    --
    7
    0
    -
    7 ← remainder

```

$$5897 \div 23 = 256 \text{ remainder } 9$$

```

      256
23 | 5897
    46
    --
    129

```

```

115
---
147
138
---
9 ← remainder

```

$$5897 \div 29 = 203 \text{ remainder } 10$$

```

      203
29 | 5897
    58
    --
     9
     0
     -
     97
     87
     --
    10 ← remainder

```

$$5897 \div 31 = 190 \text{ remainder } 7$$

```

      190
31 | 5897
    31
    --
    279
    279
    ---
     7
     0
     -
     7 ← remainder

```

$$5897 \div 37 = 159 \text{ remainder } 14$$

```

      159
37 | 5897
    37
    --
    219
    185
    ---

```

```

347
333
---
14 ← remainder

```

$$5897 \div 41 = 143 \text{ remainder } 34$$

```

143
41 | 5897
   41
   --
   179
   164
   ---
   157
   123
   ---
   34 ← remainder

```

$$5897 \div 43 = 137 \text{ remainder } 6$$

```

137
43 | 5897
   43
   --
   159
   129
   ---
   307
   301
   ---
   6 ← remainder

```

$$5897 \div 47 = 125 \text{ remainder } 22$$

```

125
47 | 5897
   47
   --
   119
   94
   --
   257
   235

```

22 ← remainder

$$5897 \div 53 = 111 \text{ remainder } 14$$

111
53 | 5897
53
--
59
53
--
67
53
--
14 ← remainder

$$5897 \div 59 = 99 \text{ remainder } 56$$

99
59 | 5897
531

587
531

56 ← remainder

$$5897 \div 61 = 96 \text{ remainder } 41$$

96
61 | 5897
549

407
366

41 ← remainder

$$5897 \div 67 = 88 \text{ remainder } 1$$

88
67 | 5897
536

```

  ---
537
536
  ---
1 ← remainder

```

$$5897 \div 71 = 83 \text{ remainder } 4$$

```

    83
71 | 5897
    568
    ---
    217
    213
    ---
    4 ← remainder

```

$$5897 \div 73 = 80 \text{ remainder } 57$$

```

    80
73 | 5897
    584
    ---
    57
    0
    -
    57 ← remainder

```

P₇₇₇ 5903

$$5903 \div 2 = 2951 \text{ remainder } 1$$

$$\begin{array}{r} 2951 \\ 2 \mid 5903 \\ 4 \\ - \\ 19 \\ 18 \\ - - \\ 10 \\ 10 \\ - - \\ 3 \\ 2 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 3 = 1967 \text{ remainder } 2$$

$$\begin{array}{r} 1967 \\ 3 \mid 5903 \\ 3 \\ - \\ 29 \\ 27 \\ - - \\ 20 \\ 18 \\ - - \\ 23 \\ 21 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5903 \div 5 = 1180 \text{ remainder } 3$$

$$\begin{array}{r} 1180 \\ 5 \mid 5903 \\ 5 \\ - \end{array}$$

```

9
5
-
40
40
--
3
0
-
3 ← remainder

```

$$5903 \div 7 = 843 \text{ remainder } 2$$

```

      843
7 | 5903
   56
   --
   30
   28
   --
   23
   21
   --
   2 ← remainder

```

$$5903 \div 11 = 536 \text{ remainder } 7$$

```

      536
11 | 5903
   55
   --
   40
   33
   --
   73
   66
   --
   7 ← remainder

```

$$5903 \div 13 = 454 \text{ remainder } 1$$

```

      454
13 | 5903
   52

```

```

--
70
65
--
53
52
--
1 ← remainder

```

$$5903 \div 17 = 347 \text{ remainder } 4$$

```

      347
17 | 5903
    51
    --
    80
    68
    --
    123
    119
    ---
    4 ← remainder

```

$$5903 \div 19 = 310 \text{ remainder } 13$$

```

      310
19 | 5903
    57
    --
    20
    19
    --
    13
    0
    -
    13 ← remainder

```

$$5903 \div 23 = 256 \text{ remainder } 15$$

```

      256
23 | 5903
    46
    --
    130

```



```

115
---
153
138
---
15 ← remainder

```

$$5903 \div 29 = 203 \text{ remainder } 16$$

```

      203
29 | 5903
    58
    --
     10
     0
     -
    103
     87
     --
     16 ← remainder

```

$$5903 \div 31 = 190 \text{ remainder } 13$$

```

      190
31 | 5903
    31
    --
    280
    279
    ---
     13
     0
     -
     13 ← remainder

```

$$5903 \div 37 = 159 \text{ remainder } 20$$

```

      159
37 | 5903
    37
    --
    220
    185
    ---

```

```

353
333
---
20 ← remainder

```

$$5903 \div 41 = 143 \text{ remainder } 40$$

```

      143
41 | 5903
    41
    --
    180
    164
    ---
    163
    123
    ---
    40 ← remainder

```

$$5903 \div 43 = 137 \text{ remainder } 12$$

```

      137
43 | 5903
    43
    --
    160
    129
    ---
    313
    301
    ---
    12 ← remainder

```

$$5903 \div 47 = 125 \text{ remainder } 28$$

```

      125
47 | 5903
    47
    --
    120
    94
    --
    263
    235

```

28 ← remainder

$$5903 \div 53 = 111 \text{ remainder } 20$$

```
    111
53 | 5903
    53
    --
    60
    53
    --
    73
    53
    --
    20 ← remainder
```

$$5903 \div 59 = 100 \text{ remainder } 3$$

```
    100
59 | 5903
    59
    --
    0
    0
    -
    3
    0
    -
    3 ← remainder
```

$$5903 \div 61 = 96 \text{ remainder } 47$$

```
    96
61 | 5903
    549
    ---
    413
    366
    ---
    47 ← remainder
```

$$5903 \div 67 = 88 \text{ remainder } 7$$

$$\begin{array}{r}
 88 \\
 67 \mid 5903 \\
 \underline{536} \\
 543 \\
 \underline{536} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$5903 \div 71 = 83 \text{ remainder } 10$$

$$\begin{array}{r}
 83 \\
 71 \mid 5903 \\
 \underline{568} \\
 223 \\
 \underline{213} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$5903 \div 73 = 80 \text{ remainder } 63$$

$$\begin{array}{r}
 80 \\
 73 \mid 5903 \\
 \underline{584} \\
 63 \\
 0 \\
 - \\
 63 \leftarrow \text{remainder}
 \end{array}$$

P₇₇₈ 5923

$$5923 \div 2 = 2961 \text{ remainder } 1$$

$$\begin{array}{r} 2961 \\ 2 \mid 5923 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5923 \div 3 = 1974 \text{ remainder } 1$$

$$\begin{array}{r} 1974 \\ 3 \mid 5923 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5923 \div 5 = 1184 \text{ remainder } 3$$

$$\begin{array}{r} 1184 \\ 5 \mid 5923 \\ \underline{5} \\ - \end{array}$$

```

9
5
-
42
40
--
23
20
--
3 ← remainder

```

$$5923 \div 7 = 846 \text{ remainder } 1$$

```

      846
7 | 5923
   56
   --
   32
   28
   --
   43
   42
   --
   1 ← remainder

```

$$5923 \div 11 = 538 \text{ remainder } 5$$

```

      538
11 | 5923
   55
   --
   42
   33
   --
   93
   88
   --
   5 ← remainder

```

$$5923 \div 13 = 455 \text{ remainder } 8$$

```

      455
13 | 5923
   52

```

```

--
72
65
--
73
65
--
8 ← remainder

```

$$5923 \div 17 = 348 \text{ remainder } 7$$

```

      348
17 | 5923
    51
    --
    82
    68
    --
    143
    136
    ---
    7 ← remainder

```

$$5923 \div 19 = 311 \text{ remainder } 14$$

```

      311
19 | 5923
    57
    --
    22
    19
    --
    33
    19
    --
    14 ← remainder

```

$$5923 \div 23 = 257 \text{ remainder } 12$$

```

      257
23 | 5923
    46
    --
    132

```

```

115
---
173
161
---
12 ← remainder

```

$$5923 \div 29 = 204 \text{ remainder } 7$$

```

      204
29 | 5923
    58
    --
     12
     0
     -
     123
     116
     ---
      7 ← remainder

```

$$5923 \div 31 = 191 \text{ remainder } 2$$

```

      191
31 | 5923
    31
    --
     282
     279
     ---
      33
      31
      --
       2 ← remainder

```

$$5923 \div 37 = 160 \text{ remainder } 3$$

```

      160
37 | 5923
    37
    --
     222
     222
     ---

```



```

  3
  0
  -
  3 ← remainder

```

$$5923 \div 41 = 144 \text{ remainder } 19$$

```

    144
41 | 5923
    41
    --
    182
    164
    ---
    183
    164
    ---
    19 ← remainder

```

$$5923 \div 43 = 137 \text{ remainder } 32$$

```

    137
43 | 5923
    43
    --
    162
    129
    ---
    333
    301
    ---
    32 ← remainder

```

$$5923 \div 47 = 126 \text{ remainder } 1$$

```

    126
47 | 5923
    47
    --
    122
    94
    --
    283
    282

```

1 ← remainder

$$5923 \div 53 = 111 \text{ remainder } 40$$

$$\begin{array}{r} 111 \\ 53 \overline{) 5923} \\ \underline{53} \end{array}$$

--

62

53

--

93

53

--

40 ← remainder

$$5923 \div 59 = 100 \text{ remainder } 23$$

$$\begin{array}{r} 100 \\ 59 \overline{) 5923} \\ \underline{59} \end{array}$$

--

2

0

-

23

0

-

23 ← remainder

$$5923 \div 61 = 97 \text{ remainder } 6$$

$$\begin{array}{r} 97 \\ 61 \overline{) 5923} \\ \underline{549} \end{array}$$

433

427

6 ← remainder

$$5923 \div 67 = 88 \text{ remainder } 27$$

$$\begin{array}{r}
 88 \\
 67 \mid 5923 \\
 \underline{536} \\
 --- \\
 563 \\
 \underline{536} \\
 --- \\
 27 \leftarrow \text{remainder}
 \end{array}$$

$$5923 \div 71 = 83 \text{ remainder } 30$$

$$\begin{array}{r}
 83 \\
 71 \mid 5923 \\
 \underline{568} \\
 --- \\
 243 \\
 \underline{213} \\
 --- \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$5923 \div 73 = 81 \text{ remainder } 10$$

$$\begin{array}{r}
 81 \\
 73 \mid 5923 \\
 \underline{584} \\
 --- \\
 83 \\
 \underline{73} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

P₇₇₉ 5927

$$5927 \div 2 = 2963 \text{ remainder } 1$$

$$\begin{array}{r} 2963 \\ 2 \mid 5927 \\ 4 \\ - \\ 19 \\ 18 \\ - - \\ 12 \\ 12 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5927 \div 3 = 1975 \text{ remainder } 2$$

$$\begin{array}{r} 1975 \\ 3 \mid 5927 \\ 3 \\ - \\ 29 \\ 27 \\ - - \\ 22 \\ 21 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5927 \div 5 = 1185 \text{ remainder } 2$$

$$\begin{array}{r} 1185 \\ 5 \mid 5927 \\ 5 \\ - \end{array}$$

```

9
5
-
42
40
--
27
25
--
2 ← remainder

```

$$5927 \div 7 = 846 \text{ remainder } 5$$

```

      846
7 | 5927
   56
   --
   32
   28
   --
   47
   42
   --
   5 ← remainder

```

$$5927 \div 11 = 538 \text{ remainder } 9$$

```

      538
11 | 5927
   55
   --
   42
   33
   --
   97
   88
   --
   9 ← remainder

```

$$5927 \div 13 = 455 \text{ remainder } 12$$

```

      455
13 | 5927
   52

```

```

--
72
65
--
77
65
--
12 ← remainder

```

$$5927 \div 17 = 348 \text{ remainder } 11$$

```

      348
17 | 5927
    51
    --
     82
     68
     --
    147
    136
    ---
    11 ← remainder

```

$$5927 \div 19 = 311 \text{ remainder } 18$$

```

      311
19 | 5927
    57
    --
     22
     19
     --
     37
     19
     --
     18 ← remainder

```

$$5927 \div 23 = 257 \text{ remainder } 16$$

```

      257
23 | 5927
    46
    --
    132

```

```

115
---
177
161
---
16 ← remainder

```

$$5927 \div 29 = 204 \text{ remainder } 11$$

```

      204
29 | 5927
    58
    --
    12
    0
    -
    127
    116
    ---
    11 ← remainder

```

$$5927 \div 31 = 191 \text{ remainder } 6$$

```

      191
31 | 5927
    31
    --
    282
    279
    ---
    37
    31
    --
    6 ← remainder

```

$$5927 \div 37 = 160 \text{ remainder } 7$$

```

      160
37 | 5927
    37
    --
    222
    222
    ---

```

```

  7
  0
  -
  7 ← remainder

```

$$5927 \div 41 = 144 \text{ remainder } 23$$

```

    144
41 | 5927
    41
    --
    182
    164
    ---
    187
    164
    ---
    23 ← remainder

```

$$5927 \div 43 = 137 \text{ remainder } 36$$

```

    137
43 | 5927
    43
    --
    162
    129
    ---
    337
    301
    ---
    36 ← remainder

```

$$5927 \div 47 = 126 \text{ remainder } 5$$

```

    126
47 | 5927
    47
    --
    122
    94
    --
    287
    282

```

5 ← remainder

$$5927 \div 53 = 111 \text{ remainder } 44$$

```
      111
53 | 5927
    53
    --
     62
     53
     --
      97
      53
      --
      44 ← remainder
```

$$5927 \div 59 = 100 \text{ remainder } 27$$

```
      100
59 | 5927
    59
    --
     2
     0
     -
     27
     0
     -
     27 ← remainder
```

$$5927 \div 61 = 97 \text{ remainder } 10$$

```
      97
61 | 5927
    549
    ---
     437
     427
     ---
      10 ← remainder
```

$$5927 \div 67 = 88 \text{ remainder } 31$$

$$\begin{array}{r}
 88 \\
 67 \mid 5927 \\
 \underline{536} \\
 --- \\
 567 \\
 \underline{536} \\
 --- \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$5927 \div 71 = 83 \text{ remainder } 34$$

$$\begin{array}{r}
 83 \\
 71 \mid 5927 \\
 \underline{568} \\
 --- \\
 247 \\
 \underline{213} \\
 --- \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$5927 \div 73 = 81 \text{ remainder } 14$$

$$\begin{array}{r}
 81 \\
 73 \mid 5927 \\
 \underline{584} \\
 --- \\
 87 \\
 \underline{73} \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₀ 5939

$$5939 \div 2 = 2969 \text{ remainder } 1$$

$$\begin{array}{r} 2969 \\ 2 \mid 5939 \\ 4 \\ - \\ 19 \\ 18 \\ - - \\ 13 \\ 12 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5939 \div 3 = 1979 \text{ remainder } 2$$

$$\begin{array}{r} 1979 \\ 3 \mid 5939 \\ 3 \\ - \\ 29 \\ 27 \\ - - \\ 23 \\ 21 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5939 \div 5 = 1187 \text{ remainder } 4$$

$$\begin{array}{r} 1187 \\ 5 \mid 5939 \\ 5 \\ - \end{array}$$

```

9
5
-
43
40
--
39
35
--
4 ← remainder

```

$$5939 \div 7 = 848 \text{ remainder } 3$$

```

      848
7 | 5939
   56
   --
   33
   28
   --
   59
   56
   --
   3 ← remainder

```

$$5939 \div 11 = 539 \text{ remainder } 10$$

```

      539
11 | 5939
   55
   --
   43
   33
   --
  109
   99
   --
  10 ← remainder

```

$$5939 \div 13 = 456 \text{ remainder } 11$$

```

      456
13 | 5939
   52

```

```

--
73
65
--
89
78
--
11 ← remainder

```

$$5939 \div 17 = 349 \text{ remainder } 6$$

```

      349
17 | 5939
    51
    --
     83
     68
     --
    159
    153
    ---
     6 ← remainder

```

$$5939 \div 19 = 312 \text{ remainder } 11$$

```

      312
19 | 5939
    57
    --
     23
     19
     --
     49
     38
     --
    11 ← remainder

```

$$5939 \div 23 = 258 \text{ remainder } 5$$

```

      258
23 | 5939
    46
    --
    133

```

```

115
---
189
184
---
5 ← remainder

```

$$5939 \div 29 = 204 \text{ remainder } 23$$

```

      204
29 | 5939
    58
    --
    13
    0
    -
    139
    116
    ---
    23 ← remainder

```

$$5939 \div 31 = 191 \text{ remainder } 18$$

```

      191
31 | 5939
    31
    --
    283
    279
    ---
    49
    31
    --
    18 ← remainder

```

$$5939 \div 37 = 160 \text{ remainder } 19$$

```

      160
37 | 5939
    37
    --
    223
    222
    ---

```

```

19
0
-
19 ← remainder

```

$$5939 \div 41 = 144 \text{ remainder } 35$$

```

144
41 | 5939
   41
   --
   183
   164
   ---
   199
   164
   ---
   35 ← remainder

```

$$5939 \div 43 = 138 \text{ remainder } 5$$

```

138
43 | 5939
   43
   --
   163
   129
   ---
   349
   344
   ---
   5 ← remainder

```

$$5939 \div 47 = 126 \text{ remainder } 17$$

```

126
47 | 5939
   47
   --
   123
   94
   --
   299
   282

```

17 ← remainder

$$5939 \div 53 = 112 \text{ remainder } 3$$

```
    112
53 | 5939
    53
    --
    63
    53
    --
    109
    106
    ---
    3 ← remainder
```

$$5939 \div 59 = 100 \text{ remainder } 39$$

```
    100
59 | 5939
    59
    --
    3
    0
    -
    39
    0
    -
    39 ← remainder
```

$$5939 \div 61 = 97 \text{ remainder } 22$$

```
    97
61 | 5939
    549
    ---
    449
    427
    ---
    22 ← remainder
```

$$5939 \div 67 = 88 \text{ remainder } 43$$

$$\begin{array}{r}
 88 \\
 67 \mid 5939 \\
 \underline{536} \\
 --- \\
 579 \\
 \underline{536} \\
 --- \\
 43 \leftarrow \text{remainder}
 \end{array}$$

$$5939 \div 71 = 83 \text{ remainder } 46$$

$$\begin{array}{r}
 83 \\
 71 \mid 5939 \\
 \underline{568} \\
 --- \\
 259 \\
 \underline{213} \\
 --- \\
 46 \leftarrow \text{remainder}
 \end{array}$$

$$5939 \div 73 = 81 \text{ remainder } 26$$

$$\begin{array}{r}
 81 \\
 73 \mid 5939 \\
 \underline{584} \\
 --- \\
 99 \\
 \underline{73} \\
 --- \\
 26 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₁ 5953

$$5953 \div 2 = 2976 \text{ remainder } 1$$

$$\begin{array}{r} 2976 \\ 2 \mid 5953 \\ 4 \\ - \\ 19 \\ 18 \\ - - \\ 15 \\ 14 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5953 \div 3 = 1984 \text{ remainder } 1$$

$$\begin{array}{r} 1984 \\ 3 \mid 5953 \\ 3 \\ - \\ 29 \\ 27 \\ - - \\ 25 \\ 24 \\ - - \\ 13 \\ 12 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5953 \div 5 = 1190 \text{ remainder } 3$$

$$\begin{array}{r} 1190 \\ 5 \mid 5953 \\ 5 \\ - \end{array}$$

```

  9
  5
  -
 45
 45
  --
  3
  0
  -
  3 ← remainder

```

$$5953 \div 7 = 850 \text{ remainder } 3$$

```

    850
7 | 5953
   56
   --
   35
   35
   --
    3
    0
    -
    3 ← remainder

```

$$5953 \div 11 = 541 \text{ remainder } 2$$

```

    541
11 | 5953
   55
   --
   45
   44
   --
   13
   11
   --
    2 ← remainder

```

$$5953 \div 13 = 457 \text{ remainder } 12$$

```

    457
13 | 5953
   52

```

```

--
75
65
--
103
91
--
12 ← remainder

```

$$5953 \div 17 = 350 \text{ remainder } 3$$

```

      350
17 | 5953
    51
    --
     85
     85
     --
      3
      0
      -
      3 ← remainder

```

$$5953 \div 19 = 313 \text{ remainder } 6$$

```

      313
19 | 5953
    57
    --
     25
     19
     --
      63
      57
      --
       6 ← remainder

```

$$5953 \div 23 = 258 \text{ remainder } 19$$

```

      258
23 | 5953
    46
    --
     135

```

```

115
---
203
184
---
19 ← remainder

```

$$5953 \div 29 = 205 \text{ remainder } 8$$

```

      205
29 | 5953
    58
    --
     15
     0
     -
     153
     145
     ---
      8 ← remainder

```

$$5953 \div 31 = 192 \text{ remainder } 1$$

```

      192
31 | 5953
    31
    --
     285
     279
     ---
      63
      62
      --
       1 ← remainder

```

$$5953 \div 37 = 160 \text{ remainder } 33$$

```

      160
37 | 5953
    37
    --
     225
     222
     ---

```

```

33
0
-
33 ← remainder

```

$$5953 \div 41 = 145 \text{ remainder } 8$$

```

145
41 | 5953
   41
   --
   185
   164
   ---
   213
   205
   ---
   8 ← remainder

```

$$5953 \div 43 = 138 \text{ remainder } 19$$

```

138
43 | 5953
   43
   --
   165
   129
   ---
   363
   344
   ---
   19 ← remainder

```

$$5953 \div 47 = 126 \text{ remainder } 31$$

```

126
47 | 5953
   47
   --
   125
   94
   --
   313
   282

```

31 ← remainder

$$5953 \div 53 = 112 \text{ remainder } 17$$

```
    112
53 | 5953
    53
    --
    65
    53
    --
    123
    106
    ---
    17 ← remainder
```

$$5953 \div 59 = 100 \text{ remainder } 53$$

```
    100
59 | 5953
    59
    --
     5
     0
     -
    53
     0
     -
    53 ← remainder
```

$$5953 \div 61 = 97 \text{ remainder } 36$$

```
     97
61 | 5953
    549
    ---
    463
    427
    ---
    36 ← remainder
```

$$5953 \div 67 = 88 \text{ remainder } 57$$

$$\begin{array}{r}
 88 \\
 67 \mid 5953 \\
 \underline{536} \\
 --- \\
 593 \\
 \underline{536} \\
 --- \\
 57 \leftarrow \text{remainder}
 \end{array}$$

$$5953 \div 71 = 83 \text{ remainder } 60$$

$$\begin{array}{r}
 83 \\
 71 \mid 5953 \\
 \underline{568} \\
 --- \\
 273 \\
 \underline{213} \\
 --- \\
 60 \leftarrow \text{remainder}
 \end{array}$$

$$5953 \div 73 = 81 \text{ remainder } 40$$

$$\begin{array}{r}
 81 \\
 73 \mid 5953 \\
 \underline{584} \\
 --- \\
 113 \\
 \underline{73} \\
 --- \\
 40 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₂ 5981

$$5981 \div 2 = 2990 \text{ remainder } 1$$

$$\begin{array}{r} 2990 \\ 2 \mid 5981 \\ \underline{4} \\ 19 \\ \underline{18} \\ 18 \\ \underline{18} \\ 0 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5981 \div 3 = 1993 \text{ remainder } 2$$

$$\begin{array}{r} 1993 \\ 3 \mid 5981 \\ \underline{3} \\ 29 \\ \underline{27} \\ 28 \\ \underline{27} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5981 \div 5 = 1196 \text{ remainder } 1$$

$$\begin{array}{r} 1196 \\ 5 \mid 5981 \\ \underline{5} \\ \end{array}$$

```

9
5
-
48
45
--
31
30
--
1 ← remainder

```

$$5981 \div 7 = 854 \text{ remainder } 3$$

```

      854
7 | 5981
   56
   --
   38
   35
   --
   31
   28
   --
   3 ← remainder

```

$$5981 \div 11 = 543 \text{ remainder } 8$$

```

      543
11 | 5981
   55
   --
   48
   44
   --
   41
   33
   --
   8 ← remainder

```

$$5981 \div 13 = 460 \text{ remainder } 1$$

```

      460
13 | 5981
   52

```

```

--
78
78
--
1
0
-
1 ← remainder

```

$$5981 \div 17 = 351 \text{ remainder } 14$$

```

      351
17 | 5981
    51
    --
    88
    85
    --
    31
    17
    --
    14 ← remainder

```

$$5981 \div 19 = 314 \text{ remainder } 15$$

```

      314
19 | 5981
    57
    --
    28
    19
    --
    91
    76
    --
    15 ← remainder

```

$$5981 \div 23 = 260 \text{ remainder } 1$$

```

      260
23 | 5981
    46
    --
    138

```

```

138
---
1
0
-
1 ← remainder

```

$$5981 \div 29 = 206 \text{ remainder } 7$$

```

      206
29 | 5981
    58
    --
    18
    0
    -
    181
    174
    ---
    7 ← remainder

```

$$5981 \div 31 = 192 \text{ remainder } 29$$

```

      192
31 | 5981
    31
    --
    288
    279
    ---
    91
    62
    --
    29 ← remainder

```

$$5981 \div 37 = 161 \text{ remainder } 24$$

```

      161
37 | 5981
    37
    --
    228
    222
    ---

```

```

61
37
--
24 ← remainder

```

$$5981 \div 41 = 145 \text{ remainder } 36$$

```

145
41 | 5981
   41
   --
   188
   164
   ---
   241
   205
   ---
   36 ← remainder

```

$$5981 \div 43 = 139 \text{ remainder } 4$$

```

139
43 | 5981
   43
   --
   168
   129
   ---
   391
   387
   ---
   4 ← remainder

```

$$5981 \div 47 = 127 \text{ remainder } 12$$

```

127
47 | 5981
   47
   --
   128
   94
   --
   341
   329

```

12 ← remainder

$$5981 \div 53 = 112 \text{ remainder } 45$$

$$\begin{array}{r} 112 \\ 53 \overline{) 5981} \end{array}$$

53

--

68

53

--

151

106

45 ← remainder

$$5981 \div 59 = 101 \text{ remainder } 22$$

$$\begin{array}{r} 101 \\ 59 \overline{) 5981} \end{array}$$

59

--

8

0

-

81

59

--

22 ← remainder

$$5981 \div 61 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 61 \overline{) 5981} \end{array}$$

549

491

488

3 ← remainder

$$5981 \div 67 = 89 \text{ remainder } 18$$

$$\begin{array}{r}
 89 \\
 67 \overline{) 5981} \\
 \underline{536} \\
 621 \\
 \underline{603} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$5981 \div 71 = 84 \text{ remainder } 17$$

$$\begin{array}{r}
 84 \\
 71 \overline{) 5981} \\
 \underline{568} \\
 301 \\
 \underline{284} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$5981 \div 73 = 81 \text{ remainder } 68$$

$$\begin{array}{r}
 81 \\
 73 \overline{) 5981} \\
 \underline{584} \\
 141 \\
 \underline{73} \\
 68 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₃ 5987

$$5987 \div 2 = 2993 \text{ remainder } 1$$

$$\begin{array}{r} 2993 \\ 2 \mid 5987 \\ 4 \\ - \\ 19 \\ 18 \\ - - \\ 18 \\ 18 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$5987 \div 3 = 1995 \text{ remainder } 2$$

$$\begin{array}{r} 1995 \\ 3 \mid 5987 \\ 3 \\ - \\ 29 \\ 27 \\ - - \\ 28 \\ 27 \\ - - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$5987 \div 5 = 1197 \text{ remainder } 2$$

$$\begin{array}{r} 1197 \\ 5 \mid 5987 \\ 5 \\ - \end{array}$$


```

9
5
-
48
45
--
37
35
--
2 ← remainder

```

$$5987 \div 7 = 855 \text{ remainder } 2$$

```

      855
7 | 5987
   56
   --
   38
   35
   --
   37
   35
   --
   2 ← remainder

```

$$5987 \div 11 = 544 \text{ remainder } 3$$

```

      544
11 | 5987
   55
   --
   48
   44
   --
   47
   44
   --
   3 ← remainder

```

$$5987 \div 13 = 460 \text{ remainder } 7$$

```

      460
13 | 5987
   52

```

```

--
78
78
--
7
0
-
7 ← remainder

```

$$5987 \div 17 = 352 \text{ remainder } 3$$

```

      352
17 | 5987
    51
    --
     88
     85
     --
     37
     34
     --
      3 ← remainder

```

$$5987 \div 19 = 315 \text{ remainder } 2$$

```

      315
19 | 5987
    57
    --
     28
     19
     --
     97
     95
     --
      2 ← remainder

```

$$5987 \div 23 = 260 \text{ remainder } 7$$

```

      260
23 | 5987
    46
    --
    138

```

```

138
---
7
0
-
-
7 ← remainder

```

$$5987 \div 29 = 206 \text{ remainder } 13$$

```

      206
29 | 5987
    58
    --
    18
    0
    -
    187
    174
    ---
    13 ← remainder

```

$$5987 \div 31 = 193 \text{ remainder } 4$$

```

      193
31 | 5987
    31
    --
    288
    279
    ---
    97
    93
    --
    4 ← remainder

```

$$5987 \div 37 = 161 \text{ remainder } 30$$

```

      161
37 | 5987
    37
    --
    228
    222
    ---

```

67
 37
 --
 30 ← remainder

$$5987 \div 41 = 146 \text{ remainder } 1$$

146
 41 | 5987
 41
 --
 188
 164

 247
 246

 1 ← remainder

$$5987 \div 43 = 139 \text{ remainder } 10$$

139
 43 | 5987
 43
 --
 168
 129

 397
 387

 10 ← remainder

$$5987 \div 47 = 127 \text{ remainder } 18$$

127
 47 | 5987
 47
 --
 128
 94
 --
 347
 329

18 ← remainder

$$5987 \div 53 = 112 \text{ remainder } 51$$

$$\begin{array}{r} 112 \\ 53 \overline{) 5987} \\ \underline{53} \end{array}$$

--

68

53

--

157

106

51 ← remainder

$$5987 \div 59 = 101 \text{ remainder } 28$$

$$\begin{array}{r} 101 \\ 59 \overline{) 5987} \\ \underline{59} \end{array}$$

--

8

0

-

87

59

--

28 ← remainder

$$5987 \div 61 = 98 \text{ remainder } 9$$

$$\begin{array}{r} 98 \\ 61 \overline{) 5987} \\ \underline{549} \end{array}$$

497

488

9 ← remainder

$$5987 \div 67 = 89 \text{ remainder } 24$$

$$\begin{array}{r}
 89 \\
 67 \mid 5987 \\
 \underline{536} \\
 --- \\
 627 \\
 \underline{603} \\
 --- \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$5987 \div 71 = 84 \text{ remainder } 23$$

$$\begin{array}{r}
 84 \\
 71 \mid 5987 \\
 \underline{568} \\
 --- \\
 307 \\
 \underline{284} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$5987 \div 73 = 82 \text{ remainder } 1$$

$$\begin{array}{r}
 82 \\
 73 \mid 5987 \\
 \underline{584} \\
 --- \\
 147 \\
 \underline{146} \\
 --- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₄ 6007

$$6007 \div 2 = 3003 \text{ remainder } 1$$

$$\begin{array}{r} 3003 \\ 2 \mid 6007 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6007 \div 3 = 2002 \text{ remainder } 1$$

$$\begin{array}{r} 2002 \\ 3 \mid 6007 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6007 \div 5 = 1201 \text{ remainder } 2$$

$$\begin{array}{r} 1201 \\ 5 \mid 6007 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
0
0
-
7
5
-
2 ← remainder

```

$$6007 \div 7 = 858 \text{ remainder } 1$$

```

      858
7 | 6007
  56
  --
   40
   35
   --
   57
   56
   --
   1 ← remainder

```

$$6007 \div 11 = 546 \text{ remainder } 1$$

```

      546
11 | 6007
   55
   --
   50
   44
   --
   67
   66
   --
   1 ← remainder

```

$$6007 \div 13 = 462 \text{ remainder } 1$$

```

      462
13 | 6007
   52

```



```

--
80
78
--
27
26
--
1 ← remainder

```

$$6007 \div 17 = 353 \text{ remainder } 6$$

```

      353
17 | 6007
    51
    --
    90
    85
    --
    57
    51
    --
    6 ← remainder

```

$$6007 \div 19 = 316 \text{ remainder } 3$$

```

      316
19 | 6007
    57
    --
    30
    19
    --
    117
    114
    ---
    3 ← remainder

```

$$6007 \div 23 = 261 \text{ remainder } 4$$

```

      261
23 | 6007
    46
    --
    140

```

```

138
---
27
23
--
4 ← remainder

```

$$6007 \div 29 = 207 \text{ remainder } 4$$

```

      207
29 | 6007
    58
    --
    20
    0
    -
    207
    203
    ---
    4 ← remainder

```

$$6007 \div 31 = 193 \text{ remainder } 24$$

```

      193
31 | 6007
    31
    --
    290
    279
    ---
    117
    93
    --
    24 ← remainder

```

$$6007 \div 37 = 162 \text{ remainder } 13$$

```

      162
37 | 6007
    37
    --
    230
    222
    ---

```

```

87
74
--
13 ← remainder

```

$$6007 \div 41 = 146 \text{ remainder } 21$$

```

146
41 | 6007
   41
   --
   190
   164
   ---
   267
   246
   ---
   21 ← remainder

```

$$6007 \div 43 = 139 \text{ remainder } 30$$

```

139
43 | 6007
   43
   --
   170
   129
   ---
   417
   387
   ---
   30 ← remainder

```

$$6007 \div 47 = 127 \text{ remainder } 38$$

```

127
47 | 6007
   47
   --
   130
   94
   --
   367
   329

```

38 ← remainder

$$6007 \div 53 = 113 \text{ remainder } 18$$

```
    113
53 | 6007
    53
    --
    70
    53
    --
    177
    159
    ---
    18 ← remainder
```

$$6007 \div 59 = 101 \text{ remainder } 48$$

```
    101
59 | 6007
    59
    --
    10
    0
    -
    107
    59
    --
    48 ← remainder
```

$$6007 \div 61 = 98 \text{ remainder } 29$$

```
    98
61 | 6007
    549
    ---
    517
    488
    ---
    29 ← remainder
```

$$6007 \div 67 = 89 \text{ remainder } 44$$

$$\begin{array}{r}
 89 \\
 67 \overline{) 6007} \\
 \underline{536} \\
 647 \\
 \underline{603} \\
 44 \leftarrow \text{remainder}
 \end{array}$$

$$6007 \div 71 = 84 \text{ remainder } 43$$

$$\begin{array}{r}
 84 \\
 71 \overline{) 6007} \\
 \underline{568} \\
 327 \\
 \underline{284} \\
 43 \leftarrow \text{remainder}
 \end{array}$$

$$6007 \div 73 = 82 \text{ remainder } 21$$

$$\begin{array}{r}
 82 \\
 73 \overline{) 6007} \\
 \underline{584} \\
 167 \\
 \underline{146} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₅ 6011

$$6011 \div 2 = 3005 \text{ remainder } 1$$

$$\begin{array}{r} 3005 \\ 2 \mid 6011 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6011 \div 3 = 2003 \text{ remainder } 2$$

$$\begin{array}{r} 2003 \\ 3 \mid 6011 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6011 \div 5 = 1202 \text{ remainder } 1$$

$$\begin{array}{r} 1202 \\ 5 \mid 6011 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
1
0
-
11
10
--
1 ← remainder

```

$$6011 \div 7 = 858 \text{ remainder } 5$$

```

      858
7 | 6011
   56
   --
   41
   35
   --
   61
   56
   --
   5 ← remainder

```

$$6011 \div 11 = 546 \text{ remainder } 5$$

```

      546
11 | 6011
   55
   --
   51
   44
   --
   71
   66
   --
   5 ← remainder

```

$$6011 \div 13 = 462 \text{ remainder } 5$$

```

      462
13 | 6011
   52

```

```

--
81
78
--
31
26
--
5 ← remainder

```

$$6011 \div 17 = 353 \text{ remainder } 10$$

```

      353
17 | 6011
    51
    --
    91
    85
    --
    61
    51
    --
    10 ← remainder

```

$$6011 \div 19 = 316 \text{ remainder } 7$$

```

      316
19 | 6011
    57
    --
    31
    19
    --
    121
    114
    ---
    7 ← remainder

```

$$6011 \div 23 = 261 \text{ remainder } 8$$

```

      261
23 | 6011
    46
    --
    141

```



```

138
---
31
23
--
8 ← remainder

```

$$6011 \div 29 = 207 \text{ remainder } 8$$

```

      207
29 | 6011
    58
    --
    21
    0
    -
    211
    203
    ---
    8 ← remainder

```

$$6011 \div 31 = 193 \text{ remainder } 28$$

```

      193
31 | 6011
    31
    --
    291
    279
    ---
    121
    93
    --
    28 ← remainder

```

$$6011 \div 37 = 162 \text{ remainder } 17$$

```

      162
37 | 6011
    37
    --
    231
    222
    ---

```

```

91
74
--
17 ← remainder

```

$$6011 \div 41 = 146 \text{ remainder } 25$$

```

146
41 | 6011
   41
   --
   191
   164
   ---
   271
   246
   ---
   25 ← remainder

```

$$6011 \div 43 = 139 \text{ remainder } 34$$

```

139
43 | 6011
   43
   --
   171
   129
   ---
   421
   387
   ---
   34 ← remainder

```

$$6011 \div 47 = 127 \text{ remainder } 42$$

```

127
47 | 6011
   47
   --
   131
   94
   --
   371
   329

```

42 ← remainder

$$6011 \div 53 = 113 \text{ remainder } 22$$

```
    113
53 | 6011
    53
    --
    71
    53
    --
    181
    159
    ---
    22 ← remainder
```

$$6011 \div 59 = 101 \text{ remainder } 52$$

```
    101
59 | 6011
    59
    --
    11
    0
    -
    111
    59
    --
    52 ← remainder
```

$$6011 \div 61 = 98 \text{ remainder } 33$$

```
    98
61 | 6011
    549
    ---
    521
    488
    ---
    33 ← remainder
```

$$6011 \div 67 = 89 \text{ remainder } 48$$

```

      89
67 | 6011
    536
    ---
    651
    603
    ---
    48 ← remainder

```

$6011 \div 71 = 84 \text{ remainder } 47$

```

      84
71 | 6011
    568
    ---
    331
    284
    ---
    47 ← remainder

```

$6011 \div 73 = 82 \text{ remainder } 25$

```

      82
73 | 6011
    584
    ---
    171
    146
    ---
    25 ← remainder

```

P₇₈₆ 6029

$$6029 \div 2 = 3014 \text{ remainder } 1$$

$$\begin{array}{r} 3014 \\ 2 \mid 6029 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6029 \div 3 = 2009 \text{ remainder } 2$$

$$\begin{array}{r} 2009 \\ 3 \mid 6029 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6029 \div 5 = 1205 \text{ remainder } 4$$

$$\begin{array}{r} 1205 \\ 5 \mid 6029 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
2
0
-
29
25
--
4 ← remainder

```

$$6029 \div 7 = 861 \text{ remainder } 2$$

```

      861
7 | 6029
  56
  --
   42
   42
   --
    9
    7
    -
    2 ← remainder

```

$$6029 \div 11 = 548 \text{ remainder } 1$$

```

      548
11 | 6029
   55
   --
   52
   44
   --
   89
   88
   --
    1 ← remainder

```

$$6029 \div 13 = 463 \text{ remainder } 10$$

```

      463
13 | 6029
   52

```

```

--
82
78
--
49
39
--
10 ← remainder

```

$$6029 \div 17 = 354 \text{ remainder } 11$$

```

      354
17 | 6029
    51
    --
    92
    85
    --
    79
    68
    --
    11 ← remainder

```

$$6029 \div 19 = 317 \text{ remainder } 6$$

```

      317
19 | 6029
    57
    --
    32
    19
    --
    139
    133
    ---
    6 ← remainder

```

$$6029 \div 23 = 262 \text{ remainder } 3$$

```

      262
23 | 6029
    46
    --
    142

```

```

138
---
49
46
--
3 ← remainder

```

$$6029 \div 29 = 207 \text{ remainder } 26$$

```

      207
29 | 6029
    58
    --
    22
    0
    -
    229
    203
    ---
    26 ← remainder

```

$$6029 \div 31 = 194 \text{ remainder } 15$$

```

      194
31 | 6029
    31
    --
    292
    279
    ---
    139
    124
    ---
    15 ← remainder

```

$$6029 \div 37 = 162 \text{ remainder } 35$$

```

      162
37 | 6029
    37
    --
    232
    222
    ---

```



```

109
74
--
35 ← remainder

```

$$6029 \div 41 = 147 \text{ remainder } 2$$

```

147
41 | 6029
   41
   --
   192
   164
   ---
   289
   287
   ---
   2 ← remainder

```

$$6029 \div 43 = 140 \text{ remainder } 9$$

```

140
43 | 6029
   43
   --
   172
   172
   ---
   9
   0
   -
   9 ← remainder

```

$$6029 \div 47 = 128 \text{ remainder } 13$$

```

128
47 | 6029
   47
   --
   132
   94
   --
   389
   376

```

13 ← remainder

$$6029 \div 53 = 113 \text{ remainder } 40$$

```
    113
53 | 6029
    53
    --
    72
    53
    --
    199
    159
    ---
    40 ← remainder
```

$$6029 \div 59 = 102 \text{ remainder } 11$$

```
    102
59 | 6029
    59
    --
    12
    0
    -
    129
    118
    ---
    11 ← remainder
```

$$6029 \div 61 = 98 \text{ remainder } 51$$

```
    98
61 | 6029
    549
    ---
    539
    488
    ---
    51 ← remainder
```

$$6029 \div 67 = 89 \text{ remainder } 66$$

$$\begin{array}{r}
 89 \\
 67 \mid 6029 \\
 \underline{536} \\
 --- \\
 669 \\
 \underline{603} \\
 --- \\
 66 \leftarrow \text{remainder}
 \end{array}$$

$$6029 \div 71 = 84 \text{ remainder } 65$$

$$\begin{array}{r}
 84 \\
 71 \mid 6029 \\
 \underline{568} \\
 --- \\
 349 \\
 \underline{284} \\
 --- \\
 65 \leftarrow \text{remainder}
 \end{array}$$

$$6029 \div 73 = 82 \text{ remainder } 43$$

$$\begin{array}{r}
 82 \\
 73 \mid 6029 \\
 \underline{584} \\
 --- \\
 189 \\
 \underline{146} \\
 --- \\
 43 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₇ 6037

$$6037 \div 2 = 3018 \text{ remainder } 1$$

$$\begin{array}{r} 3018 \\ 2 \mid 6037 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6037 \div 3 = 2012 \text{ remainder } 1$$

$$\begin{array}{r} 2012 \\ 3 \mid 6037 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6037 \div 5 = 1207 \text{ remainder } 2$$

$$\begin{array}{r} 1207 \\ 5 \mid 6037 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
3
0
-
37
35
--
2 ← remainder

```

$$6037 \div 7 = 862 \text{ remainder } 3$$

```

      862
7 | 6037
   56
   --
   43
   42
   --
   17
   14
   --
   3 ← remainder

```

$$6037 \div 11 = 548 \text{ remainder } 9$$

```

      548
11 | 6037
   55
   --
   53
   44
   --
   97
   88
   --
   9 ← remainder

```

$$6037 \div 13 = 464 \text{ remainder } 5$$

```

      464
13 | 6037
   52

```

```

--
83
78
--
57
52
--
5 ← remainder

```

$$6037 \div 17 = 355 \text{ remainder } 2$$

```

      355
17 | 6037
    51
    --
    93
    85
    --
    87
    85
    --
    2 ← remainder

```

$$6037 \div 19 = 317 \text{ remainder } 14$$

```

      317
19 | 6037
    57
    --
    33
    19
    --
    147
    133
    ---
    14 ← remainder

```

$$6037 \div 23 = 262 \text{ remainder } 11$$

```

      262
23 | 6037
    46
    --
    143

```

```

138
---
57
46
--
11 ← remainder

```

$$6037 \div 29 = 208 \text{ remainder } 5$$

```

      208
29 | 6037
    58
    --
    23
    0
    -
    237
    232
    ---
    5 ← remainder

```

$$6037 \div 31 = 194 \text{ remainder } 23$$

```

      194
31 | 6037
    31
    --
    293
    279
    ---
    147
    124
    ---
    23 ← remainder

```

$$6037 \div 37 = 163 \text{ remainder } 6$$

```

      163
37 | 6037
    37
    --
    233
    222
    ---

```

```

117
111
---
6 ← remainder

```

$$6037 \div 41 = 147 \text{ remainder } 10$$

```

147
41 | 6037
   41
   --
   193
   164
   ---
   297
   287
   ---
   10 ← remainder

```

$$6037 \div 43 = 140 \text{ remainder } 17$$

```

140
43 | 6037
   43
   --
   173
   172
   ---
   17
   0
   -
   17 ← remainder

```

$$6037 \div 47 = 128 \text{ remainder } 21$$

```

128
47 | 6037
   47
   --
   133
   94
   --
   397
   376

```

21 ← remainder

$$6037 \div 53 = 113 \text{ remainder } 48$$

113
53 | 6037
53
--
73
53
--
207
159

48 ← remainder

$$6037 \div 59 = 102 \text{ remainder } 19$$

102
59 | 6037
59
--
13
0
-
137
118

19 ← remainder

$$6037 \div 61 = 98 \text{ remainder } 59$$

98
61 | 6037
549

547
488

59 ← remainder

$$6037 \div 67 = 90 \text{ remainder } 7$$

$$\begin{array}{r}
 90 \\
 67 \mid 6037 \\
 \underline{603} \\
 70 \\
 \underline{70} \\
 0 \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$6037 \div 71 = 85 \text{ remainder } 2$$

$$\begin{array}{r}
 85 \\
 71 \mid 6037 \\
 \underline{568} \\
 357 \\
 \underline{355} \\
 2 \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$6037 \div 73 = 82 \text{ remainder } 51$$

$$\begin{array}{r}
 82 \\
 73 \mid 6037 \\
 \underline{584} \\
 197 \\
 \underline{146} \\
 51 \\
 51 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₈ 6043

$$6043 \div 2 = 3021 \text{ remainder } 1$$

$$\begin{array}{r} 3021 \\ 2 \mid 6043 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6043 \div 3 = 2014 \text{ remainder } 1$$

$$\begin{array}{r} 2014 \\ 3 \mid 6043 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6043 \div 5 = 1208 \text{ remainder } 3$$

$$\begin{array}{r} 1208 \\ 5 \mid 6043 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
4
0
-
43
40
--
3 ← remainder

```

$$6043 \div 7 = 863 \text{ remainder } 2$$

```

      863
7 | 6043
   56
   --
   44
   42
   --
   23
   21
   --
   2 ← remainder

```

$$6043 \div 11 = 549 \text{ remainder } 4$$

```

      549
11 | 6043
   55
   --
   54
   44
   --
   103
   99
   --
   4 ← remainder

```

$$6043 \div 13 = 464 \text{ remainder } 11$$

```

      464
13 | 6043
   52

```

```

--
84
78
--
63
52
--
11 ← remainder

```

$$6043 \div 17 = 355 \text{ remainder } 8$$

```

      355
17 | 6043
    51
    --
    94
    85
    --
    93
    85
    --
    8 ← remainder

```

$$6043 \div 19 = 318 \text{ remainder } 1$$

```

      318
19 | 6043
    57
    --
    34
    19
    --
    153
    152
    ---
    1 ← remainder

```

$$6043 \div 23 = 262 \text{ remainder } 17$$

```

      262
23 | 6043
    46
    --
    144

```

```

138
---
63
46
--
17 ← remainder

```

$$6043 \div 29 = 208 \text{ remainder } 11$$

```

      208
29 | 6043
    58
    --
    24
    0
    -
    243
    232
    ---
    11 ← remainder

```

$$6043 \div 31 = 194 \text{ remainder } 29$$

```

      194
31 | 6043
    31
    --
    294
    279
    ---
    153
    124
    ---
    29 ← remainder

```

$$6043 \div 37 = 163 \text{ remainder } 12$$

```

      163
37 | 6043
    37
    --
    234
    222
    ---

```

```

123
111
---
12 ← remainder

```

$$6043 \div 41 = 147 \text{ remainder } 16$$

```

147
41 | 6043
   41
   --
   194
   164
   ---
   303
   287
   ---
   16 ← remainder

```

$$6043 \div 43 = 140 \text{ remainder } 23$$

```

140
43 | 6043
   43
   --
   174
   172
   ---
   23
   0
   -
   23 ← remainder

```

$$6043 \div 47 = 128 \text{ remainder } 27$$

```

128
47 | 6043
   47
   --
   134
   94
   --
   403
   376

```

27 ← remainder

$$6043 \div 53 = 114 \text{ remainder } 1$$

114
53 | 6043
53
--
74
53
--
213
212

1 ← remainder

$$6043 \div 59 = 102 \text{ remainder } 25$$

102
59 | 6043
59
--
14
0
-
143
118

25 ← remainder

$$6043 \div 61 = 99 \text{ remainder } 4$$

99
61 | 6043
549

553
549

4 ← remainder

$$6043 \div 67 = 90 \text{ remainder } 13$$

$$\begin{array}{r}
 90 \\
 67 \mid 6043 \\
 \underline{603} \\
 13 \\
 \underline{0} \\
 - \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$6043 \div 71 = 85 \text{ remainder } 8$$

$$\begin{array}{r}
 85 \\
 71 \mid 6043 \\
 \underline{568} \\
 363 \\
 \underline{355} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$6043 \div 73 = 82 \text{ remainder } 57$$

$$\begin{array}{r}
 82 \\
 73 \mid 6043 \\
 \underline{584} \\
 203 \\
 \underline{146} \\
 57 \leftarrow \text{remainder}
 \end{array}$$

P₇₈₉ 6047

$$6047 \div 2 = 3023 \text{ remainder } 1$$

$$\begin{array}{r} 3023 \\ 2 \mid 6047 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6047 \div 3 = 2015 \text{ remainder } 2$$

$$\begin{array}{r} 2015 \\ 3 \mid 6047 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6047 \div 5 = 1209 \text{ remainder } 2$$

$$\begin{array}{r} 1209 \\ 5 \mid 6047 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
4
0
-
47
45
--
2 ← remainder

```

$$6047 \div 7 = 863 \text{ remainder } 6$$

```

      863
7 | 6047
   56
   --
   44
   42
   --
   27
   21
   --
   6 ← remainder

```

$$6047 \div 11 = 549 \text{ remainder } 8$$

```

      549
11 | 6047
   55
   --
   54
   44
   --
   107
   99
   --
   8 ← remainder

```

$$6047 \div 13 = 465 \text{ remainder } 2$$

```

      465
13 | 6047
   52

```

```

--
84
78
--
67
65
--
2 ← remainder

```

$$6047 \div 17 = 355 \text{ remainder } 12$$

```

      355
17 | 6047
    51
    --
    94
    85
    --
    97
    85
    --
    12 ← remainder

```

$$6047 \div 19 = 318 \text{ remainder } 5$$

```

      318
19 | 6047
    57
    --
    34
    19
    --
    157
    152
    ---
    5 ← remainder

```

$$6047 \div 23 = 262 \text{ remainder } 21$$

```

      262
23 | 6047
    46
    --
    144

```

```

138
---
67
46
--
21 ← remainder

```

$$6047 \div 29 = 208 \text{ remainder } 15$$

```

      208
29 | 6047
    58
    --
    24
    0
    -
    247
    232
    ---
    15 ← remainder

```

$$6047 \div 31 = 195 \text{ remainder } 2$$

```

      195
31 | 6047
    31
    --
    294
    279
    ---
    157
    155
    ---
    2 ← remainder

```

$$6047 \div 37 = 163 \text{ remainder } 16$$

```

      163
37 | 6047
    37
    --
    234
    222
    ---

```

```

127
111
---
16 ← remainder

```

$$6047 \div 41 = 147 \text{ remainder } 20$$

```

147
41 | 6047
   41
   --
   194
   164
   ---
   307
   287
   ---
   20 ← remainder

```

$$6047 \div 43 = 140 \text{ remainder } 27$$

```

140
43 | 6047
   43
   --
   174
   172
   ---
   27
   0
   -
   27 ← remainder

```

$$6047 \div 47 = 128 \text{ remainder } 31$$

```

128
47 | 6047
   47
   --
   134
   94
   --
   407
   376

```

31 ← remainder

$$6047 \div 53 = 114 \text{ remainder } 5$$

114
53 | 6047
53
--
74
53
--
217
212

5 ← remainder

$$6047 \div 59 = 102 \text{ remainder } 29$$

102
59 | 6047
59
--
14
0
-
147
118

29 ← remainder

$$6047 \div 61 = 99 \text{ remainder } 8$$

99
61 | 6047
549

557
549

8 ← remainder

$$6047 \div 67 = 90 \text{ remainder } 17$$

$$\begin{array}{r}
 90 \\
 67 \mid 6047 \\
 \underline{603} \\
 17 \\
 0 \\
 - \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$6047 \div 71 = 85 \text{ remainder } 12$$

$$\begin{array}{r}
 85 \\
 71 \mid 6047 \\
 \underline{568} \\
 367 \\
 \underline{355} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$6047 \div 73 = 82 \text{ remainder } 61$$

$$\begin{array}{r}
 82 \\
 73 \mid 6047 \\
 \underline{584} \\
 207 \\
 \underline{146} \\
 61 \leftarrow \text{remainder}
 \end{array}$$

P₇₉₀ 6053

$$6053 \div 2 = 3026 \text{ remainder } 1$$

$$\begin{array}{r} 3026 \\ 2 \mid 6053 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6053 \div 3 = 2017 \text{ remainder } 2$$

$$\begin{array}{r} 2017 \\ 3 \mid 6053 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6053 \div 5 = 1210 \text{ remainder } 3$$

$$\begin{array}{r} 1210 \\ 5 \mid 6053 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
5
5
-
3
0
-
3 ← remainder

```

$$6053 \div 7 = 864 \text{ remainder } 5$$

```

      864
7 | 6053
   56
   --
   45
   42
   --
   33
   28
   --
   5 ← remainder

```

$$6053 \div 11 = 550 \text{ remainder } 3$$

```

      550
11 | 6053
   55
   --
   55
   55
   --
   3
   0
   -
   3 ← remainder

```

$$6053 \div 13 = 465 \text{ remainder } 8$$

```

      465
13 | 6053
   52

```

```

--
85
78
--
73
65
--
8 ← remainder

```

$$6053 \div 17 = 356 \text{ remainder } 1$$

```

      356
17 | 6053
    51
    --
    95
    85
    --
    103
    102
    ---
    1 ← remainder

```

$$6053 \div 19 = 318 \text{ remainder } 11$$

```

      318
19 | 6053
    57
    --
    35
    19
    --
    163
    152
    ---
    11 ← remainder

```

$$6053 \div 23 = 263 \text{ remainder } 4$$

```

      263
23 | 6053
    46
    --
    145

```

```

138
---
73
69
--
4 ← remainder

```

$$6053 \div 29 = 208 \text{ remainder } 21$$

```

      208
29 | 6053
    58
    --
    25
    0
    -
    253
    232
    ---
    21 ← remainder

```

$$6053 \div 31 = 195 \text{ remainder } 8$$

```

      195
31 | 6053
    31
    --
    295
    279
    ---
    163
    155
    ---
    8 ← remainder

```

$$6053 \div 37 = 163 \text{ remainder } 22$$

```

      163
37 | 6053
    37
    --
    235
    222
    ---

```

```

133
111
---
22 ← remainder

```

$$6053 \div 41 = 147 \text{ remainder } 26$$

```

147
41 | 6053
   41
   --
   195
   164
   ---
   313
   287
   ---
   26 ← remainder

```

$$6053 \div 43 = 140 \text{ remainder } 33$$

```

140
43 | 6053
   43
   --
   175
   172
   ---
   33
   0
   -
   33 ← remainder

```

$$6053 \div 47 = 128 \text{ remainder } 37$$

```

128
47 | 6053
   47
   --
   135
   94
   --
   413
   376

```

37 ← remainder

$$6053 \div 53 = 114 \text{ remainder } 11$$

114
53 | 6053
53
--
75
53
--
223
212

11 ← remainder

$$6053 \div 59 = 102 \text{ remainder } 35$$

102
59 | 6053
59
--
15
0
-
153
118

35 ← remainder

$$6053 \div 61 = 99 \text{ remainder } 14$$

99
61 | 6053
549

563
549

14 ← remainder

$$6053 \div 67 = 90 \text{ remainder } 23$$

$$\begin{array}{r}
 90 \\
 67 \mid 6053 \\
 \underline{603} \\
 23 \\
 0 \\
 - \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$6053 \div 71 = 85 \text{ remainder } 18$$

$$\begin{array}{r}
 85 \\
 71 \mid 6053 \\
 \underline{568} \\
 373 \\
 \underline{355} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$6053 \div 73 = 82 \text{ remainder } 67$$

$$\begin{array}{r}
 82 \\
 73 \mid 6053 \\
 \underline{584} \\
 213 \\
 \underline{146} \\
 67 \leftarrow \text{remainder}
 \end{array}$$

P₇₉₁ 6067

$$6067 \div 2 = 3033 \text{ remainder } 1$$

$$\begin{array}{r} 3033 \\ 2 \mid 6067 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6067 \div 3 = 2022 \text{ remainder } 1$$

$$\begin{array}{r} 2022 \\ 3 \mid 6067 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6067 \div 5 = 1213 \text{ remainder } 2$$

$$\begin{array}{r} 1213 \\ 5 \mid 6067 \\ \underline{5} \\ - \end{array}$$


```

10
10
--
6
5
-
17
15
--
2 ← remainder

```

$$6067 \div 7 = 866 \text{ remainder } 5$$

```

      866
7 | 6067
   56
   --
   46
   42
   --
   47
   42
   --
   5 ← remainder

```

$$6067 \div 11 = 551 \text{ remainder } 6$$

```

      551
11 | 6067
   55
   --
   56
   55
   --
   17
   11
   --
   6 ← remainder

```

$$6067 \div 13 = 466 \text{ remainder } 9$$

```

      466
13 | 6067
   52

```

```

--
86
78
--
87
78
--
9 ← remainder

```

$$6067 \div 17 = 356 \text{ remainder } 15$$

```

356
17 | 6067
   51
   --
   96
   85
   --
  117
  102
  ---
  15 ← remainder

```

$$6067 \div 19 = 319 \text{ remainder } 6$$

```

319
19 | 6067
   57
   --
   36
   19
   --
  177
  171
  ---
   6 ← remainder

```

$$6067 \div 23 = 263 \text{ remainder } 18$$

```

263
23 | 6067
   46
   --
  146

```

```

138
---
87
69
--
18 ← remainder

```

$$6067 \div 29 = 209 \text{ remainder } 6$$

```

      209
29 | 6067
    58
    --
    26
    0
    -
    267
    261
    ---
    6 ← remainder

```

$$6067 \div 31 = 195 \text{ remainder } 22$$

```

      195
31 | 6067
    31
    --
    296
    279
    ---
    177
    155
    ---
    22 ← remainder

```

$$6067 \div 37 = 163 \text{ remainder } 36$$

```

      163
37 | 6067
    37
    --
    236
    222
    ---

```

```

147
111
---
36 ← remainder

```

$$6067 \div 41 = 147 \text{ remainder } 40$$

```

147
41 | 6067
   41
   --
   196
   164
   ---
   327
   287
   ---
   40 ← remainder

```

$$6067 \div 43 = 141 \text{ remainder } 4$$

```

141
43 | 6067
   43
   --
   176
   172
   ---
   47
   43
   --
   4 ← remainder

```

$$6067 \div 47 = 129 \text{ remainder } 4$$

```

129
47 | 6067
   47
   --
   136
   94
   --
   427
   423

```

4 ← remainder

$$6067 \div 53 = 114 \text{ remainder } 25$$

```
      114
53 | 6067
    53
    --
    76
    53
    --
    237
    212
    ---
    25 ← remainder
```

$$6067 \div 59 = 102 \text{ remainder } 49$$

```
      102
59 | 6067
    59
    --
    16
    0
    -
    167
    118
    ---
    49 ← remainder
```

$$6067 \div 61 = 99 \text{ remainder } 28$$

```
      99
61 | 6067
    549
    ---
    577
    549
    ---
    28 ← remainder
```

$$6067 \div 67 = 90 \text{ remainder } 37$$

$$\begin{array}{r}
 90 \\
 67 \mid 6067 \\
 \underline{603} \\
 37 \\
 0 \\
 - \\
 37 \leftarrow \text{remainder}
 \end{array}$$

$$6067 \div 71 = 85 \text{ remainder } 32$$

$$\begin{array}{r}
 85 \\
 71 \mid 6067 \\
 \underline{568} \\
 387 \\
 \underline{355} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$6067 \div 73 = 83 \text{ remainder } 8$$

$$\begin{array}{r}
 83 \\
 73 \mid 6067 \\
 \underline{584} \\
 227 \\
 \underline{219} \\
 8 \leftarrow \text{remainder}
 \end{array}$$

P₇₉₂ 6073

$$6073 \div 2 = 3036 \text{ remainder } 1$$

$$\begin{array}{r} 3036 \\ 2 \mid 6073 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6073 \div 3 = 2024 \text{ remainder } 1$$

$$\begin{array}{r} 2024 \\ 3 \mid 6073 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6073 \div 5 = 1214 \text{ remainder } 3$$

$$\begin{array}{r} 1214 \\ 5 \mid 6073 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
7
5
-
23
20
--
3 ← remainder

```

$$6073 \div 7 = 867 \text{ remainder } 4$$

```

      867
7 | 6073
   56
   --
   47
   42
   --
   53
   49
   --
   4 ← remainder

```

$$6073 \div 11 = 552 \text{ remainder } 1$$

```

      552
11 | 6073
   55
   --
   57
   55
   --
   23
   22
   --
   1 ← remainder

```

$$6073 \div 13 = 467 \text{ remainder } 2$$

```

      467
13 | 6073
   52

```



```

--
87
78
--
93
91
--
2 ← remainder

```

$$6073 \div 17 = 357 \text{ remainder } 4$$

```

      357
17 | 6073
    51
    --
    97
    85
    --
    123
    119
    ---
    4 ← remainder

```

$$6073 \div 19 = 319 \text{ remainder } 12$$

```

      319
19 | 6073
    57
    --
    37
    19
    --
    183
    171
    ---
    12 ← remainder

```

$$6073 \div 23 = 264 \text{ remainder } 1$$

```

      264
23 | 6073
    46
    --
    147

```

```

138
---
93
92
--
1 ← remainder

```

$$6073 \div 29 = 209 \text{ remainder } 12$$

```

      209
29 | 6073
    58
    --
    27
    0
    -
    273
    261
    ---
    12 ← remainder

```

$$6073 \div 31 = 195 \text{ remainder } 28$$

```

      195
31 | 6073
    31
    --
    297
    279
    ---
    183
    155
    ---
    28 ← remainder

```

$$6073 \div 37 = 164 \text{ remainder } 5$$

```

      164
37 | 6073
    37
    --
    237
    222
    ---

```

```

153
148
---
5 ← remainder

```

$$6073 \div 41 = 148 \text{ remainder } 5$$

```

148
41 | 6073
   41
   --
   197
   164
   ---
   333
   328
   ---
   5 ← remainder

```

$$6073 \div 43 = 141 \text{ remainder } 10$$

```

141
43 | 6073
   43
   --
   177
   172
   ---
   53
   43
   --
   10 ← remainder

```

$$6073 \div 47 = 129 \text{ remainder } 10$$

```

129
47 | 6073
   47
   --
   137
   94
   --
   433
   423

```

10 ← remainder

$$6073 \div 53 = 114 \text{ remainder } 31$$

```
      114
53 | 6073
    53
    --
    77
    53
    --
    243
    212
    ---
    31 ← remainder
```

$$6073 \div 59 = 102 \text{ remainder } 55$$

```
      102
59 | 6073
    59
    --
    17
    0
    -
    173
    118
    ---
    55 ← remainder
```

$$6073 \div 61 = 99 \text{ remainder } 34$$

```
      99
61 | 6073
    549
    ---
    583
    549
    ---
    34 ← remainder
```

$$6073 \div 67 = 90 \text{ remainder } 43$$

$$\begin{array}{r}
 90 \\
 67 \mid 6073 \\
 \underline{603} \\
 43 \\
 0 \\
 - \\
 43 \leftarrow \text{remainder}
 \end{array}$$

$$6073 \div 71 = 85 \text{ remainder } 38$$

$$\begin{array}{r}
 85 \\
 71 \mid 6073 \\
 \underline{568} \\
 393 \\
 \underline{355} \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$6073 \div 73 = 83 \text{ remainder } 14$$

$$\begin{array}{r}
 83 \\
 73 \mid 6073 \\
 \underline{584} \\
 233 \\
 \underline{219} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

P₇₉₃ 6079

$$6079 \div 2 = 3039 \text{ remainder } 1$$

$$\begin{array}{r} 3039 \\ 2 \mid 6079 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6079 \div 3 = 2026 \text{ remainder } 1$$

$$\begin{array}{r} 2026 \\ 3 \mid 6079 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6079 \div 5 = 1215 \text{ remainder } 4$$

$$\begin{array}{r} 1215 \\ 5 \mid 6079 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
7
5
-
29
25
--
4 ← remainder

```

$$6079 \div 7 = 868 \text{ remainder } 3$$

```

      868
7 | 6079
   56
   --
   47
   42
   --
   59
   56
   --
   3 ← remainder

```

$$6079 \div 11 = 552 \text{ remainder } 7$$

```

      552
11 | 6079
   55
   --
   57
   55
   --
   29
   22
   --
   7 ← remainder

```

$$6079 \div 13 = 467 \text{ remainder } 8$$

```

      467
13 | 6079
   52

```

```

--
87
78
--
99
91
--
8 ← remainder

```

$$6079 \div 17 = 357 \text{ remainder } 10$$

```

      357
17 | 6079
    51
    --
    97
    85
    --
    129
    119
    ---
    10 ← remainder

```

$$6079 \div 19 = 319 \text{ remainder } 18$$

```

      319
19 | 6079
    57
    --
    37
    19
    --
    189
    171
    ---
    18 ← remainder

```

$$6079 \div 23 = 264 \text{ remainder } 7$$

```

      264
23 | 6079
    46
    --
    147

```



```

138
---
99
92
--
7 ← remainder

```

$$6079 \div 29 = 209 \text{ remainder } 18$$

```

      209
29 | 6079
    58
    --
    27
    0
    -
    279
    261
    ---
    18 ← remainder

```

$$6079 \div 31 = 196 \text{ remainder } 3$$

```

      196
31 | 6079
    31
    --
    297
    279
    ---
    189
    186
    ---
    3 ← remainder

```

$$6079 \div 37 = 164 \text{ remainder } 11$$

```

      164
37 | 6079
    37
    --
    237
    222
    ---

```

```

159
148
---
11 ← remainder

```

$$6079 \div 41 = 148 \text{ remainder } 11$$

```

      148
41 | 6079
    41
    --
    197
    164
    ---
    339
    328
    ---
    11 ← remainder

```

$$6079 \div 43 = 141 \text{ remainder } 16$$

```

      141
43 | 6079
    43
    --
    177
    172
    ---
    59
    43
    --
    16 ← remainder

```

$$6079 \div 47 = 129 \text{ remainder } 16$$

```

      129
47 | 6079
    47
    --
    137
    94
    --
    439
    423

```

16 ← remainder

$$6079 \div 53 = 114 \text{ remainder } 37$$

```
      114
53 | 6079
    53
    --
    77
    53
    --
    249
    212
    ---
    37 ← remainder
```

$$6079 \div 59 = 103 \text{ remainder } 2$$

```
      103
59 | 6079
    59
    --
    17
    0
    -
    179
    177
    ---
    2 ← remainder
```

$$6079 \div 61 = 99 \text{ remainder } 40$$

```
      99
61 | 6079
    549
    ---
    589
    549
    ---
    40 ← remainder
```

$$6079 \div 67 = 90 \text{ remainder } 49$$

$$\begin{array}{r}
 90 \\
 67 \mid 6079 \\
 \underline{603} \\
 49 \\
 0 \\
 - \\
 49 \leftarrow \text{remainder}
 \end{array}$$

$$6079 \div 71 = 85 \text{ remainder } 44$$

$$\begin{array}{r}
 85 \\
 71 \mid 6079 \\
 \underline{568} \\
 399 \\
 \underline{355} \\
 44 \leftarrow \text{remainder}
 \end{array}$$

$$6079 \div 73 = 83 \text{ remainder } 20$$

$$\begin{array}{r}
 83 \\
 73 \mid 6079 \\
 \underline{584} \\
 239 \\
 \underline{219} \\
 20 \leftarrow \text{remainder}
 \end{array}$$

P₇₉₄ 6089

$$6089 \div 2 = 3044 \text{ remainder } 1$$

$$\begin{array}{r} 3044 \\ 2 \mid 6089 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6089 \div 3 = 2029 \text{ remainder } 2$$

$$\begin{array}{r} 2029 \\ 3 \mid 6089 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6089 \div 5 = 1217 \text{ remainder } 4$$

$$\begin{array}{r} 1217 \\ 5 \mid 6089 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
8
5
-
39
35
--
4 ← remainder

```

$$6089 \div 7 = 869 \text{ remainder } 6$$

```

      869
7 | 6089
   56
   --
   48
   42
   --
   69
   63
   --
   6 ← remainder

```

$$6089 \div 11 = 553 \text{ remainder } 6$$

```

      553
11 | 6089
   55
   --
   58
   55
   --
   39
   33
   --
   6 ← remainder

```

$$6089 \div 13 = 468 \text{ remainder } 5$$

```

      468
13 | 6089
   52

```

```

--
88
78
--
109
104
---
5 ← remainder

```

$$6089 \div 17 = 358 \text{ remainder } 3$$

```

      358
17 | 6089
    51
    --
    98
    85
    --
    139
    136
    ---
    3 ← remainder

```

$$6089 \div 19 = 320 \text{ remainder } 9$$

```

      320
19 | 6089
    57
    --
    38
    38
    --
    9
    0
    -
    9 ← remainder

```

$$6089 \div 23 = 264 \text{ remainder } 17$$

```

      264
23 | 6089
    46
    --
    148

```

```

138
---
109
92
--
17 ← remainder

```

$$6089 \div 29 = 209 \text{ remainder } 28$$

```

      209
29 | 6089
    58
    --
    28
    0
    -
    289
    261
    ---
    28 ← remainder

```

$$6089 \div 31 = 196 \text{ remainder } 13$$

```

      196
31 | 6089
    31
    --
    298
    279
    ---
    199
    186
    ---
    13 ← remainder

```

$$6089 \div 37 = 164 \text{ remainder } 21$$

```

      164
37 | 6089
    37
    --
    238
    222
    ---

```



```

169
148
---
21 ← remainder

```

$$6089 \div 41 = 148 \text{ remainder } 21$$

```

      148
41 | 6089
    41
    --
    198
    164
    ---
    349
    328
    ---
    21 ← remainder

```

$$6089 \div 43 = 141 \text{ remainder } 26$$

```

      141
43 | 6089
    43
    --
    178
    172
    ---
     69
     43
     --
     26 ← remainder

```

$$6089 \div 47 = 129 \text{ remainder } 26$$

```

      129
47 | 6089
    47
    --
    138
    94
    --
    449
    423

```

26 ← remainder

$$6089 \div 53 = 114 \text{ remainder } 47$$

114
53 | 6089
53
--
78
53
--
259
212

47 ← remainder

$$6089 \div 59 = 103 \text{ remainder } 12$$

103
59 | 6089
59
--
18
0
-
189
177

12 ← remainder

$$6089 \div 61 = 99 \text{ remainder } 50$$

99
61 | 6089
549

599
549

50 ← remainder

$$6089 \div 67 = 90 \text{ remainder } 59$$

$$\begin{array}{r}
 90 \\
 67 \mid 6089 \\
 \underline{603} \\
 59 \\
 0 \\
 - \\
 59 \leftarrow \text{remainder}
 \end{array}$$

$$6089 \div 71 = 85 \text{ remainder } 54$$

$$\begin{array}{r}
 85 \\
 71 \mid 6089 \\
 \underline{568} \\
 409 \\
 \underline{355} \\
 54 \leftarrow \text{remainder}
 \end{array}$$

$$6089 \div 73 = 83 \text{ remainder } 30$$

$$\begin{array}{r}
 83 \\
 73 \mid 6089 \\
 \underline{584} \\
 249 \\
 \underline{219} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

P₇₉₅ 6091

$$6091 \div 2 = 3045 \text{ remainder } 1$$

$$\begin{array}{r} 3045 \\ 2 \mid 6091 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6091 \div 3 = 2030 \text{ remainder } 1$$

$$\begin{array}{r} 2030 \\ 3 \mid 6091 \\ \underline{6} \\ - \\ 0 \\ \underline{0} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6091 \div 5 = 1218 \text{ remainder } 1$$

$$\begin{array}{r} 1218 \\ 5 \mid 6091 \\ \underline{5} \\ - \end{array}$$

```

10
10
--
9
5
-
41
40
--
1 ← remainder

```

$$6091 \div 7 = 870 \text{ remainder } 1$$

```

      870
7 | 6091
   56
   --
   49
   49
   --
   1
   0
   -
   1 ← remainder

```

$$6091 \div 11 = 553 \text{ remainder } 8$$

```

      553
11 | 6091
   55
   --
   59
   55
   --
   41
   33
   --
   8 ← remainder

```

$$6091 \div 13 = 468 \text{ remainder } 7$$

```

      468
13 | 6091
   52

```

```

--
89
78
--
111
104
---
7 ← remainder

```

$$6091 \div 17 = 358 \text{ remainder } 5$$

```

      358
17 | 6091
    51
    --
    99
    85
    --
    141
    136
    ---
    5 ← remainder

```

$$6091 \div 19 = 320 \text{ remainder } 11$$

```

      320
19 | 6091
    57
    --
    39
    38
    --
    11
    0
    -
    11 ← remainder

```

$$6091 \div 23 = 264 \text{ remainder } 19$$

```

      264
23 | 6091
    46
    --
    149

```

```

138
---
111
92
--
19 ← remainder

```

$$6091 \div 29 = 210 \text{ remainder } 1$$

```

      210
29 | 6091
    58
    --
    29
    29
    --
    1
    0
    -
    1 ← remainder

```

$$6091 \div 31 = 196 \text{ remainder } 15$$

```

      196
31 | 6091
    31
    --
    299
    279
    ---
    201
    186
    ---
    15 ← remainder

```

$$6091 \div 37 = 164 \text{ remainder } 23$$

```

      164
37 | 6091
    37
    --
    239
    222
    ---

```

```

171
148
---
23 ← remainder

```

$$6091 \div 41 = 148 \text{ remainder } 23$$

```

      148
41 | 6091
    41
    --
    199
    164
    ---
    351
    328
    ---
    23 ← remainder

```

$$6091 \div 43 = 141 \text{ remainder } 28$$

```

      141
43 | 6091
    43
    --
    179
    172
    ---
    71
    43
    --
    28 ← remainder

```

$$6091 \div 47 = 129 \text{ remainder } 28$$

```

      129
47 | 6091
    47
    --
    139
    94
    --
    451
    423

```

28 ← remainder

$$6091 \div 53 = 114 \text{ remainder } 49$$

114
53 | 6091
53
--
79
53
--
261
212

49 ← remainder

$$6091 \div 59 = 103 \text{ remainder } 14$$

103
59 | 6091
59
--
19
0
-
191
177

14 ← remainder

$$6091 \div 61 = 99 \text{ remainder } 52$$

99
61 | 6091
549

601
549

52 ← remainder

$$6091 \div 67 = 90 \text{ remainder } 61$$

$$\begin{array}{r}
 90 \\
 67 \mid 6091 \\
 \underline{603} \\
 --- \\
 61 \\
 0 \\
 - \\
 61 \leftarrow \text{remainder}
 \end{array}$$

$$6091 \div 71 = 85 \text{ remainder } 56$$

$$\begin{array}{r}
 85 \\
 71 \mid 6091 \\
 \underline{568} \\
 --- \\
 411 \\
 \underline{355} \\
 --- \\
 56 \leftarrow \text{remainder}
 \end{array}$$

$$6091 \div 73 = 83 \text{ remainder } 32$$

$$\begin{array}{r}
 83 \\
 73 \mid 6091 \\
 \underline{584} \\
 --- \\
 251 \\
 \underline{219} \\
 --- \\
 32 \leftarrow \text{remainder}
 \end{array}$$

P₇₉₆ 6101

$$6101 \div 2 = 3050 \text{ remainder } 1$$

$$\begin{array}{r} 3050 \\ 2 \mid 6101 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 10 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 3 = 2033 \text{ remainder } 2$$

$$\begin{array}{r} 2033 \\ 3 \mid 6101 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 5 = 1220 \text{ remainder } 1$$

$$\begin{array}{r} 1220 \\ 5 \mid 6101 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
10
10
--
1
0
-
1 ← remainder

```

$$6101 \div 7 = 871 \text{ remainder } 4$$

```

      871
7 | 6101
   56
   --
   50
   49
   --
   11
   7
   -
   4 ← remainder

```

$$6101 \div 11 = 554 \text{ remainder } 7$$

```

      554
11 | 6101
   55
   --
   60
   55
   --
   51
   44
   --
   7 ← remainder

```

$$6101 \div 13 = 469 \text{ remainder } 4$$

```

      469
13 | 6101
   52

```

```

--
90
78
--
121
117
---
4 ← remainder

```

$$6101 \div 17 = 358 \text{ remainder } 15$$

```

      358
17 | 6101
    51
    --
    100
    85
    --
    151
    136
    ---
    15 ← remainder

```

$$6101 \div 19 = 321 \text{ remainder } 2$$

```

      321
19 | 6101
    57
    --
    40
    38
    --
    21
    19
    --
    2 ← remainder

```

$$6101 \div 23 = 265 \text{ remainder } 6$$

```

      265
23 | 6101
    46
    --
    150

```

```

138
---
121
115
---
6 ← remainder

```

$$6101 \div 29 = 210 \text{ remainder } 11$$

```

      210
29 | 6101
    58
    --
     30
     29
     --
      11
      0
      -
      11 ← remainder

```

$$6101 \div 31 = 196 \text{ remainder } 25$$

```

      196
31 | 6101
    31
    --
    300
    279
    ---
     211
     186
     ---
      25 ← remainder

```

$$6101 \div 37 = 164 \text{ remainder } 33$$

```

      164
37 | 6101
    37
    --
    240
    222
    ---

```

```

181
148
---
33 ← remainder

```

$$6101 \div 41 = 148 \text{ remainder } 33$$

```

      148
41 | 6101
    41
    --
    200
    164
    ---
    361
    328
    ---
    33 ← remainder

```

$$6101 \div 43 = 141 \text{ remainder } 38$$

```

      141
43 | 6101
    43
    --
    180
    172
    ---
    81
    43
    --
    38 ← remainder

```

$$6101 \div 47 = 129 \text{ remainder } 38$$

```

      129
47 | 6101
    47
    --
    140
    94
    --
    461
    423

```

38 ← remainder

$$6101 \div 53 = 115 \text{ remainder } 6$$

```
      115
53 | 6101
    53
    --
     80
     53
     --
    271
    265
    ---
     6 ← remainder
```

$$6101 \div 59 = 103 \text{ remainder } 24$$

```
      103
59 | 6101
    59
    --
    20
    0
    -
    201
    177
    ---
    24 ← remainder
```

$$6101 \div 61 = 100 \text{ remainder } 1$$

```
      100
61 | 6101
    61
    --
     0
     0
     -
     1
     0
     -
     1 ← remainder
```


$$6101 \div 67 = 91 \text{ remainder } 4$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6101} \\ \underline{603} \\ 71 \\ \underline{67} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 71 = 85 \text{ remainder } 66$$

$$\begin{array}{r} 85 \\ 71 \overline{) 6101} \\ \underline{568} \\ 421 \\ \underline{355} \\ 66 \leftarrow \text{remainder} \end{array}$$

$$6101 \div 73 = 83 \text{ remainder } 42$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6101} \\ \underline{584} \\ 261 \\ \underline{219} \\ 42 \leftarrow \text{remainder} \end{array}$$

P₇₉₇ 6113

$$6113 \div 2 = 3056 \text{ remainder } 1$$

$$\begin{array}{r} 3056 \\ 2 \mid 6113 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 3 = 2037 \text{ remainder } 2$$

$$\begin{array}{r} 2037 \\ 3 \mid 6113 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 5 = 1222 \text{ remainder } 3$$

$$\begin{array}{r} 1222 \\ 5 \mid 6113 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
11
10
--
13
10
--
3 ← remainder

```

$$6113 \div 7 = 873 \text{ remainder } 2$$

```

      873
7 | 6113
   56
   --
   51
   49
   --
   23
   21
   --
   2 ← remainder

```

$$6113 \div 11 = 555 \text{ remainder } 8$$

```

      555
11 | 6113
   55
   --
   61
   55
   --
   63
   55
   --
   8 ← remainder

```

$$6113 \div 13 = 470 \text{ remainder } 3$$

```

      470
13 | 6113
   52

```

```

--
91
91
--
3
0
-
3 ← remainder

```

$$6113 \div 17 = 359 \text{ remainder } 10$$

```

      359
17 | 6113
    51
    --
    101
    85
    --
    163
    153
    ---
    10 ← remainder

```

$$6113 \div 19 = 321 \text{ remainder } 14$$

```

      321
19 | 6113
    57
    --
    41
    38
    --
    33
    19
    --
    14 ← remainder

```

$$6113 \div 23 = 265 \text{ remainder } 18$$

```

      265
23 | 6113
    46
    --
    151

```

```

138
---
133
115
---
18 ← remainder

```

$$6113 \div 29 = 210 \text{ remainder } 23$$

```

      210
29 | 6113
    58
    --
    31
    29
    --
    23
    0
    -
    23 ← remainder

```

$$6113 \div 31 = 197 \text{ remainder } 6$$

```

      197
31 | 6113
    31
    --
    301
    279
    ---
    223
    217
    ---
    6 ← remainder

```

$$6113 \div 37 = 165 \text{ remainder } 8$$

```

      165
37 | 6113
    37
    --
    241
    222
    ---

```

```

193
185
---
8 ← remainder

```

$$6113 \div 41 = 149 \text{ remainder } 4$$

```

149
41 | 6113
   41
   --
  201
  164
  ---
   373
   369
   ---
    4 ← remainder

```

$$6113 \div 43 = 142 \text{ remainder } 7$$

```

142
43 | 6113
   43
   --
  181
  172
  ---
   93
   86
   --
    7 ← remainder

```

$$6113 \div 47 = 130 \text{ remainder } 3$$

```

130
47 | 6113
   47
   --
  141
  141
  ---
    3
    0

```

-
3 ← remainder

$$6113 \div 53 = 115 \text{ remainder } 18$$

```
      115
53 | 6113
    53
    --
    81
    53
    --
    283
    265
    ---
    18 ← remainder
```

$$6113 \div 59 = 103 \text{ remainder } 36$$

```
      103
59 | 6113
    59
    --
    21
    0
    -
    213
    177
    ---
    36 ← remainder
```

$$6113 \div 61 = 100 \text{ remainder } 13$$

```
      100
61 | 6113
    61
    --
    1
    0
    -
    13
    0
    -
    13 ← remainder
```

$$6113 \div 67 = 91 \text{ remainder } 16$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6113} \\ \underline{603} \\ 83 \\ \underline{67} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 71 = 86 \text{ remainder } 7$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6113} \\ \underline{568} \\ 433 \\ \underline{426} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6113 \div 73 = 83 \text{ remainder } 54$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6113} \\ \underline{584} \\ 273 \\ \underline{219} \\ 54 \leftarrow \text{remainder} \end{array}$$

P₇₉₈ 6121

$$6121 \div 2 = 3060 \text{ remainder } 1$$

$$\begin{array}{r} 3060 \\ 2 \mid 6121 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 12 \\ \underline{12} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6121 \div 3 = 2040 \text{ remainder } 1$$

$$\begin{array}{r} 2040 \\ 3 \mid 6121 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 12 \\ \underline{12} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6121 \div 5 = 1224 \text{ remainder } 1$$

$$\begin{array}{r} 1224 \\ 5 \mid 6121 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
12
10
--
21
20
--
1 ← remainder

```

$$6121 \div 7 = 874 \text{ remainder } 3$$

```

      874
7 | 6121
   56
   --
   52
   49
   --
   31
   28
   --
   3 ← remainder

```

$$6121 \div 11 = 556 \text{ remainder } 5$$

```

      556
11 | 6121
   55
   --
   62
   55
   --
   71
   66
   --
   5 ← remainder

```

$$6121 \div 13 = 470 \text{ remainder } 11$$

```

      470
13 | 6121
   52

```

```

--
92
91
--
11
0
-
11 ← remainder

```

$$6121 \div 17 = 360 \text{ remainder } 1$$

```

      360
17 | 6121
    51
    --
    102
    102
    ---
     1
     0
     -
     1 ← remainder

```

$$6121 \div 19 = 322 \text{ remainder } 3$$

```

      322
19 | 6121
    57
    --
    42
    38
    --
    41
    38
    --
     3 ← remainder

```

$$6121 \div 23 = 266 \text{ remainder } 3$$

```

      266
23 | 6121
    46
    --
    152

```

```

138
---
141
138
---
3 ← remainder

```

$$6121 \div 29 = 211 \text{ remainder } 2$$

```

      211
29 | 6121
    58
    --
    32
    29
    --
    31
    29
    --
    2 ← remainder

```

$$6121 \div 31 = 197 \text{ remainder } 14$$

```

      197
31 | 6121
    31
    --
    302
    279
    ---
    231
    217
    ---
    14 ← remainder

```

$$6121 \div 37 = 165 \text{ remainder } 16$$

```

      165
37 | 6121
    37
    --
    242
    222
    ---

```

```

201
185
---
16 ← remainder

```

$$6121 \div 41 = 149 \text{ remainder } 12$$

```

149
41 | 6121
   41
   --
   202
   164
   ---
   381
   369
   ---
   12 ← remainder

```

$$6121 \div 43 = 142 \text{ remainder } 15$$

```

142
43 | 6121
   43
   --
   182
   172
   ---
   101
   86
   --
   15 ← remainder

```

$$6121 \div 47 = 130 \text{ remainder } 11$$

```

130
47 | 6121
   47
   --
   142
   141
   ---
   11
   0

```

-
11 ← remainder

$$6121 \div 53 = 115 \text{ remainder } 26$$

```
      115
53 | 6121
    53
    --
     82
     53
     --
     291
     265
     ---
      26 ← remainder
```

$$6121 \div 59 = 103 \text{ remainder } 44$$

```
      103
59 | 6121
    59
    --
     22
     0
     -
     221
     177
     ---
      44 ← remainder
```

$$6121 \div 61 = 100 \text{ remainder } 21$$

```
      100
61 | 6121
    61
    --
     2
     0
     -
     21
     0
     -
      21 ← remainder
```

$$6121 \div 67 = 91 \text{ remainder } 24$$

$$\begin{array}{r}
 91 \\
 67 \overline{) 6121} \\
 \underline{603} \\
 91 \\
 \underline{67} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$6121 \div 71 = 86 \text{ remainder } 15$$

$$\begin{array}{r}
 86 \\
 71 \overline{) 6121} \\
 \underline{568} \\
 441 \\
 \underline{426} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$6121 \div 73 = 83 \text{ remainder } 62$$

$$\begin{array}{r}
 83 \\
 73 \overline{) 6121} \\
 \underline{584} \\
 281 \\
 \underline{219} \\
 62 \leftarrow \text{remainder}
 \end{array}$$

P₇₉₉ 6131

$$6131 \div 2 = 3065 \text{ remainder } 1$$

$$\begin{array}{r} 3065 \\ 2 \mid 6131 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 3 = 2043 \text{ remainder } 2$$

$$\begin{array}{r} 2043 \\ 3 \mid 6131 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 5 = 1226 \text{ remainder } 1$$

$$\begin{array}{r} 1226 \\ 5 \mid 6131 \\ \underline{5} \\ - \end{array}$$


```

11
10
--
13
10
--
31
30
--
1 ← remainder

```

$$6131 \div 7 = 875 \text{ remainder } 6$$

```

      875
7 | 6131
   56
   --
   53
   49
   --
   41
   35
   --
   6 ← remainder

```

$$6131 \div 11 = 557 \text{ remainder } 4$$

```

      557
11 | 6131
   55
   --
   63
   55
   --
   81
   77
   --
   4 ← remainder

```

$$6131 \div 13 = 471 \text{ remainder } 8$$

```

      471
13 | 6131
   52

```

```

--
93
91
--
21
13
--
8 ← remainder

```

$$6131 \div 17 = 360 \text{ remainder } 11$$

```

      360
17 | 6131
    51
    --
    103
    102
    ---
     11
     0
     -
    11 ← remainder

```

$$6131 \div 19 = 322 \text{ remainder } 13$$

```

      322
19 | 6131
    57
    --
    43
    38
    --
    51
    38
    --
    13 ← remainder

```

$$6131 \div 23 = 266 \text{ remainder } 13$$

```

      266
23 | 6131
    46
    --
    153

```

```

138
---
151
138
---
13 ← remainder

```

$$6131 \div 29 = 211 \text{ remainder } 12$$

```

      211
29 | 6131
    58
    --
    33
    29
    --
    41
    29
    --
    12 ← remainder

```

$$6131 \div 31 = 197 \text{ remainder } 24$$

```

      197
31 | 6131
    31
    --
    303
    279
    ---
    241
    217
    ---
    24 ← remainder

```

$$6131 \div 37 = 165 \text{ remainder } 26$$

```

      165
37 | 6131
    37
    --
    243
    222
    ---

```

```

211
185
---
26 ← remainder

```

$$6131 \div 41 = 149 \text{ remainder } 22$$

```

149
41 | 6131
   41
   --
  203
  164
  ---
   391
   369
   ---
    22 ← remainder

```

$$6131 \div 43 = 142 \text{ remainder } 25$$

```

142
43 | 6131
   43
   --
  183
  172
  ---
   111
   86
   --
    25 ← remainder

```

$$6131 \div 47 = 130 \text{ remainder } 21$$

```

130
47 | 6131
   47
   --
  143
  141
  ---
   21
   0

```

-
21 ← remainder

$$6131 \div 53 = 115 \text{ remainder } 36$$

```
    115
53 | 6131
    53
    --
    83
    53
    --
    301
    265
    ---
    36 ← remainder
```

$$6131 \div 59 = 103 \text{ remainder } 54$$

```
    103
59 | 6131
    59
    --
    23
    0
    -
    231
    177
    ---
    54 ← remainder
```

$$6131 \div 61 = 100 \text{ remainder } 31$$

```
    100
61 | 6131
    61
    --
    3
    0
    -
    31
    0
    -
    31 ← remainder
```

$$6131 \div 67 = 91 \text{ remainder } 34$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6131} \\ \underline{603} \\ 101 \\ \underline{67} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 71 = 86 \text{ remainder } 25$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6131} \\ \underline{568} \\ 451 \\ \underline{426} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6131 \div 73 = 83 \text{ remainder } 72$$

$$\begin{array}{r} 83 \\ 73 \overline{) 6131} \\ \underline{584} \\ 291 \\ \underline{219} \\ 72 \leftarrow \text{remainder} \end{array}$$

P₈₀₀ 6133

$$6133 \div 2 = 3066 \text{ remainder } 1$$

$$\begin{array}{r} 3066 \\ 2 \mid 6133 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 3 = 2044 \text{ remainder } 1$$

$$\begin{array}{r} 2044 \\ 3 \mid 6133 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 5 = 1226 \text{ remainder } 3$$

$$\begin{array}{r} 1226 \\ 5 \mid 6133 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
13
10
--
33
30
--
3 ← remainder

```

$$6133 \div 7 = 876 \text{ remainder } 1$$

```

      876
7 | 6133
   56
   --
   53
   49
   --
   43
   42
   --
   1 ← remainder

```

$$6133 \div 11 = 557 \text{ remainder } 6$$

```

      557
11 | 6133
   55
   --
   63
   55
   --
   83
   77
   --
   6 ← remainder

```

$$6133 \div 13 = 471 \text{ remainder } 10$$

```

      471
13 | 6133
   52

```



```

--
93
91
--
23
13
--
10 ← remainder

```

$$6133 \div 17 = 360 \text{ remainder } 13$$

```

      360
17 | 6133
    51
    --
    103
    102
    ---
     13
     0
     -
     13 ← remainder

```

$$6133 \div 19 = 322 \text{ remainder } 15$$

```

      322
19 | 6133
    57
    --
    43
    38
    --
    53
    38
    --
    15 ← remainder

```

$$6133 \div 23 = 266 \text{ remainder } 15$$

```

      266
23 | 6133
    46
    --
    153

```

```

138
---
153
138
---
15 ← remainder

```

$$6133 \div 29 = 211 \text{ remainder } 14$$

```

      211
29 | 6133
    58
    --
    33
    29
    --
    43
    29
    --
    14 ← remainder

```

$$6133 \div 31 = 197 \text{ remainder } 26$$

```

      197
31 | 6133
    31
    --
    303
    279
    ---
    243
    217
    ---
    26 ← remainder

```

$$6133 \div 37 = 165 \text{ remainder } 28$$

```

      165
37 | 6133
    37
    --
    243
    222
    ---

```

```

213
185
---
28 ← remainder

```

$$6133 \div 41 = 149 \text{ remainder } 24$$

```

149
41 | 6133
   41
   --
   203
   164
   ---
   393
   369
   ---
   24 ← remainder

```

$$6133 \div 43 = 142 \text{ remainder } 27$$

```

142
43 | 6133
   43
   --
   183
   172
   ---
   113
   86
   --
   27 ← remainder

```

$$6133 \div 47 = 130 \text{ remainder } 23$$

```

130
47 | 6133
   47
   --
   143
   141
   ---
   23
   0

```

-
23 ← remainder

$$6133 \div 53 = 115 \text{ remainder } 38$$

```
      115
53 | 6133
    53
    --
    83
    53
    --
    303
    265
    ---
    38 ← remainder
```

$$6133 \div 59 = 103 \text{ remainder } 56$$

```
      103
59 | 6133
    59
    --
    23
    0
    -
    233
    177
    ---
    56 ← remainder
```

$$6133 \div 61 = 100 \text{ remainder } 33$$

```
      100
61 | 6133
    61
    --
    3
    0
    -
    33
    0
    -
    33 ← remainder
```

$$6133 \div 67 = 91 \text{ remainder } 36$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6133} \\ \underline{603} \\ 103 \\ \underline{67} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 71 = 86 \text{ remainder } 27$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6133} \\ \underline{568} \\ 453 \\ \underline{426} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6133 \div 73 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6133} \\ \underline{584} \\ 293 \\ \underline{292} \\ 1 \leftarrow \text{remainder} \end{array}$$

P₈₀₁ 6143

$$6143 \div 2 = 3071 \text{ remainder } 1$$

$$\begin{array}{r} 3071 \\ 2 \mid 6143 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 14 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 3 = 2047 \text{ remainder } 2$$

$$\begin{array}{r} 2047 \\ 3 \mid 6143 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 14 \\ \underline{12} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 5 = 1228 \text{ remainder } 3$$

$$\begin{array}{r} 1228 \\ 5 \mid 6143 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
14
10
--
43
40
--
3 ← remainder

```

$$6143 \div 7 = 877 \text{ remainder } 4$$

```

      877
7 | 6143
   56
   --
   54
   49
   --
   53
   49
   --
   4 ← remainder

```

$$6143 \div 11 = 558 \text{ remainder } 5$$

```

      558
11 | 6143
   55
   --
   64
   55
   --
   93
   88
   --
   5 ← remainder

```

$$6143 \div 13 = 472 \text{ remainder } 7$$

```

      472
13 | 6143
   52

```

```

--
94
91
--
33
26
--
7 ← remainder

```

$$6143 \div 17 = 361 \text{ remainder } 6$$

```

      361
17 | 6143
    51
    --
   104
   102
   ---
    23
    17
    --
    6 ← remainder

```

$$6143 \div 19 = 323 \text{ remainder } 6$$

```

      323
19 | 6143
    57
    --
    44
    38
    --
    63
    57
    --
    6 ← remainder

```

$$6143 \div 23 = 267 \text{ remainder } 2$$

```

      267
23 | 6143
    46
    --
   154

```



```

138
---
163
161
---
2 ← remainder

```

$$6143 \div 29 = 211 \text{ remainder } 24$$

```

      211
29 | 6143
    58
    --
     34
     29
     --
      53
      29
      --
      24 ← remainder

```

$$6143 \div 31 = 198 \text{ remainder } 5$$

```

      198
31 | 6143
    31
    --
    304
    279
    ---
     253
     248
     ---
      5 ← remainder

```

$$6143 \div 37 = 166 \text{ remainder } 1$$

```

      166
37 | 6143
    37
    --
    244
    222
    ---

```

```

223
222
---
1 ← remainder

```

$$6143 \div 41 = 149 \text{ remainder } 34$$

```

149
41 | 6143
   41
   --
   204
   164
   ---
   403
   369
   ---
   34 ← remainder

```

$$6143 \div 43 = 142 \text{ remainder } 37$$

```

142
43 | 6143
   43
   --
   184
   172
   ---
   123
   86
   --
   37 ← remainder

```

$$6143 \div 47 = 130 \text{ remainder } 33$$

```

130
47 | 6143
   47
   --
   144
   141
   ---
   33
   0

```

-
33 ← remainder

$$6143 \div 53 = 115 \text{ remainder } 48$$

```
      115
53 | 6143
    53
    --
    84
    53
    --
    313
    265
    ---
    48 ← remainder
```

$$6143 \div 59 = 104 \text{ remainder } 7$$

```
      104
59 | 6143
    59
    --
    24
    0
    -
    243
    236
    ---
    7 ← remainder
```

$$6143 \div 61 = 100 \text{ remainder } 43$$

```
      100
61 | 6143
    61
    --
    4
    0
    -
    43
    0
    -
    43 ← remainder
```

$$6143 \div 67 = 91 \text{ remainder } 46$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6143} \\ \underline{603} \\ 113 \\ \underline{67} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 71 = 86 \text{ remainder } 37$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6143} \\ \underline{568} \\ 463 \\ \underline{426} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6143 \div 73 = 84 \text{ remainder } 11$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6143} \\ \underline{584} \\ 303 \\ \underline{292} \\ 11 \leftarrow \text{remainder} \end{array}$$

P₈₀₂ 6151

$$6151 \div 2 = 3075 \text{ remainder } 1$$

$$\begin{array}{r} 3075 \\ 2 \mid 6151 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 15 \\ \underline{14} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6151 \div 3 = 2050 \text{ remainder } 1$$

$$\begin{array}{r} 2050 \\ 3 \mid 6151 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 15 \\ \underline{15} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6151 \div 5 = 1230 \text{ remainder } 1$$

$$\begin{array}{r} 1230 \\ 5 \mid 6151 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
15
15
--
1
0
-
1 ← remainder

```

$$6151 \div 7 = 878 \text{ remainder } 5$$

```

      878
7 | 6151
   56
   --
   55
   49
   --
   61
   56
   --
   5 ← remainder

```

$$6151 \div 11 = 559 \text{ remainder } 2$$

```

      559
11 | 6151
   55
   --
   65
   55
   --
  101
   99
   --
   2 ← remainder

```

$$6151 \div 13 = 473 \text{ remainder } 2$$

```

      473
13 | 6151
   52

```

```

--
95
91
--
41
39
--
2 ← remainder

```

$$6151 \div 17 = 361 \text{ remainder } 14$$

```

      361
17 | 6151
    51
    --
    105
    102
    ---
     31
     17
     --
    14 ← remainder

```

$$6151 \div 19 = 323 \text{ remainder } 14$$

```

      323
19 | 6151
    57
    --
    45
    38
    --
    71
    57
    --
    14 ← remainder

```

$$6151 \div 23 = 267 \text{ remainder } 10$$

```

      267
23 | 6151
    46
    --
    155

```

```

138
---
171
161
---
10 ← remainder

```

$$6151 \div 29 = 212 \text{ remainder } 3$$

```

    212
29 | 6151
    58
    --
    35
    29
    --
    61
    58
    --
    3 ← remainder

```

$$6151 \div 31 = 198 \text{ remainder } 13$$

```

    198
31 | 6151
    31
    --
    305
    279
    ---
    261
    248
    ---
    13 ← remainder

```

$$6151 \div 37 = 166 \text{ remainder } 9$$

```

    166
37 | 6151
    37
    --
    245
    222
    ---

```



```

231
222
---
9 ← remainder

```

$$6151 \div 41 = 150 \text{ remainder } 1$$

```

150
41 | 6151
   41
   --
   205
   205
   ---
     1
     0
     -
     1 ← remainder

```

$$6151 \div 43 = 143 \text{ remainder } 2$$

```

143
43 | 6151
   43
   --
   185
   172
   ---
   131
   129
   ---
     2 ← remainder

```

$$6151 \div 47 = 130 \text{ remainder } 41$$

```

130
47 | 6151
   47
   --
   145
   141
   ---
     41
     0

```

-
41 ← remainder

$$6151 \div 53 = 116 \text{ remainder } 3$$

```
      116
53 | 6151
    53
    --
    85
    53
    --
    321
    318
    ---
    3 ← remainder
```

$$6151 \div 59 = 104 \text{ remainder } 15$$

```
      104
59 | 6151
    59
    --
    25
    0
    -
    251
    236
    ---
    15 ← remainder
```

$$6151 \div 61 = 100 \text{ remainder } 51$$

```
      100
61 | 6151
    61
    --
    5
    0
    -
    51
    0
    -
    51 ← remainder
```

$$6151 \div 67 = 91 \text{ remainder } 54$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6151} \\ \underline{603} \\ 121 \\ \underline{67} \\ 54 \leftarrow \text{remainder} \end{array}$$

$$6151 \div 71 = 86 \text{ remainder } 45$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6151} \\ \underline{568} \\ 471 \\ \underline{426} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6151 \div 73 = 84 \text{ remainder } 19$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6151} \\ \underline{584} \\ 311 \\ \underline{292} \\ 19 \leftarrow \text{remainder} \end{array}$$

P₈₀₃ 6163

$$6163 \div 2 = 3081 \text{ remainder } 1$$

$$\begin{array}{r} 3081 \\ 2 \mid 6163 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6163 \div 3 = 2054 \text{ remainder } 1$$

$$\begin{array}{r} 2054 \\ 3 \mid 6163 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6163 \div 5 = 1232 \text{ remainder } 3$$

$$\begin{array}{r} 1232 \\ 5 \mid 6163 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
16
15
--
13
10
--
3 ← remainder

```

$$6163 \div 7 = 880 \text{ remainder } 3$$

```

      880
7 | 6163
   56
   --
   56
   56
   --
    3
    0
    -
    3 ← remainder

```

$$6163 \div 11 = 560 \text{ remainder } 3$$

```

      560
11 | 6163
    55
    --
    66
    66
    --
     3
     0
     -
     3 ← remainder

```

$$6163 \div 13 = 474 \text{ remainder } 1$$

```

      474
13 | 6163
    52

```

```

--
96
91
--
53
52
--
1 ← remainder

```

$$6163 \div 17 = 362 \text{ remainder } 9$$

```

      362
17 | 6163
    51
    --
    106
    102
    ---
     43
     34
     --
     9 ← remainder

```

$$6163 \div 19 = 324 \text{ remainder } 7$$

```

      324
19 | 6163
    57
    --
    46
    38
    --
    83
    76
    --
    7 ← remainder

```

$$6163 \div 23 = 267 \text{ remainder } 22$$

```

      267
23 | 6163
    46
    --
    156

```

```

138
---
183
161
---
22 ← remainder

```

$$6163 \div 29 = 212 \text{ remainder } 15$$

```

      212
29 | 6163
    58
    --
    36
    29
    --
    73
    58
    --
    15 ← remainder

```

$$6163 \div 31 = 198 \text{ remainder } 25$$

```

      198
31 | 6163
    31
    --
    306
    279
    ---
    273
    248
    ---
    25 ← remainder

```

$$6163 \div 37 = 166 \text{ remainder } 21$$

```

      166
37 | 6163
    37
    --
    246
    222
    ---

```

```

243
222
---
21 ← remainder

```

$$6163 \div 41 = 150 \text{ remainder } 13$$

```

150
41 | 6163
   41
   --
   206
   205
   ---
    13
    0
    -
    13 ← remainder

```

$$6163 \div 43 = 143 \text{ remainder } 14$$

```

143
43 | 6163
   43
   --
   186
   172
   ---
    143
    129
    ---
     14 ← remainder

```

$$6163 \div 47 = 131 \text{ remainder } 6$$

```

131
47 | 6163
   47
   --
   146
   141
   ---
    53
    47

```


--
6 ← remainder

$$6163 \div 53 = 116 \text{ remainder } 15$$

```
      116
53 | 6163
    53
    --
    86
    53
    --
    333
    318
    ---
    15 ← remainder
```

$$6163 \div 59 = 104 \text{ remainder } 27$$

```
      104
59 | 6163
    59
    --
    26
    0
    -
    263
    236
    ---
    27 ← remainder
```

$$6163 \div 61 = 101 \text{ remainder } 2$$

```
      101
61 | 6163
    61
    --
    6
    0
    -
    63
    61
    --
    2 ← remainder
```

$$6163 \div 67 = 91 \text{ remainder } 66$$

$$\begin{array}{r} 91 \\ 67 \overline{) 6163} \\ \underline{603} \\ 133 \\ \underline{67} \\ 66 \leftarrow \text{remainder} \end{array}$$

$$6163 \div 71 = 86 \text{ remainder } 57$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6163} \\ \underline{568} \\ 483 \\ \underline{426} \\ 57 \leftarrow \text{remainder} \end{array}$$

$$6163 \div 73 = 84 \text{ remainder } 31$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6163} \\ \underline{584} \\ 323 \\ \underline{292} \\ 31 \leftarrow \text{remainder} \end{array}$$

P₈₀₄ 6173

$$6173 \div 2 = 3086 \text{ remainder } 1$$

$$\begin{array}{r} 3086 \\ 2 \mid 6173 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 3 = 2057 \text{ remainder } 2$$

$$\begin{array}{r} 2057 \\ 3 \mid 6173 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 5 = 1234 \text{ remainder } 3$$

$$\begin{array}{r} 1234 \\ 5 \mid 6173 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
17
15
--
23
20
--
3 ← remainder

```

$$6173 \div 7 = 881 \text{ remainder } 6$$

```

      881
7 | 6173
   56
   --
   57
   56
   --
   13
   7
   -
   6 ← remainder

```

$$6173 \div 11 = 561 \text{ remainder } 2$$

```

      561
11 | 6173
   55
   --
   67
   66
   --
   13
   11
   --
   2 ← remainder

```

$$6173 \div 13 = 474 \text{ remainder } 11$$

```

      474
13 | 6173
   52

```

```

--
97
91
--
63
52
--
11 ← remainder

```

$$6173 \div 17 = 363 \text{ remainder } 2$$

```

      363
17 | 6173
    51
    --
    107
    102
    ---
     53
     51
     --
     2 ← remainder

```

$$6173 \div 19 = 324 \text{ remainder } 17$$

```

      324
19 | 6173
    57
    --
    47
    38
    --
    93
    76
    --
    17 ← remainder

```

$$6173 \div 23 = 268 \text{ remainder } 9$$

```

      268
23 | 6173
    46
    --
    157

```

```

138
---
193
184
---
9 ← remainder

```

$$6173 \div 29 = 212 \text{ remainder } 25$$

```

      212
29 | 6173
    58
    --
    37
    29
    --
    83
    58
    --
    25 ← remainder

```

$$6173 \div 31 = 199 \text{ remainder } 4$$

```

      199
31 | 6173
    31
    --
    307
    279
    ---
    283
    279
    ---
    4 ← remainder

```

$$6173 \div 37 = 166 \text{ remainder } 31$$

```

      166
37 | 6173
    37
    --
    247
    222
    ---

```

```

253
222
---
31 ← remainder

```

$$6173 \div 41 = 150 \text{ remainder } 23$$

```

      150
41 | 6173
    41
    --
    207
    205
    ---
     23
     0
     -
     23 ← remainder

```

$$6173 \div 43 = 143 \text{ remainder } 24$$

```

      143
43 | 6173
    43
    --
    187
    172
    ---
    153
    129
    ---
     24 ← remainder

```

$$6173 \div 47 = 131 \text{ remainder } 16$$

```

      131
47 | 6173
    47
    --
    147
    141
    ---
     63
     47

```

--
16 ← remainder

$$6173 \div 53 = 116 \text{ remainder } 25$$

116
53 | 6173
53
--
87
53
--
343
318

25 ← remainder

$$6173 \div 59 = 104 \text{ remainder } 37$$

104
59 | 6173
59
--
27
0
-
273
236

37 ← remainder

$$6173 \div 61 = 101 \text{ remainder } 12$$

101
61 | 6173
61
--
7
0
-
73
61
--
12 ← remainder

$$6173 \div 67 = 92 \text{ remainder } 9$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6173} \\ \underline{603} \\ 143 \\ \underline{134} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 71 = 86 \text{ remainder } 67$$

$$\begin{array}{r} 86 \\ 71 \overline{) 6173} \\ \underline{568} \\ 493 \\ \underline{426} \\ 67 \leftarrow \text{remainder} \end{array}$$

$$6173 \div 73 = 84 \text{ remainder } 41$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6173} \\ \underline{584} \\ 333 \\ \underline{292} \\ 41 \leftarrow \text{remainder} \end{array}$$

P₈₀₅ 6197

$$6197 \div 2 = 3098 \text{ remainder } 1$$

$$\begin{array}{r} 3098 \\ 2 \mid 6197 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 3 = 2065 \text{ remainder } 2$$

$$\begin{array}{r} 2065 \\ 3 \mid 6197 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 5 = 1239 \text{ remainder } 2$$

$$\begin{array}{r} 1239 \\ 5 \mid 6197 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
19
15
--
47
45
--
2 ← remainder

```

$$6197 \div 7 = 885 \text{ remainder } 2$$

```

      885
7 | 6197
   56
   --
   59
   56
   --
   37
   35
   --
   2 ← remainder

```

$$6197 \div 11 = 563 \text{ remainder } 4$$

```

      563
11 | 6197
   55
   --
   69
   66
   --
   37
   33
   --
   4 ← remainder

```

$$6197 \div 13 = 476 \text{ remainder } 9$$

```

      476
13 | 6197
   52

```

```

--
99
91
--
87
78
--
9 ← remainder

```

$$6197 \div 17 = 364 \text{ remainder } 9$$

```

      364
17 | 6197
    51
    --
    109
    102
    ---
     77
     68
     --
     9 ← remainder

```

$$6197 \div 19 = 326 \text{ remainder } 3$$

```

      326
19 | 6197
    57
    --
    49
    38
    --
    117
    114
    ---
     3 ← remainder

```

$$6197 \div 23 = 269 \text{ remainder } 10$$

```

      269
23 | 6197
    46
    --
    159

```

```

138
---
217
207
---
10 ← remainder

```

$$6197 \div 29 = 213 \text{ remainder } 20$$

```

      213
29 | 6197
    58
    --
     39
     29
     --
     107
     87
     --
      20 ← remainder

```

$$6197 \div 31 = 199 \text{ remainder } 28$$

```

      199
31 | 6197
    31
    --
    309
    279
    ---
     307
     279
     ---
      28 ← remainder

```

$$6197 \div 37 = 167 \text{ remainder } 18$$

```

      167
37 | 6197
    37
    --
    249
    222
    ---

```

```

277
259
---
18 ← remainder

```

$$6197 \div 41 = 151 \text{ remainder } 6$$

```

      151
41 | 6197
    41
    --
    209
    205
    ---
     47
     41
     --
      6 ← remainder

```

$$6197 \div 43 = 144 \text{ remainder } 5$$

```

      144
43 | 6197
    43
    --
    189
    172
    ---
     177
     172
     ---
      5 ← remainder

```

$$6197 \div 47 = 131 \text{ remainder } 40$$

```

      131
47 | 6197
    47
    --
    149
    141
    ---
     87
     47

```

--
40 ← remainder

$$6197 \div 53 = 116 \text{ remainder } 49$$

116
53 | 6197
53
--
89
53
--
367
318

49 ← remainder

$$6197 \div 59 = 105 \text{ remainder } 2$$

105
59 | 6197
59
--
29
0
-
297
295

2 ← remainder

$$6197 \div 61 = 101 \text{ remainder } 36$$

101
61 | 6197
61
--
9
0
-
97
61
--
36 ← remainder

$$6197 \div 67 = 92 \text{ remainder } 33$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6197} \\ \underline{603} \\ 167 \\ \underline{134} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 71 = 87 \text{ remainder } 20$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6197} \\ \underline{568} \\ 517 \\ \underline{497} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6197 \div 73 = 84 \text{ remainder } 65$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6197} \\ \underline{584} \\ 357 \\ \underline{292} \\ 65 \leftarrow \text{remainder} \end{array}$$

P₈₀₆ 6199

$$6199 \div 2 = 3099 \text{ remainder } 1$$

$$\begin{array}{r} 3099 \\ 2 \mid 6199 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6199 \div 3 = 2066 \text{ remainder } 1$$

$$\begin{array}{r} 2066 \\ 3 \mid 6199 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6199 \div 5 = 1239 \text{ remainder } 4$$

$$\begin{array}{r} 1239 \\ 5 \mid 6199 \\ \underline{5} \\ - \end{array}$$

```

11
10
--
19
15
--
49
45
--
4 ← remainder

```

$$6199 \div 7 = 885 \text{ remainder } 4$$

```

      885
7 | 6199
   56
   --
   59
   56
   --
   39
   35
   --
   4 ← remainder

```

$$6199 \div 11 = 563 \text{ remainder } 6$$

```

      563
11 | 6199
   55
   --
   69
   66
   --
   39
   33
   --
   6 ← remainder

```

$$6199 \div 13 = 476 \text{ remainder } 11$$

```

      476
13 | 6199
   52

```

```

--
99
91
--
89
78
--
11 ← remainder

```

$$6199 \div 17 = 364 \text{ remainder } 11$$

```

      364
17 | 6199
    51
    --
    109
    102
    ---
     79
     68
     --
    11 ← remainder

```

$$6199 \div 19 = 326 \text{ remainder } 5$$

```

      326
19 | 6199
    57
    --
    49
    38
    --
    119
    114
    ---
     5 ← remainder

```

$$6199 \div 23 = 269 \text{ remainder } 12$$

```

      269
23 | 6199
    46
    --
    159

```

```

138
---
219
207
---
12 ← remainder

```

$$6199 \div 29 = 213 \text{ remainder } 22$$

```

      213
29 | 6199
    58
    --
     39
     29
     --
     109
     87
     --
     22 ← remainder

```

$$6199 \div 31 = 199 \text{ remainder } 30$$

```

      199
31 | 6199
    31
    --
    309
    279
    ---
     309
     279
     ---
      30 ← remainder

```

$$6199 \div 37 = 167 \text{ remainder } 20$$

```

      167
37 | 6199
    37
    --
    249
    222
    ---

```

```

279
259
---
20 ← remainder

```

$$6199 \div 41 = 151 \text{ remainder } 8$$

```

      151
41 | 6199
    41
    --
    209
    205
    ---
     49
     41
     --
      8 ← remainder

```

$$6199 \div 43 = 144 \text{ remainder } 7$$

```

      144
43 | 6199
    43
    --
    189
    172
    ---
    179
    172
    ---
     7 ← remainder

```

$$6199 \div 47 = 131 \text{ remainder } 42$$

```

      131
47 | 6199
    47
    --
    149
    141
    ---
     89
     47

```

--
42 ← remainder

$$6199 \div 53 = 116 \text{ remainder } 51$$

116
53 | 6199
53
--
89
53
--
369
318

51 ← remainder

$$6199 \div 59 = 105 \text{ remainder } 4$$

105
59 | 6199
59
--
29
0
-
299
295

4 ← remainder

$$6199 \div 61 = 101 \text{ remainder } 38$$

101
61 | 6199
61
--
9
0
-
99
61
--
38 ← remainder

$$6199 \div 67 = 92 \text{ remainder } 35$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6199} \\ \underline{603} \\ 169 \\ \underline{134} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6199 \div 71 = 87 \text{ remainder } 22$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6199} \\ \underline{568} \\ 519 \\ \underline{497} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6199 \div 73 = 84 \text{ remainder } 67$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6199} \\ \underline{584} \\ 359 \\ \underline{292} \\ 67 \leftarrow \text{remainder} \end{array}$$

P₈₀₇ 6203

$$6203 \div 2 = 3101 \text{ remainder } 1$$

$$\begin{array}{r} 3101 \\ 2 \mid 6203 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 3 = 2067 \text{ remainder } 2$$

$$\begin{array}{r} 2067 \\ 3 \mid 6203 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 20 \\ \underline{18} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 5 = 1240 \text{ remainder } 3$$

$$\begin{array}{r} 1240 \\ 5 \mid 6203 \\ \underline{5} \\ - \end{array}$$


```

12
10
--
20
20
--
3
0
-
3 ← remainder

```

$$6203 \div 7 = 886 \text{ remainder } 1$$

```

      886
7 | 6203
   56
   --
   60
   56
   --
   43
   42
   --
   1 ← remainder

```

$$6203 \div 11 = 563 \text{ remainder } 10$$

```

      563
11 | 6203
   55
   --
   70
   66
   --
   43
   33
   --
  10 ← remainder

```

$$6203 \div 13 = 477 \text{ remainder } 2$$

```

      477
13 | 6203
   52

```

```

--
100
91
--
93
91
--
2 ← remainder

```

$$6203 \div 17 = 364 \text{ remainder } 15$$

```

      364
17 | 6203
    51
    --
    110
    102
    ---
     83
     68
     --
    15 ← remainder

```

$$6203 \div 19 = 326 \text{ remainder } 9$$

```

      326
19 | 6203
    57
    --
    50
    38
    --
    123
    114
    ---
     9 ← remainder

```

$$6203 \div 23 = 269 \text{ remainder } 16$$

```

      269
23 | 6203
    46
    --
    160

```

```

138
---
223
207
---
16 ← remainder

```

$$6203 \div 29 = 213 \text{ remainder } 26$$

```

      213
29 | 6203
    58
    --
    40
    29
    --
    113
    87
    --
    26 ← remainder

```

$$6203 \div 31 = 200 \text{ remainder } 3$$

```

      200
31 | 6203
    62
    --
    0
    0
    -
    3
    0
    -
    3 ← remainder

```

$$6203 \div 37 = 167 \text{ remainder } 24$$

```

      167
37 | 6203
    37
    --
    250
    222
    ---

```

```

283
259
---
24 ← remainder

```

$$6203 \div 41 = 151 \text{ remainder } 12$$

```

151
41 | 6203
   41
   --
   210
   205
   ---
    53
    41
    --
    12 ← remainder

```

$$6203 \div 43 = 144 \text{ remainder } 11$$

```

144
43 | 6203
   43
   --
   190
   172
   ---
    183
    172
    ---
     11 ← remainder

```

$$6203 \div 47 = 131 \text{ remainder } 46$$

```

131
47 | 6203
   47
   --
   150
   141
   ---
    93
    47

```

--
46 ← remainder

$$6203 \div 53 = 117 \text{ remainder } 2$$

```
    117
53 | 6203
    53
    --
    90
    53
    --
    373
    371
    ---
    2 ← remainder
```

$$6203 \div 59 = 105 \text{ remainder } 8$$

```
    105
59 | 6203
    59
    --
    30
    0
    -
    303
    295
    ---
    8 ← remainder
```

$$6203 \div 61 = 101 \text{ remainder } 42$$

```
    101
61 | 6203
    61
    --
    10
    0
    -
    103
    61
    --
    42 ← remainder
```

$$6203 \div 67 = 92 \text{ remainder } 39$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6203} \\ \underline{603} \\ 173 \\ \underline{134} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 71 = 87 \text{ remainder } 26$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6203} \\ \underline{568} \\ 523 \\ \underline{497} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6203 \div 73 = 84 \text{ remainder } 71$$

$$\begin{array}{r} 84 \\ 73 \overline{) 6203} \\ \underline{584} \\ 363 \\ \underline{292} \\ 71 \leftarrow \text{remainder} \end{array}$$

P₈₀₈ 6211

$$6211 \div 2 = 3105 \text{ remainder } 1$$

$$\begin{array}{r} 3105 \\ 2 \mid 6211 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6211 \div 3 = 2070 \text{ remainder } 1$$

$$\begin{array}{r} 2070 \\ 3 \mid 6211 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 21 \\ \underline{21} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6211 \div 5 = 1242 \text{ remainder } 1$$

$$\begin{array}{r} 1242 \\ 5 \mid 6211 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
21
20
--
11
10
--
1 ← remainder

```

$$6211 \div 7 = 887 \text{ remainder } 2$$

```

      887
7 | 6211
   56
   --
   61
   56
   --
   51
   49
   --
   2 ← remainder

```

$$6211 \div 11 = 564 \text{ remainder } 7$$

```

      564
11 | 6211
   55
   --
   71
   66
   --
   51
   44
   --
   7 ← remainder

```

$$6211 \div 13 = 477 \text{ remainder } 10$$

```

      477
13 | 6211
   52

```



```

--
101
91
--
101
91
--
10 ← remainder

```

$$6211 \div 17 = 365 \text{ remainder } 6$$

```

      365
17 | 6211
    51
    --
    111
    102
    ---
     91
     85
     --
     6 ← remainder

```

$$6211 \div 19 = 326 \text{ remainder } 17$$

```

      326
19 | 6211
    57
    --
    51
    38
    --
    131
    114
    ---
    17 ← remainder

```

$$6211 \div 23 = 270 \text{ remainder } 1$$

```

      270
23 | 6211
    46
    --
    161

```

```

161
---
1
0
-
-
1 ← remainder

```

$$6211 \div 29 = 214 \text{ remainder } 5$$

```

      214
29 | 6211
    58
    --
    41
    29
    --
    121
    116
    ---
    5 ← remainder

```

$$6211 \div 31 = 200 \text{ remainder } 11$$

```

      200
31 | 6211
    62
    --
    1
    0
    -
    11
    0
    -
    11 ← remainder

```

$$6211 \div 37 = 167 \text{ remainder } 32$$

```

      167
37 | 6211
    37
    --
    251
    222
    ---

```

```

291
259
---
32 ← remainder

```

$$6211 \div 41 = 151 \text{ remainder } 20$$

```

      151
41 | 6211
    41
    --
    211
    205
    ---
     61
     41
     --
     20 ← remainder

```

$$6211 \div 43 = 144 \text{ remainder } 19$$

```

      144
43 | 6211
    43
    --
    191
    172
    ---
     191
     172
     ---
      19 ← remainder

```

$$6211 \div 47 = 132 \text{ remainder } 7$$

```

      132
47 | 6211
    47
    --
    151
    141
    ---
     101
     94

```

--
7 ← remainder

$$6211 \div 53 = 117 \text{ remainder } 10$$

```
      117
53 | 6211
    53
    --
    91
    53
    --
    381
    371
    ---
    10 ← remainder
```

$$6211 \div 59 = 105 \text{ remainder } 16$$

```
      105
59 | 6211
    59
    --
    31
    0
    -
    311
    295
    ---
    16 ← remainder
```

$$6211 \div 61 = 101 \text{ remainder } 50$$

```
      101
61 | 6211
    61
    --
    11
    0
    -
    111
    61
    --
    50 ← remainder
```

$$6211 \div 67 = 92 \text{ remainder } 47$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6211} \\ \underline{603} \\ 181 \\ \underline{134} \\ 47 \leftarrow \text{remainder} \end{array}$$

$$6211 \div 71 = 87 \text{ remainder } 34$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6211} \\ \underline{568} \\ 531 \\ \underline{497} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6211 \div 73 = 85 \text{ remainder } 6$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6211} \\ \underline{584} \\ 371 \\ \underline{365} \\ 6 \leftarrow \text{remainder} \end{array}$$

P₈₀₉ 6217

$$6217 \div 2 = 3108 \text{ remainder } 1$$

$$\begin{array}{r} 3108 \\ 2 \mid 6217 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6217 \div 3 = 2072 \text{ remainder } 1$$

$$\begin{array}{r} 2072 \\ 3 \mid 6217 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 21 \\ \underline{21} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6217 \div 5 = 1243 \text{ remainder } 2$$

$$\begin{array}{r} 1243 \\ 5 \mid 6217 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
21
20
--
17
15
--
2 ← remainder

```

$$6217 \div 7 = 888 \text{ remainder } 1$$

```

      888
7 | 6217
   56
   --
   61
   56
   --
   57
   56
   --
   1 ← remainder

```

$$6217 \div 11 = 565 \text{ remainder } 2$$

```

      565
11 | 6217
   55
   --
   71
   66
   --
   57
   55
   --
   2 ← remainder

```

$$6217 \div 13 = 478 \text{ remainder } 3$$

```

      478
13 | 6217
   52

```

```

--
101
91
--
107
104
---
3 ← remainder

```

$$6217 \div 17 = 365 \text{ remainder } 12$$

```

      365
17 | 6217
    51
    --
    111
    102
    ---
     97
     85
     --
    12 ← remainder

```

$$6217 \div 19 = 327 \text{ remainder } 4$$

```

      327
19 | 6217
    57
    --
    51
    38
    --
    137
    133
    ---
     4 ← remainder

```

$$6217 \div 23 = 270 \text{ remainder } 7$$

```

      270
23 | 6217
    46
    --
    161

```



```

161
---
7
0
-
-
7 ← remainder

```

$$6217 \div 29 = 214 \text{ remainder } 11$$

```

      214
29 | 6217
    58
    --
    41
    29
    --
    127
    116
    ---
    11 ← remainder

```

$$6217 \div 31 = 200 \text{ remainder } 17$$

```

      200
31 | 6217
    62
    --
    1
    0
    -
    17
    0
    -
    17 ← remainder

```

$$6217 \div 37 = 168 \text{ remainder } 1$$

```

      168
37 | 6217
    37
    --
    251
    222
    ---

```

```

297
296
---
1 ← remainder

```

$$6217 \div 41 = 151 \text{ remainder } 26$$

```

151
41 | 6217
   41
   --
   211
   205
   ---
    67
    41
    --
    26 ← remainder

```

$$6217 \div 43 = 144 \text{ remainder } 25$$

```

144
43 | 6217
   43
   --
   191
   172
   ---
    197
    172
    ---
     25 ← remainder

```

$$6217 \div 47 = 132 \text{ remainder } 13$$

```

132
47 | 6217
   47
   --
   151
   141
   ---
    107
    94

```

--
13 ← remainder

$$6217 \div 53 = 117 \text{ remainder } 16$$

```
      117
53 | 6217
    53
    --
    91
    53
    --
    387
    371
    ---
    16 ← remainder
```

$$6217 \div 59 = 105 \text{ remainder } 22$$

```
      105
59 | 6217
    59
    --
    31
    0
    -
    317
    295
    ---
    22 ← remainder
```

$$6217 \div 61 = 101 \text{ remainder } 56$$

```
      101
61 | 6217
    61
    --
    11
    0
    -
    117
    61
    --
    56 ← remainder
```

$$6217 \div 67 = 92 \text{ remainder } 53$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6217} \\ \underline{603} \\ 187 \\ \underline{134} \\ 53 \leftarrow \text{remainder} \end{array}$$

$$6217 \div 71 = 87 \text{ remainder } 40$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6217} \\ \underline{568} \\ 537 \\ \underline{497} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$6217 \div 73 = 85 \text{ remainder } 12$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6217} \\ \underline{584} \\ 377 \\ \underline{365} \\ 12 \leftarrow \text{remainder} \end{array}$$

P₈₁₀ 6221

$$6221 \div 2 = 3110 \text{ remainder } 1$$

$$\begin{array}{r} 3110 \\ 2 \mid 6221 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6221 \div 3 = 2073 \text{ remainder } 2$$

$$\begin{array}{r} 2073 \\ 3 \mid 6221 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 22 \\ \underline{21} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6221 \div 5 = 1244 \text{ remainder } 1$$

$$\begin{array}{r} 1244 \\ 5 \mid 6221 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
22
20
--
21
20
--
1 ← remainder

```

$$6221 \div 7 = 888 \text{ remainder } 5$$

```

      888
7 | 6221
   56
   --
   62
   56
   --
   61
   56
   --
   5 ← remainder

```

$$6221 \div 11 = 565 \text{ remainder } 6$$

```

      565
11 | 6221
   55
   --
   72
   66
   --
   61
   55
   --
   6 ← remainder

```

$$6221 \div 13 = 478 \text{ remainder } 7$$

```

      478
13 | 6221
   52

```

```

--
102
91
--
111
104
---
7 ← remainder

```

$$6221 \div 17 = 365 \text{ remainder } 16$$

```

      365
17 | 6221
    51
    --
    112
    102
    ---
    101
    85
    --
    16 ← remainder

```

$$6221 \div 19 = 327 \text{ remainder } 8$$

```

      327
19 | 6221
    57
    --
    52
    38
    --
    141
    133
    ---
    8 ← remainder

```

$$6221 \div 23 = 270 \text{ remainder } 11$$

```

      270
23 | 6221
    46
    --
    162

```

```

161
---
11
0
-
11 ← remainder

```

$$6221 \div 29 = 214 \text{ remainder } 15$$

```

      214
29 | 6221
    58
    --
    42
    29
    --
    131
    116
    ---
    15 ← remainder

```

$$6221 \div 31 = 200 \text{ remainder } 21$$

```

      200
31 | 6221
    62
    --
    2
    0
    -
    21
    0
    -
    21 ← remainder

```

$$6221 \div 37 = 168 \text{ remainder } 5$$

```

      168
37 | 6221
    37
    --
    252
    222
    ---

```



```

301
296
---
5 ← remainder

```

$$6221 \div 41 = 151 \text{ remainder } 30$$

```

151
41 | 6221
   41
   --
   212
   205
   ---
    71
    41
    --
    30 ← remainder

```

$$6221 \div 43 = 144 \text{ remainder } 29$$

```

144
43 | 6221
   43
   --
   192
   172
   ---
    201
    172
    ---
     29 ← remainder

```

$$6221 \div 47 = 132 \text{ remainder } 17$$

```

132
47 | 6221
   47
   --
   152
   141
   ---
    111
    94

```

--
17 ← remainder

$$6221 \div 53 = 117 \text{ remainder } 20$$

```
    117
53 | 6221
    53
    --
    92
    53
    --
    391
    371
    ---
    20 ← remainder
```

$$6221 \div 59 = 105 \text{ remainder } 26$$

```
    105
59 | 6221
    59
    --
    32
    0
    -
    321
    295
    ---
    26 ← remainder
```

$$6221 \div 61 = 101 \text{ remainder } 60$$

```
    101
61 | 6221
    61
    --
    12
    0
    -
    121
    61
    --
    60 ← remainder
```

$$6221 \div 67 = 92 \text{ remainder } 57$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6221} \\ \underline{603} \\ 191 \\ \underline{134} \\ 57 \leftarrow \text{remainder} \end{array}$$

$$6221 \div 71 = 87 \text{ remainder } 44$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6221} \\ \underline{568} \\ 541 \\ \underline{497} \\ 44 \leftarrow \text{remainder} \end{array}$$

$$6221 \div 73 = 85 \text{ remainder } 16$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6221} \\ \underline{584} \\ 381 \\ \underline{365} \\ 16 \leftarrow \text{remainder} \end{array}$$

P₈₁₁ 6229

$$6229 \div 2 = 3114 \text{ remainder } 1$$

$$\begin{array}{r} 3114 \\ 2 \mid 6229 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 3 = 2076 \text{ remainder } 1$$

$$\begin{array}{r} 2076 \\ 3 \mid 6229 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 22 \\ \underline{21} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 5 = 1245 \text{ remainder } 4$$

$$\begin{array}{r} 1245 \\ 5 \mid 6229 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
22
20
--
29
25
--
4 ← remainder

```

$$6229 \div 7 = 889 \text{ remainder } 6$$

```

      889
7 | 6229
   56
   --
   62
   56
   --
   69
   63
   --
   6 ← remainder

```

$$6229 \div 11 = 566 \text{ remainder } 3$$

```

      566
11 | 6229
   55
   --
   72
   66
   --
   69
   66
   --
   3 ← remainder

```

$$6229 \div 13 = 479 \text{ remainder } 2$$

```

      479
13 | 6229
   52

```

```

--
102
91
--
119
117
---
2 ← remainder

```

$$6229 \div 17 = 366 \text{ remainder } 7$$

```

366
17 | 6229
  51
  --
  112
  102
  ---
  109
  102
  ---
  7 ← remainder

```

$$6229 \div 19 = 327 \text{ remainder } 16$$

```

327
19 | 6229
  57
  --
  52
  38
  --
  149
  133
  ---
  16 ← remainder

```

$$6229 \div 23 = 270 \text{ remainder } 19$$

```

270
23 | 6229
  46
  --
  162

```

```

161
---
19
0
-
19 ← remainder

```

$$6229 \div 29 = 214 \text{ remainder } 23$$

```

      214
29 | 6229
    58
    --
    42
    29
    --
    139
    116
    ---
    23 ← remainder

```

$$6229 \div 31 = 200 \text{ remainder } 29$$

```

      200
31 | 6229
    62
    --
     2
     0
     -
    29
     0
     -
    29 ← remainder

```

$$6229 \div 37 = 168 \text{ remainder } 13$$

```

      168
37 | 6229
    37
    --
    252
    222
    ---

```

```

309
296
---
13 ← remainder

```

$$6229 \div 41 = 151 \text{ remainder } 38$$

```

151
41 | 6229
   41
   --
   212
   205
   ---
    79
    41
    --
    38 ← remainder

```

$$6229 \div 43 = 144 \text{ remainder } 37$$

```

144
43 | 6229
   43
   --
   192
   172
   ---
   209
   172
   ---
    37 ← remainder

```

$$6229 \div 47 = 132 \text{ remainder } 25$$

```

132
47 | 6229
   47
   --
   152
   141
   ---
   119
    94

```


--
25 ← remainder

$$6229 \div 53 = 117 \text{ remainder } 28$$

117
53 | 6229
53
--
92
53
--
399
371

28 ← remainder

$$6229 \div 59 = 105 \text{ remainder } 34$$

105
59 | 6229
59
--
32
0
-
329
295

34 ← remainder

$$6229 \div 61 = 102 \text{ remainder } 7$$

102
61 | 6229
61
--
12
0
-
129
122

7 ← remainder

$$6229 \div 67 = 92 \text{ remainder } 65$$

$$\begin{array}{r} 92 \\ 67 \overline{) 6229} \\ \underline{603} \\ 199 \\ \underline{134} \\ 65 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 71 = 87 \text{ remainder } 52$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6229} \\ \underline{568} \\ 549 \\ \underline{497} \\ 52 \leftarrow \text{remainder} \end{array}$$

$$6229 \div 73 = 85 \text{ remainder } 24$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6229} \\ \underline{584} \\ 389 \\ \underline{365} \\ 24 \leftarrow \text{remainder} \end{array}$$

P₈₁₂ 6247

$$6247 \div 2 = 3123 \text{ remainder } 1$$

$$\begin{array}{r} 3123 \\ 2 \mid 6247 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 3 = 2082 \text{ remainder } 1$$

$$\begin{array}{r} 2082 \\ 3 \mid 6247 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 24 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 5 = 1249 \text{ remainder } 2$$

$$\begin{array}{r} 1249 \\ 5 \mid 6247 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
24
20
--
47
45
--
2 ← remainder

```

$$6247 \div 7 = 892 \text{ remainder } 3$$

```

      892
7 | 6247
  56
  --
   64
   63
   --
   17
   14
   --
   3 ← remainder

```

$$6247 \div 11 = 567 \text{ remainder } 10$$

```

      567
11 | 6247
   55
   --
   74
   66
   --
   87
   77
   --
  10 ← remainder

```

$$6247 \div 13 = 480 \text{ remainder } 7$$

```

      480
13 | 6247
   52

```

```

--
104
104
---
7
0
-
7 ← remainder

```

$$6247 \div 17 = 367 \text{ remainder } 8$$

```

      367
17 | 6247
    51
    --
    114
    102
    ---
    127
    119
    ---
    8 ← remainder

```

$$6247 \div 19 = 328 \text{ remainder } 15$$

```

      328
19 | 6247
    57
    --
    54
    38
    --
    167
    152
    ---
    15 ← remainder

```

$$6247 \div 23 = 271 \text{ remainder } 14$$

```

      271
23 | 6247
    46
    --
    164

```

```

161
---
37
23
--
14 ← remainder

```

$$6247 \div 29 = 215 \text{ remainder } 12$$

```

      215
29 | 6247
    58
    --
    44
    29
    --
    157
    145
    ---
    12 ← remainder

```

$$6247 \div 31 = 201 \text{ remainder } 16$$

```

      201
31 | 6247
    62
    --
     4
     0
     -
    47
    31
    --
    16 ← remainder

```

$$6247 \div 37 = 168 \text{ remainder } 31$$

```

      168
37 | 6247
    37
    --
    254
    222
    ---

```

```

327
296
---
31 ← remainder

```

$$6247 \div 41 = 152 \text{ remainder } 15$$

```

      152
41 | 6247
    41
    --
    214
    205
    ---
     97
     82
     --
    15 ← remainder

```

$$6247 \div 43 = 145 \text{ remainder } 12$$

```

      145
43 | 6247
    43
    --
    194
    172
    ---
    227
    215
    ---
    12 ← remainder

```

$$6247 \div 47 = 132 \text{ remainder } 43$$

```

      132
47 | 6247
    47
    --
    154
    141
    ---
    137
     94

```

--
43 ← remainder

$$6247 \div 53 = 117 \text{ remainder } 46$$

117
53 | 6247
53
--
94
53
--
417
371

46 ← remainder

$$6247 \div 59 = 105 \text{ remainder } 52$$

105
59 | 6247
59
--
34
0
-
347
295

52 ← remainder

$$6247 \div 61 = 102 \text{ remainder } 25$$

102
61 | 6247
61
--
14
0
-
147
122

25 ← remainder

$$6247 \div 67 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6247} \\ \underline{603} \\ 217 \\ \underline{201} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 71 = 87 \text{ remainder } 70$$

$$\begin{array}{r} 87 \\ 71 \overline{) 6247} \\ \underline{568} \\ 567 \\ \underline{497} \\ 70 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 73 = 85 \text{ remainder } 42$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6247} \\ \underline{584} \\ 407 \\ \underline{365} \\ 42 \leftarrow \text{remainder} \end{array}$$

$$6247 \div 79 = 79 \text{ remainder } 6$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6247} \\ \underline{553} \\ 717 \\ \underline{711} \\ 6 \leftarrow \text{remainder} \end{array}$$

P₈₁₃ 6257

$$6257 \div 2 = 3128 \text{ remainder } 1$$

$$\begin{array}{r} 3128 \\ 2 \mid 6257 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 3 = 2085 \text{ remainder } 2$$

$$\begin{array}{r} 2085 \\ 3 \mid 6257 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 25 \\ \underline{24} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 5 = 1251 \text{ remainder } 2$$

$$\begin{array}{r} 1251 \\ 5 \mid 6257 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
25
25
--
7
5
-
2 ← remainder

```

$$6257 \div 7 = 893 \text{ remainder } 6$$

```

      893
7 | 6257
  56
  --
   65
   63
   --
   27
   21
   --
    6 ← remainder

```

$$6257 \div 11 = 568 \text{ remainder } 9$$

```

      568
11 | 6257
   55
   --
   75
   66
   --
   97
   88
   --
    9 ← remainder

```

$$6257 \div 13 = 481 \text{ remainder } 4$$

```

      481
13 | 6257
   52

```

```

--
105
104
---
17
13
--
4 ← remainder

```

$$6257 \div 17 = 368 \text{ remainder } 1$$

```

      368
17 | 6257
    51
    --
    115
    102
    ---
    137
    136
    ---
    1 ← remainder

```

$$6257 \div 19 = 329 \text{ remainder } 6$$

```

      329
19 | 6257
    57
    --
    55
    38
    --
    177
    171
    ---
    6 ← remainder

```

$$6257 \div 23 = 272 \text{ remainder } 1$$

```

      272
23 | 6257
    46
    --
    165

```

```

161
---
47
46
--
1 ← remainder

```

$$6257 \div 29 = 215 \text{ remainder } 22$$

```

      215
29 | 6257
    58
    --
    45
    29
    --
    167
    145
    ---
    22 ← remainder

```

$$6257 \div 31 = 201 \text{ remainder } 26$$

```

      201
31 | 6257
    62
    --
     5
     0
     -
     57
     31
     --
    26 ← remainder

```

$$6257 \div 37 = 169 \text{ remainder } 4$$

```

      169
37 | 6257
    37
    --
    255
    222
    ---

```

```

337
333
---
4 ← remainder

```

$$6257 \div 41 = 152 \text{ remainder } 25$$

```

152
41 | 6257
   41
   --
   215
   205
   ---
   107
   82
   --
   25 ← remainder

```

$$6257 \div 43 = 145 \text{ remainder } 22$$

```

145
43 | 6257
   43
   --
   195
   172
   ---
   237
   215
   ---
   22 ← remainder

```

$$6257 \div 47 = 133 \text{ remainder } 6$$

```

133
47 | 6257
   47
   --
   155
   141
   ---
   147
   141

```

6 ← remainder

$$6257 \div 53 = 118 \text{ remainder } 3$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6257} \\ \underline{53} \end{array}$$

--

95

53

--

427

424

3 ← remainder

$$6257 \div 59 = 106 \text{ remainder } 3$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6257} \\ \underline{59} \end{array}$$

--

35

0

-

357

354

3 ← remainder

$$6257 \div 61 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6257} \\ \underline{61} \end{array}$$

--

15

0

-

157

122

35 ← remainder

$$6257 \div 67 = 93 \text{ remainder } 26$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6257} \\ \underline{603} \\ 227 \\ \underline{201} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 71 = 88 \text{ remainder } 9$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6257} \\ \underline{568} \\ 577 \\ \underline{568} \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 73 = 85 \text{ remainder } 52$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6257} \\ \underline{584} \\ 417 \\ \underline{365} \\ 52 \leftarrow \text{remainder} \end{array}$$

$$6257 \div 79 = 79 \text{ remainder } 16$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6257} \\ \underline{553} \\ 727 \\ \underline{711} \\ 16 \leftarrow \text{remainder} \end{array}$$

P₈₁₄ 6263

$$6263 \div 2 = 3131 \text{ remainder } 1$$

$$\begin{array}{r} 3131 \\ 2 \mid 6263 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6263 \div 3 = 2087 \text{ remainder } 2$$

$$\begin{array}{r} 2087 \\ 3 \mid 6263 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 26 \\ \underline{24} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6263 \div 5 = 1252 \text{ remainder } 3$$

$$\begin{array}{r} 1252 \\ 5 \mid 6263 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
26
25
--
13
10
--
3 ← remainder

```

$$6263 \div 7 = 894 \text{ remainder } 5$$

```

      894
7 | 6263
   56
   --
   66
   63
   --
   33
   28
   --
   5 ← remainder

```

$$6263 \div 11 = 569 \text{ remainder } 4$$

```

      569
11 | 6263
   55
   --
   76
   66
   --
  103
   99
   --
   4 ← remainder

```

$$6263 \div 13 = 481 \text{ remainder } 10$$

```

      481
13 | 6263
   52

```

```

--
106
104
---
23
13
--
10 ← remainder

```

$$6263 \div 17 = 368 \text{ remainder } 7$$

```

      368
17 | 6263
    51
    --
    116
    102
    ---
    143
    136
    ---
    7 ← remainder

```

$$6263 \div 19 = 329 \text{ remainder } 12$$

```

      329
19 | 6263
    57
    --
    56
    38
    --
    183
    171
    ---
    12 ← remainder

```

$$6263 \div 23 = 272 \text{ remainder } 7$$

```

      272
23 | 6263
    46
    --
    166

```

```

161
---
53
46
--
7 ← remainder

```

$$6263 \div 29 = 215 \text{ remainder } 28$$

```

      215
29 | 6263
    58
    --
    46
    29
    --
    173
    145
    ---
    28 ← remainder

```

$$6263 \div 31 = 202 \text{ remainder } 1$$

```

      202
31 | 6263
    62
    --
     6
     0
     -
     63
     62
     --
     1 ← remainder

```

$$6263 \div 37 = 169 \text{ remainder } 10$$

```

      169
37 | 6263
    37
    --
    256
    222
    ---

```

```

343
333
---
10 ← remainder

```

$$6263 \div 41 = 152 \text{ remainder } 31$$

```

152
41 | 6263
   41
   --
   216
   205
   ---
   113
   82
   --
   31 ← remainder

```

$$6263 \div 43 = 145 \text{ remainder } 28$$

```

145
43 | 6263
   43
   --
   196
   172
   ---
   243
   215
   ---
   28 ← remainder

```

$$6263 \div 47 = 133 \text{ remainder } 12$$

```

133
47 | 6263
   47
   --
   156
   141
   ---
   153
   141

```

12 ← remainder

$$6263 \div 53 = 118 \text{ remainder } 9$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6263} \end{array}$$

53

--

96

53

--

433

424

9 ← remainder

$$6263 \div 59 = 106 \text{ remainder } 9$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6263} \end{array}$$

59

--

36

0

-

363

354

9 ← remainder

$$6263 \div 61 = 102 \text{ remainder } 41$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6263} \end{array}$$

61

--

16

0

-

163

122

41 ← remainder

$$6263 \div 67 = 93 \text{ remainder } 32$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6263} \\ \underline{603} \\ 233 \\ \underline{201} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$6263 \div 71 = 88 \text{ remainder } 15$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6263} \\ \underline{568} \\ 583 \\ \underline{568} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6263 \div 73 = 85 \text{ remainder } 58$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6263} \\ \underline{584} \\ 423 \\ \underline{365} \\ 58 \leftarrow \text{remainder} \end{array}$$

$$6263 \div 79 = 79 \text{ remainder } 22$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6263} \\ \underline{553} \\ 733 \\ \underline{711} \\ 22 \leftarrow \text{remainder} \end{array}$$

P₈₁₅ 6269

$$6269 \div 2 = 3134 \text{ remainder } 1$$

$$\begin{array}{r} 3134 \\ 2 \mid 6269 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 3 = 2089 \text{ remainder } 2$$

$$\begin{array}{r} 2089 \\ 3 \mid 6269 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 26 \\ \underline{24} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 5 = 1253 \text{ remainder } 4$$

$$\begin{array}{r} 1253 \\ 5 \mid 6269 \\ \underline{5} \\ - \end{array}$$


```

12
10
--
26
25
--
19
15
--
4 ← remainder

```

$$6269 \div 7 = 895 \text{ remainder } 4$$

```

      895
7 | 6269
   56
   --
   66
   63
   --
   39
   35
   --
   4 ← remainder

```

$$6269 \div 11 = 569 \text{ remainder } 10$$

```

      569
11 | 6269
   55
   --
   76
   66
   --
  109
   99
   --
  10 ← remainder

```

$$6269 \div 13 = 482 \text{ remainder } 3$$

```

      482
13 | 6269
   52

```

```

--
106
104
---
29
26
--
3 ← remainder

```

$$6269 \div 17 = 368 \text{ remainder } 13$$

```

      368
17 | 6269
    51
    --
    116
    102
    ---
    149
    136
    ---
    13 ← remainder

```

$$6269 \div 19 = 329 \text{ remainder } 18$$

```

      329
19 | 6269
    57
    --
    56
    38
    --
    189
    171
    ---
    18 ← remainder

```

$$6269 \div 23 = 272 \text{ remainder } 13$$

```

      272
23 | 6269
    46
    --
    166

```

```

161
---
59
46
--
13 ← remainder

```

$$6269 \div 29 = 216 \text{ remainder } 5$$

```

      216
29 | 6269
    58
    --
    46
    29
    --
    179
    174
    ---
    5 ← remainder

```

$$6269 \div 31 = 202 \text{ remainder } 7$$

```

      202
31 | 6269
    62
    --
     6
     0
     -
    69
    62
    --
     7 ← remainder

```

$$6269 \div 37 = 169 \text{ remainder } 16$$

```

      169
37 | 6269
    37
    --
    256
    222
    ---

```

```

349
333
---
16 ← remainder

```

$$6269 \div 41 = 152 \text{ remainder } 37$$

```

152
41 | 6269
   41
   --
   216
   205
   ---
   119
   82
   --
   37 ← remainder

```

$$6269 \div 43 = 145 \text{ remainder } 34$$

```

145
43 | 6269
   43
   --
   196
   172
   ---
   249
   215
   ---
   34 ← remainder

```

$$6269 \div 47 = 133 \text{ remainder } 18$$

```

133
47 | 6269
   47
   --
   156
   141
   ---
   159
   141

```

18 ← remainder

$$6269 \div 53 = 118 \text{ remainder } 15$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6269} \\ \underline{53} \\ -- \\ 96 \\ \underline{53} \\ -- \\ 439 \\ \underline{424} \\ --- \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 59 = 106 \text{ remainder } 15$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6269} \\ \underline{59} \\ -- \\ 36 \\ \underline{0} \\ - \\ 369 \\ \underline{354} \\ --- \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 61 = 102 \text{ remainder } 47$$

$$\begin{array}{r} 102 \\ 61 \overline{) 6269} \\ \underline{61} \\ -- \\ 16 \\ \underline{0} \\ - \\ 169 \\ \underline{122} \\ --- \\ 47 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 67 = 93 \text{ remainder } 38$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6269} \\ \underline{603} \\ 239 \\ \underline{201} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 71 = 88 \text{ remainder } 21$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6269} \\ \underline{568} \\ 589 \\ \underline{568} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 73 = 85 \text{ remainder } 64$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6269} \\ \underline{584} \\ 429 \\ \underline{365} \\ 64 \leftarrow \text{remainder} \end{array}$$

$$6269 \div 79 = 79 \text{ remainder } 28$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6269} \\ \underline{553} \\ 739 \\ \underline{711} \\ 28 \leftarrow \text{remainder} \end{array}$$

P₈₁₆ 6271

$$6271 \div 2 = 3135 \text{ remainder } 1$$

$$\begin{array}{r} 3135 \\ 2 \mid 6271 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6271 \div 3 = 2090 \text{ remainder } 1$$

$$\begin{array}{r} 2090 \\ 3 \mid 6271 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 27 \\ \underline{27} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6271 \div 5 = 1254 \text{ remainder } 1$$

$$\begin{array}{r} 1254 \\ 5 \mid 6271 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
27
25
--
21
20
--
1 ← remainder

```

$$6271 \div 7 = 895 \text{ remainder } 6$$

```

      895
7 | 6271
  56
  --
   67
   63
   --
   41
   35
   --
   6 ← remainder

```

$$6271 \div 11 = 570 \text{ remainder } 1$$

```

      570
11 | 6271
   55
   --
   77
   77
   --
    1
    0
    -
    1 ← remainder

```

$$6271 \div 13 = 482 \text{ remainder } 5$$

```

      482
13 | 6271
   52

```



```

--
107
104
---
31
26
--
5 ← remainder

```

$$6271 \div 17 = 368 \text{ remainder } 15$$

```

      368
17 | 6271
    51
    --
    117
    102
    ---
    151
    136
    ---
    15 ← remainder

```

$$6271 \div 19 = 330 \text{ remainder } 1$$

```

      330
19 | 6271
    57
    --
    57
    57
    --
    1
    0
    -
    1 ← remainder

```

$$6271 \div 23 = 272 \text{ remainder } 15$$

```

      272
23 | 6271
    46
    --
    167

```

```

161
---
61
46
--
15 ← remainder

```

$$6271 \div 29 = 216 \text{ remainder } 7$$

```

      216
29 | 6271
    58
    --
    47
    29
    --
    181
    174
    ---
    7 ← remainder

```

$$6271 \div 31 = 202 \text{ remainder } 9$$

```

      202
31 | 6271
    62
    --
    7
    0
    -
    71
    62
    --
    9 ← remainder

```

$$6271 \div 37 = 169 \text{ remainder } 18$$

```

      169
37 | 6271
    37
    --
    257
    222
    ---

```

```

351
333
---
18 ← remainder

```

$$6271 \div 41 = 152 \text{ remainder } 39$$

```

152
41 | 6271
   41
   --
   217
   205
   ---
   121
   82
   --
   39 ← remainder

```

$$6271 \div 43 = 145 \text{ remainder } 36$$

```

145
43 | 6271
   43
   --
   197
   172
   ---
   251
   215
   ---
   36 ← remainder

```

$$6271 \div 47 = 133 \text{ remainder } 20$$

```

133
47 | 6271
   47
   --
   157
   141
   ---
   161
   141

```

20 ← remainder

$$6271 \div 53 = 118 \text{ remainder } 17$$

```
      118
53 | 6271
    53
    --
    97
    53
    --
    441
    424
    ---
    17 ← remainder
```

$$6271 \div 59 = 106 \text{ remainder } 17$$

```
      106
59 | 6271
    59
    --
    37
    0
    -
    371
    354
    ---
    17 ← remainder
```

$$6271 \div 61 = 102 \text{ remainder } 49$$

```
      102
61 | 6271
    61
    --
    17
    0
    -
    171
    122
    ---
    49 ← remainder
```

$$6271 \div 67 = 93 \text{ remainder } 40$$

$$\begin{array}{r}
 93 \\
 67 \overline{) 6271} \\
 \underline{603} \\
 241 \\
 \underline{201} \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$6271 \div 71 = 88 \text{ remainder } 23$$

$$\begin{array}{r}
 88 \\
 71 \overline{) 6271} \\
 \underline{568} \\
 591 \\
 \underline{568} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$6271 \div 73 = 85 \text{ remainder } 66$$

$$\begin{array}{r}
 85 \\
 73 \overline{) 6271} \\
 \underline{584} \\
 431 \\
 \underline{365} \\
 66 \leftarrow \text{remainder}
 \end{array}$$

$$6271 \div 79 = 79 \text{ remainder } 30$$

$$\begin{array}{r}
 79 \\
 79 \overline{) 6271} \\
 \underline{553} \\
 741 \\
 \underline{711} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

P₈₁₇ 6277

$$6277 \div 2 = 3138 \text{ remainder } 1$$

$$\begin{array}{r} 3138 \\ 2 \mid 6277 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 3 = 2092 \text{ remainder } 1$$

$$\begin{array}{r} 2092 \\ 3 \mid 6277 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 27 \\ \underline{27} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 5 = 1255 \text{ remainder } 2$$

$$\begin{array}{r} 1255 \\ 5 \mid 6277 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
27
25
--
27
25
--
2 ← remainder

```

$$6277 \div 7 = 896 \text{ remainder } 5$$

```

      896
7 | 6277
  56
  --
   67
   63
   --
   47
   42
   --
   5 ← remainder

```

$$6277 \div 11 = 570 \text{ remainder } 7$$

```

      570
11 | 6277
   55
   --
   77
   77
   --
    7
    0
    -
    7 ← remainder

```

$$6277 \div 13 = 482 \text{ remainder } 11$$

```

      482
13 | 6277
   52

```

```

--
107
104
---
37
26
--
11 ← remainder

```

$$6277 \div 17 = 369 \text{ remainder } 4$$

```

      369
17 | 6277
    51
    --
    117
    102
    ---
    157
    153
    ---
    4 ← remainder

```

$$6277 \div 19 = 330 \text{ remainder } 7$$

```

      330
19 | 6277
    57
    --
    57
    57
    --
    7
    0
    -
    7 ← remainder

```

$$6277 \div 23 = 272 \text{ remainder } 21$$

```

      272
23 | 6277
    46
    --
    167

```



```

161
---
67
46
--
21 ← remainder

```

$$6277 \div 29 = 216 \text{ remainder } 13$$

```

      216
29 | 6277
    58
    --
    47
    29
    --
    187
    174
    ---
    13 ← remainder

```

$$6277 \div 31 = 202 \text{ remainder } 15$$

```

      202
31 | 6277
    62
    --
     7
     0
     -
     77
     62
     --
     15 ← remainder

```

$$6277 \div 37 = 169 \text{ remainder } 24$$

```

      169
37 | 6277
    37
    --
    257
    222
    ---

```

```

357
333
---
24 ← remainder

```

$$6277 \div 41 = 153 \text{ remainder } 4$$

```

153
41 | 6277
   41
   --
   217
   205
   ---
   127
   123
   ---
   4 ← remainder

```

$$6277 \div 43 = 145 \text{ remainder } 42$$

```

145
43 | 6277
   43
   --
   197
   172
   ---
   257
   215
   ---
   42 ← remainder

```

$$6277 \div 47 = 133 \text{ remainder } 26$$

```

133
47 | 6277
   47
   --
   157
   141
   ---
   167
   141

```

26 ← remainder

$$6277 \div 53 = 118 \text{ remainder } 23$$

```
      118
53 | 6277
    53
    --
    97
    53
    --
    447
    424
    ---
    23 ← remainder
```

$$6277 \div 59 = 106 \text{ remainder } 23$$

```
      106
59 | 6277
    59
    --
    37
    0
    -
    377
    354
    ---
    23 ← remainder
```

$$6277 \div 61 = 102 \text{ remainder } 55$$

```
      102
61 | 6277
    61
    --
    17
    0
    -
    177
    122
    ---
    55 ← remainder
```

$$6277 \div 67 = 93 \text{ remainder } 46$$

$$\begin{array}{r} 93 \\ 67 \overline{) 6277} \\ \underline{603} \\ 247 \\ \underline{201} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 71 = 88 \text{ remainder } 29$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6277} \\ \underline{568} \\ 597 \\ \underline{568} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 73 = 85 \text{ remainder } 72$$

$$\begin{array}{r} 85 \\ 73 \overline{) 6277} \\ \underline{584} \\ 437 \\ \underline{365} \\ 72 \leftarrow \text{remainder} \end{array}$$

$$6277 \div 79 = 79 \text{ remainder } 36$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6277} \\ \underline{553} \\ 747 \\ \underline{711} \\ 36 \leftarrow \text{remainder} \end{array}$$

P₈₁₈ 6287

$$6287 \div 2 = 3143 \text{ remainder } 1$$

$$\begin{array}{r} 3143 \\ 2 \mid 6287 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6287 \div 3 = 2095 \text{ remainder } 2$$

$$\begin{array}{r} 2095 \\ 3 \mid 6287 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 28 \\ \underline{27} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6287 \div 5 = 1257 \text{ remainder } 2$$

$$\begin{array}{r} 1257 \\ 5 \mid 6287 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
28
25
--
37
35
--
2 ← remainder

```

$$6287 \div 7 = 898 \text{ remainder } 1$$

```

      898
7 | 6287
   56
   --
   68
   63
   --
   57
   56
   --
   1 ← remainder

```

$$6287 \div 11 = 571 \text{ remainder } 6$$

```

      571
11 | 6287
   55
   --
   78
   77
   --
   17
   11
   --
   6 ← remainder

```

$$6287 \div 13 = 483 \text{ remainder } 8$$

```

      483
13 | 6287
   52

```

```

--
108
104
---
47
39
--
8 ← remainder

```

$$6287 \div 17 = 369 \text{ remainder } 14$$

```

      369
17 | 6287
    51
    --
    118
    102
    ---
    167
    153
    ---
    14 ← remainder

```

$$6287 \div 19 = 330 \text{ remainder } 17$$

```

      330
19 | 6287
    57
    --
    58
    57
    --
    17
    0
    -
    17 ← remainder

```

$$6287 \div 23 = 273 \text{ remainder } 8$$

```

      273
23 | 6287
    46
    --
    168

```

```

161
---
77
69
--
8 ← remainder

```

$$6287 \div 29 = 216 \text{ remainder } 23$$

```

      216
29 | 6287
    58
    --
    48
    29
    --
    197
    174
    ---
    23 ← remainder

```

$$6287 \div 31 = 202 \text{ remainder } 25$$

```

      202
31 | 6287
    62
    --
     8
     0
     -
     87
     62
     --
    25 ← remainder

```

$$6287 \div 37 = 169 \text{ remainder } 34$$

```

      169
37 | 6287
    37
    --
    258
    222
    ---

```



```

367
333
---
34 ← remainder

```

$$6287 \div 41 = 153 \text{ remainder } 14$$

```

153
41 | 6287
   41
   --
   218
   205
   ---
   137
   123
   ---
   14 ← remainder

```

$$6287 \div 43 = 146 \text{ remainder } 9$$

```

146
43 | 6287
   43
   --
   198
   172
   ---
   267
   258
   ---
   9 ← remainder

```

$$6287 \div 47 = 133 \text{ remainder } 36$$

```

133
47 | 6287
   47
   --
   158
   141
   ---
   177
   141

```

36 ← remainder

$$6287 \div 53 = 118 \text{ remainder } 33$$

```
      118
53 | 6287
    53
    --
    98
    53
    --
    457
    424
    ---
    33 ← remainder
```

$$6287 \div 59 = 106 \text{ remainder } 33$$

```
      106
59 | 6287
    59
    --
    38
    0
    -
    387
    354
    ---
    33 ← remainder
```

$$6287 \div 61 = 103 \text{ remainder } 4$$

```
      103
61 | 6287
    61
    --
    18
    0
    -
    187
    183
    ---
    4 ← remainder
```

$$6287 \div 67 = 93 \text{ remainder } 56$$

$$\begin{array}{r}
 93 \\
 67 \overline{) 6287} \\
 \underline{603} \\
 257 \\
 \underline{201} \\
 56 \leftarrow \text{remainder}
 \end{array}$$

$$6287 \div 71 = 88 \text{ remainder } 39$$

$$\begin{array}{r}
 88 \\
 71 \overline{) 6287} \\
 \underline{568} \\
 607 \\
 \underline{568} \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$6287 \div 73 = 86 \text{ remainder } 9$$

$$\begin{array}{r}
 86 \\
 73 \overline{) 6287} \\
 \underline{584} \\
 447 \\
 \underline{438} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$6287 \div 79 = 79 \text{ remainder } 46$$

$$\begin{array}{r}
 79 \\
 79 \overline{) 6287} \\
 \underline{553} \\
 757 \\
 \underline{711} \\
 46 \leftarrow \text{remainder}
 \end{array}$$

P₈₁₉ 6299

$$6299 \div 2 = 3149 \text{ remainder } 1$$

$$\begin{array}{r} 3149 \\ 2 \mid 6299 \\ \underline{6} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 3 = 2099 \text{ remainder } 2$$

$$\begin{array}{r} 2099 \\ 3 \mid 6299 \\ \underline{6} \\ - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 5 = 1259 \text{ remainder } 4$$

$$\begin{array}{r} 1259 \\ 5 \mid 6299 \\ \underline{5} \\ - \end{array}$$

```

12
10
--
29
25
--
49
45
--
4 ← remainder

```

$$6299 \div 7 = 899 \text{ remainder } 6$$

```

      899
7 | 6299
   56
   --
   69
   63
   --
   69
   63
   --
   6 ← remainder

```

$$6299 \div 11 = 572 \text{ remainder } 7$$

```

      572
11 | 6299
   55
   --
   79
   77
   --
   29
   22
   --
   7 ← remainder

```

$$6299 \div 13 = 484 \text{ remainder } 7$$

```

      484
13 | 6299
   52

```

```

--
109
104
---
59
52
--
7 ← remainder

```

$$6299 \div 17 = 370 \text{ remainder } 9$$

```

      370
17 | 6299
    51
    --
    119
    119
    ---
     9
     0
     -
     9 ← remainder

```

$$6299 \div 19 = 331 \text{ remainder } 10$$

```

      331
19 | 6299
    57
    --
    59
    57
    --
    29
    19
    --
    10 ← remainder

```

$$6299 \div 23 = 273 \text{ remainder } 20$$

```

      273
23 | 6299
    46
    --
    169

```

```

161
---
89
69
--
20 ← remainder

```

$$6299 \div 29 = 217 \text{ remainder } 6$$

```

      217
29 | 6299
    58
    --
    49
    29
    --
    209
    203
    ---
    6 ← remainder

```

$$6299 \div 31 = 203 \text{ remainder } 6$$

```

      203
31 | 6299
    62
    --
     9
     0
     -
    99
    93
    --
     6 ← remainder

```

$$6299 \div 37 = 170 \text{ remainder } 9$$

```

      170
37 | 6299
    37
    --
    259
    259
    ---

```

```

  9
  0
  -
  9 ← remainder

```

$$6299 \div 41 = 153 \text{ remainder } 26$$

```

    153
41 | 6299
    41
    --
    219
    205
    ---
    149
    123
    ---
    26 ← remainder

```

$$6299 \div 43 = 146 \text{ remainder } 21$$

```

    146
43 | 6299
    43
    --
    199
    172
    ---
    279
    258
    ---
    21 ← remainder

```

$$6299 \div 47 = 134 \text{ remainder } 1$$

```

    134
47 | 6299
    47
    --
    159
    141
    ---
    189
    188

```

1 ← remainder

$$6299 \div 53 = 118 \text{ remainder } 45$$

$$\begin{array}{r} 118 \\ 53 \overline{) 6299} \\ \underline{53} \end{array}$$

--

99

53

--

469

424

45 ← remainder

$$6299 \div 59 = 106 \text{ remainder } 45$$

$$\begin{array}{r} 106 \\ 59 \overline{) 6299} \\ \underline{59} \end{array}$$

--

39

0

-

399

354

45 ← remainder

$$6299 \div 61 = 103 \text{ remainder } 16$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6299} \\ \underline{61} \end{array}$$

--

19

0

-

199

183

16 ← remainder

$$6299 \div 67 = 94 \text{ remainder } 1$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6299} \\ \underline{603} \\ 269 \\ \underline{268} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 71 = 88 \text{ remainder } 51$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6299} \\ \underline{568} \\ 619 \\ \underline{568} \\ 51 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 73 = 86 \text{ remainder } 21$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6299} \\ \underline{584} \\ 459 \\ \underline{438} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6299 \div 79 = 79 \text{ remainder } 58$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6299} \\ \underline{553} \\ 769 \\ \underline{711} \\ 58 \leftarrow \text{remainder} \end{array}$$

P₈₂₀ 6301

$$6301 \div 2 = 3150 \text{ remainder } 1$$

$$\begin{array}{r} 3150 \\ 2 \mid 6301 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 10 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 3 = 2100 \text{ remainder } 1$$

$$\begin{array}{r} 2100 \\ 3 \mid 6301 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 0 \\ \underline{0} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 5 = 1260 \text{ remainder } 1$$

$$\begin{array}{r} 1260 \\ 5 \mid 6301 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
30
30
--
1
0
-
1 ← remainder

```

$$6301 \div 7 = 900 \text{ remainder } 1$$

```

  900
7 | 6301
  63
  --
   0
   0
   -
   1
   0
   -
   1 ← remainder

```

$$6301 \div 11 = 572 \text{ remainder } 9$$

```

  572
11 | 6301
   55
   --
   80
   77
   --
   31
   22
   --
   9 ← remainder

```

$$6301 \div 13 = 484 \text{ remainder } 9$$

```

  484
13 | 6301
   52

```

```

--
110
104
---
61
52
--
9 ← remainder

```

$$6301 \div 17 = 370 \text{ remainder } 11$$

```

      370
17 | 6301
    51
    --
    120
    119
    ---
     11
     0
     -
     11 ← remainder

```

$$6301 \div 19 = 331 \text{ remainder } 12$$

```

      331
19 | 6301
    57
    --
    60
    57
    --
    31
    19
    --
    12 ← remainder

```

$$6301 \div 23 = 273 \text{ remainder } 22$$

```

      273
23 | 6301
    46
    --
    170

```

```

161
---
91
69
--
22 ← remainder

```

$$6301 \div 29 = 217 \text{ remainder } 8$$

```

      217
29 | 6301
    58
    --
    50
    29
    --
    211
    203
    ---
    8 ← remainder

```

$$6301 \div 31 = 203 \text{ remainder } 8$$

```

      203
31 | 6301
    62
    --
    10
    0
    -
    101
    93
    --
    8 ← remainder

```

$$6301 \div 37 = 170 \text{ remainder } 11$$

```

      170
37 | 6301
    37
    --
    260
    259
    ---

```

```

11
0
-
11 ← remainder

```

$$6301 \div 41 = 153 \text{ remainder } 28$$

```

153
41 | 6301
  41
  --
  220
  205
  ---
   151
   123
   ---
    28 ← remainder

```

$$6301 \div 43 = 146 \text{ remainder } 23$$

```

146
43 | 6301
  43
  --
  200
  172
  ---
   281
   258
   ---
    23 ← remainder

```

$$6301 \div 47 = 134 \text{ remainder } 3$$

```

134
47 | 6301
  47
  --
  160
  141
  ---
   191
   188

```

3 ← remainder

$$6301 \div 53 = 118 \text{ remainder } 47$$

```
      118
53 | 6301
    53
    --
    100
    53
    --
    471
    424
    ---
    47 ← remainder
```

$$6301 \div 59 = 106 \text{ remainder } 47$$

```
      106
59 | 6301
    59
    --
    40
    0
    -
    401
    354
    ---
    47 ← remainder
```

$$6301 \div 61 = 103 \text{ remainder } 18$$

```
      103
61 | 6301
    61
    --
    20
    0
    -
    201
    183
    ---
    18 ← remainder
```


$$6301 \div 67 = 94 \text{ remainder } 3$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6301} \\ \underline{603} \\ 271 \\ \underline{268} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 71 = 88 \text{ remainder } 53$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6301} \\ \underline{568} \\ 621 \\ \underline{568} \\ 53 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 73 = 86 \text{ remainder } 23$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6301} \\ \underline{584} \\ 461 \\ \underline{438} \\ 23 \leftarrow \text{remainder} \end{array}$$

$$6301 \div 79 = 79 \text{ remainder } 60$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6301} \\ \underline{553} \\ 771 \\ \underline{711} \\ 60 \leftarrow \text{remainder} \end{array}$$

P₈₂₁ 6311

$$6311 \div 2 = 3155 \text{ remainder } 1$$

$$\begin{array}{r} 3155 \\ 2 \mid 6311 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 3 = 2103 \text{ remainder } 2$$

$$\begin{array}{r} 2103 \\ 3 \mid 6311 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 5 = 1262 \text{ remainder } 1$$

$$\begin{array}{r} 1262 \\ 5 \mid 6311 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
31
30
--
11
10
--
1 ← remainder

```

$$6311 \div 7 = 901 \text{ remainder } 4$$

```

  901
7 | 6311
  63
  --
   1
   0
   -
   11
   7
   -
   4 ← remainder

```

$$6311 \div 11 = 573 \text{ remainder } 8$$

```

  573
11 | 6311
   55
   --
   81
   77
   --
   41
   33
   --
   8 ← remainder

```

$$6311 \div 13 = 485 \text{ remainder } 6$$

```

  485
13 | 6311
   52

```

```

--
111
104
---
71
65
--
6 ← remainder

```

$$6311 \div 17 = 371 \text{ remainder } 4$$

```

      371
17 | 6311
    51
    --
    121
    119
    ---
     21
     17
     --
     4 ← remainder

```

$$6311 \div 19 = 332 \text{ remainder } 3$$

```

      332
19 | 6311
    57
    --
    61
    57
    --
    41
    38
    --
     3 ← remainder

```

$$6311 \div 23 = 274 \text{ remainder } 9$$

```

      274
23 | 6311
    46
    --
    171

```

```

161
---
101
92
--
9 ← remainder

```

$$6311 \div 29 = 217 \text{ remainder } 18$$

```

      217
29 | 6311
    58
    --
    51
    29
    --
    221
    203
    ---
    18 ← remainder

```

$$6311 \div 31 = 203 \text{ remainder } 18$$

```

      203
31 | 6311
    62
    --
    11
    0
    -
    111
    93
    --
    18 ← remainder

```

$$6311 \div 37 = 170 \text{ remainder } 21$$

```

      170
37 | 6311
    37
    --
    261
    259
    ---

```

```

21
0
-
21 ← remainder

```

$$6311 \div 41 = 153 \text{ remainder } 38$$

```

153
41 | 6311
   41
   --
   221
   205
   ---
   161
   123
   ---
   38 ← remainder

```

$$6311 \div 43 = 146 \text{ remainder } 33$$

```

146
43 | 6311
   43
   --
   201
   172
   ---
   291
   258
   ---
   33 ← remainder

```

$$6311 \div 47 = 134 \text{ remainder } 13$$

```

134
47 | 6311
   47
   --
   161
   141
   ---
   201
   188

```

13 ← remainder

$$6311 \div 53 = 119 \text{ remainder } 4$$

```
    119
53 | 6311
    53
    --
    101
    53
    --
    481
    477
    ---
    4 ← remainder
```

$$6311 \div 59 = 106 \text{ remainder } 57$$

```
    106
59 | 6311
    59
    --
    41
    0
    -
    411
    354
    ---
    57 ← remainder
```

$$6311 \div 61 = 103 \text{ remainder } 28$$

```
    103
61 | 6311
    61
    --
    21
    0
    -
    211
    183
    ---
    28 ← remainder
```

$$6311 \div 67 = 94 \text{ remainder } 13$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6311} \\ \underline{603} \\ 281 \\ \underline{268} \\ 13 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 71 = 88 \text{ remainder } 63$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6311} \\ \underline{568} \\ 631 \\ \underline{568} \\ 63 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 73 = 86 \text{ remainder } 33$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6311} \\ \underline{584} \\ 471 \\ \underline{438} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6311 \div 79 = 79 \text{ remainder } 70$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6311} \\ \underline{553} \\ 781 \\ \underline{711} \\ 70 \leftarrow \text{remainder} \end{array}$$

P₈₂₂ 6317

$$6317 \div 2 = 3158 \text{ remainder } 1$$

$$\begin{array}{r} 3158 \\ 2 \mid 6317 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 11 \\ \underline{10} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 3 = 2105 \text{ remainder } 2$$

$$\begin{array}{r} 2105 \\ 3 \mid 6317 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 5 = 1263 \text{ remainder } 2$$

$$\begin{array}{r} 1263 \\ 5 \mid 6317 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
31
30
--
17
15
--
2 ← remainder

```

$$6317 \div 7 = 902 \text{ remainder } 3$$

```

  902
7 | 6317
  63
  --
   1
   0
   -
   17
   14
   --
   3 ← remainder

```

$$6317 \div 11 = 574 \text{ remainder } 3$$

```

  574
11 | 6317
   55
   --
   81
   77
   --
   47
   44
   --
   3 ← remainder

```

$$6317 \div 13 = 485 \text{ remainder } 12$$

```

  485
13 | 6317
   52

```

```

--
111
104
---
77
65
--
12 ← remainder

```

$$6317 \div 17 = 371 \text{ remainder } 10$$

```

      371
17 | 6317
    51
    --
    121
    119
    ---
    27
    17
    --
    10 ← remainder

```

$$6317 \div 19 = 332 \text{ remainder } 9$$

```

      332
19 | 6317
    57
    --
    61
    57
    --
    47
    38
    --
    9 ← remainder

```

$$6317 \div 23 = 274 \text{ remainder } 15$$

```

      274
23 | 6317
    46
    --
    171

```

```

161
---
107
92
--
15 ← remainder

```

$$6317 \div 29 = 217 \text{ remainder } 24$$

```

      217
29 | 6317
    58
    --
    51
    29
    --
    227
    203
    ---
    24 ← remainder

```

$$6317 \div 31 = 203 \text{ remainder } 24$$

```

      203
31 | 6317
    62
    --
    11
    0
    -
    117
    93
    --
    24 ← remainder

```

$$6317 \div 37 = 170 \text{ remainder } 27$$

```

      170
37 | 6317
    37
    --
    261
    259
    ---

```

```

27
0
-
27 ← remainder

```

$$6317 \div 41 = 154 \text{ remainder } 3$$

```

      154
41 | 6317
    41
    --
    221
    205
    ---
    167
    164
    ---
    3 ← remainder

```

$$6317 \div 43 = 146 \text{ remainder } 39$$

```

      146
43 | 6317
    43
    --
    201
    172
    ---
    297
    258
    ---
    39 ← remainder

```

$$6317 \div 47 = 134 \text{ remainder } 19$$

```

      134
47 | 6317
    47
    --
    161
    141
    ---
    207
    188

```

19 ← remainder

$$6317 \div 53 = 119 \text{ remainder } 10$$

$$\begin{array}{r} 119 \\ 53 \overline{) 6317} \\ \underline{53} \end{array}$$

--

101

53

--

487

477

10 ← remainder

$$6317 \div 59 = 107 \text{ remainder } 4$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6317} \\ \underline{59} \end{array}$$

--

41

0

-

417

413

4 ← remainder

$$6317 \div 61 = 103 \text{ remainder } 34$$

$$\begin{array}{r} 103 \\ 61 \overline{) 6317} \\ \underline{61} \end{array}$$

--

21

0

-

217

183

34 ← remainder

$$6317 \div 67 = 94 \text{ remainder } 19$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6317} \\ \underline{603} \\ 287 \\ \underline{268} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 71 = 88 \text{ remainder } 69$$

$$\begin{array}{r} 88 \\ 71 \overline{) 6317} \\ \underline{568} \\ 637 \\ \underline{568} \\ 69 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 73 = 86 \text{ remainder } 39$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6317} \\ \underline{584} \\ 477 \\ \underline{438} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6317 \div 79 = 79 \text{ remainder } 76$$

$$\begin{array}{r} 79 \\ 79 \overline{) 6317} \\ \underline{553} \\ 787 \\ \underline{711} \\ 76 \leftarrow \text{remainder} \end{array}$$

P₈₂₃ 6323

$$6323 \div 2 = 3161 \text{ remainder } 1$$

$$\begin{array}{r} 3161 \\ 2 \mid 6323 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6323 \div 3 = 2107 \text{ remainder } 2$$

$$\begin{array}{r} 2107 \\ 3 \mid 6323 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6323 \div 5 = 1264 \text{ remainder } 3$$

$$\begin{array}{r} 1264 \\ 5 \mid 6323 \\ \underline{5} \\ - \end{array}$$


```

13
10
--
32
30
--
23
20
--
3 ← remainder

```

$$6323 \div 7 = 903 \text{ remainder } 2$$

```

  903
7 | 6323
  63
  --
   2
   0
   -
  23
  21
  --
   2 ← remainder

```

$$6323 \div 11 = 574 \text{ remainder } 9$$

```

  574
11 | 6323
   55
   --
   82
   77
   --
   53
   44
   --
    9 ← remainder

```

$$6323 \div 13 = 486 \text{ remainder } 5$$

```

  486
13 | 6323
   52

```

```

--
112
104
---
83
78
--
5 ← remainder

```

$$6323 \div 17 = 371 \text{ remainder } 16$$

```

      371
17 | 6323
    51
    --
    122
    119
    ---
     33
     17
     --
     16 ← remainder

```

$$6323 \div 19 = 332 \text{ remainder } 15$$

```

      332
19 | 6323
    57
    --
    62
    57
    --
    53
    38
    --
    15 ← remainder

```

$$6323 \div 23 = 274 \text{ remainder } 21$$

```

      274
23 | 6323
    46
    --
    172

```

```

161
---
113
92
--
21 ← remainder

```

$$6323 \div 29 = 218 \text{ remainder } 1$$

```

      218
29 | 6323
    58
    --
    52
    29
    --
    233
    232
    ---
    1 ← remainder

```

$$6323 \div 31 = 203 \text{ remainder } 30$$

```

      203
31 | 6323
    62
    --
    12
    0
    -
    123
    93
    --
    30 ← remainder

```

$$6323 \div 37 = 170 \text{ remainder } 33$$

```

      170
37 | 6323
    37
    --
    262
    259
    ---

```

```

33
0
-
33 ← remainder

```

$$6323 \div 41 = 154 \text{ remainder } 9$$

```

154
41 | 6323
  41
  --
  222
  205
  ---
   173
   164
   ---
    9 ← remainder

```

$$6323 \div 43 = 147 \text{ remainder } 2$$

```

147
43 | 6323
  43
  --
  202
  172
  ---
   303
   301
   ---
    2 ← remainder

```

$$6323 \div 47 = 134 \text{ remainder } 25$$

```

134
47 | 6323
  47
  --
  162
  141
  ---
   213
   188

```

25 ← remainder

$$6323 \div 53 = 119 \text{ remainder } 16$$

119
53 | 6323
53
--
102
53
--
493
477

16 ← remainder

$$6323 \div 59 = 107 \text{ remainder } 10$$

107
59 | 6323
59
--
42
0
-
423
413

10 ← remainder

$$6323 \div 61 = 103 \text{ remainder } 40$$

103
61 | 6323
61
--
22
0
-
223
183

40 ← remainder

$$6323 \div 67 = 94 \text{ remainder } 25$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6323} \\ \underline{603} \\ 293 \\ \underline{268} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6323 \div 71 = 89 \text{ remainder } 4$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6323} \\ \underline{568} \\ 643 \\ \underline{639} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6323 \div 73 = 86 \text{ remainder } 45$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6323} \\ \underline{584} \\ 483 \\ \underline{438} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6323 \div 79 = 80 \text{ remainder } 3$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6323} \\ \underline{632} \\ 3 \\ \underline{0} \\ 3 \leftarrow \text{remainder} \end{array}$$

P₈₂₄ 6329

$$6329 \div 2 = 3164 \text{ remainder } 1$$

$$\begin{array}{r} 3164 \\ 2 \mid 6329 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 12 \\ \underline{12} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 3 = 2109 \text{ remainder } 2$$

$$\begin{array}{r} 2109 \\ 3 \mid 6329 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 5 = 1265 \text{ remainder } 4$$

$$\begin{array}{r} 1265 \\ 5 \mid 6329 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
32
30
--
29
25
--
4 ← remainder

```

$$6329 \div 7 = 904 \text{ remainder } 1$$

```

  904
7 | 6329
  63
  --
   2
   0
   -
  29
  28
  --
   1 ← remainder

```

$$6329 \div 11 = 575 \text{ remainder } 4$$

```

  575
11 | 6329
   55
   --
   82
   77
   --
   59
   55
   --
    4 ← remainder

```

$$6329 \div 13 = 486 \text{ remainder } 11$$

```

  486
13 | 6329
   52

```



```

--
112
104
---
89
78
--
11 ← remainder

```

$$6329 \div 17 = 372 \text{ remainder } 5$$

```

      372
17 | 6329
    51
    --
    122
    119
    ---
     39
     34
     --
     5 ← remainder

```

$$6329 \div 19 = 333 \text{ remainder } 2$$

```

      333
19 | 6329
    57
    --
    62
    57
    --
    59
    57
    --
    2 ← remainder

```

$$6329 \div 23 = 275 \text{ remainder } 4$$

```

      275
23 | 6329
    46
    --
    172

```

```

161
---
119
115
---
4 ← remainder

```

$$6329 \div 29 = 218 \text{ remainder } 7$$

```

      218
29 | 6329
    58
    --
    52
    29
    --
    239
    232
    ---
    7 ← remainder

```

$$6329 \div 31 = 204 \text{ remainder } 5$$

```

      204
31 | 6329
    62
    --
    12
    0
    -
    129
    124
    ---
    5 ← remainder

```

$$6329 \div 37 = 171 \text{ remainder } 2$$

```

      171
37 | 6329
    37
    --
    262
    259
    ---

```

39
 37
 --
 2 ← remainder

$$6329 \div 41 = 154 \text{ remainder } 15$$

154
 41 | 6329
 41
 --
 222
 205

 179
 164

 15 ← remainder

$$6329 \div 43 = 147 \text{ remainder } 8$$

147
 43 | 6329
 43
 --
 202
 172

 309
 301

 8 ← remainder

$$6329 \div 47 = 134 \text{ remainder } 31$$

134
 47 | 6329
 47
 --
 162
 141

 219
 188

31 ← remainder

$$6329 \div 53 = 119 \text{ remainder } 22$$

```
    119
53 | 6329
    53
    --
    102
    53
    --
    499
    477
    ---
    22 ← remainder
```

$$6329 \div 59 = 107 \text{ remainder } 16$$

```
    107
59 | 6329
    59
    --
    42
    0
    -
    429
    413
    ---
    16 ← remainder
```

$$6329 \div 61 = 103 \text{ remainder } 46$$

```
    103
61 | 6329
    61
    --
    22
    0
    -
    229
    183
    ---
    46 ← remainder
```

$$6329 \div 67 = 94 \text{ remainder } 31$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6329} \\ \underline{603} \\ 299 \\ \underline{268} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 71 = 89 \text{ remainder } 10$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6329} \\ \underline{568} \\ 649 \\ \underline{639} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 73 = 86 \text{ remainder } 51$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6329} \\ \underline{584} \\ 489 \\ \underline{438} \\ 51 \leftarrow \text{remainder} \end{array}$$

$$6329 \div 79 = 80 \text{ remainder } 9$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6329} \\ \underline{632} \\ 9 \\ 0 \\ - \\ 9 \leftarrow \text{remainder} \end{array}$$

P₈₂₅ 6337

$$6337 \div 2 = 3168 \text{ remainder } 1$$

$$\begin{array}{r} 3168 \\ 2 \mid 6337 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 3 = 2112 \text{ remainder } 1$$

$$\begin{array}{r} 2112 \\ 3 \mid 6337 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 5 = 1267 \text{ remainder } 2$$

$$\begin{array}{r} 1267 \\ 5 \mid 6337 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
33
30
--
37
35
--
2 ← remainder

```

$$6337 \div 7 = 905 \text{ remainder } 2$$

```

  905
7 | 6337
  63
  --
   3
   0
   -
  37
  35
  --
  2 ← remainder

```

$$6337 \div 11 = 576 \text{ remainder } 1$$

```

  576
11 | 6337
   55
   --
   83
   77
   --
   67
   66
   --
   1 ← remainder

```

$$6337 \div 13 = 487 \text{ remainder } 6$$

```

  487
13 | 6337
   52

```

```

--
113
104
---
97
91
--
6 ← remainder

```

$$6337 \div 17 = 372 \text{ remainder } 13$$

```

      372
17 | 6337
    51
    --
    123
    119
    ---
     47
     34
     --
     13 ← remainder

```

$$6337 \div 19 = 333 \text{ remainder } 10$$

```

      333
19 | 6337
    57
    --
    63
    57
    --
    67
    57
    --
    10 ← remainder

```

$$6337 \div 23 = 275 \text{ remainder } 12$$

```

      275
23 | 6337
    46
    --
    173

```



```

161
---
127
115
---
12 ← remainder

```

$$6337 \div 29 = 218 \text{ remainder } 15$$

```

      218
29 | 6337
    58
    --
    53
    29
    --
    247
    232
    ---
    15 ← remainder

```

$$6337 \div 31 = 204 \text{ remainder } 13$$

```

      204
31 | 6337
    62
    --
    13
    0
    -
    137
    124
    ---
    13 ← remainder

```

$$6337 \div 37 = 171 \text{ remainder } 10$$

```

      171
37 | 6337
    37
    --
    263
    259
    ---

```

47
 37
 --
 10 ← remainder

$$6337 \div 41 = 154 \text{ remainder } 23$$

154
 41 | 6337
 41
 --
 223
 205
 --
 187
 164
 --
 23 ← remainder

$$6337 \div 43 = 147 \text{ remainder } 16$$

147
 43 | 6337
 43
 --
 203
 172
 --
 317
 301
 --
 16 ← remainder

$$6337 \div 47 = 134 \text{ remainder } 39$$

134
 47 | 6337
 47
 --
 163
 141
 --
 227
 188

39 ← remainder

$$6337 \div 53 = 119 \text{ remainder } 30$$

119
53 | 6337
53
--
103
53
--
507
477

30 ← remainder

$$6337 \div 59 = 107 \text{ remainder } 24$$

107
59 | 6337
59
--
43
0
-
437
413

24 ← remainder

$$6337 \div 61 = 103 \text{ remainder } 54$$

103
61 | 6337
61
--
23
0
-
237
183

54 ← remainder

$$6337 \div 67 = 94 \text{ remainder } 39$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6337} \\ \underline{603} \\ 307 \\ \underline{268} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 71 = 89 \text{ remainder } 18$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6337} \\ \underline{568} \\ 657 \\ \underline{639} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 73 = 86 \text{ remainder } 59$$

$$\begin{array}{r} 86 \\ 73 \overline{) 6337} \\ \underline{584} \\ 497 \\ \underline{438} \\ 59 \leftarrow \text{remainder} \end{array}$$

$$6337 \div 79 = 80 \text{ remainder } 17$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6337} \\ \underline{632} \\ 17 \\ \underline{0} \\ 17 \leftarrow \text{remainder} \end{array}$$

P₈₂₆ 6343

$$6343 \div 2 = 3171 \text{ remainder } 1$$

$$\begin{array}{r} 3171 \\ 2 \mid 6343 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 14 \\ \underline{14} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6343 \div 3 = 2114 \text{ remainder } 1$$

$$\begin{array}{r} 2114 \\ 3 \mid 6343 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6343 \div 5 = 1268 \text{ remainder } 3$$

$$\begin{array}{r} 1268 \\ 5 \mid 6343 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
34
30
--
43
40
--
3 ← remainder

```

$$6343 \div 7 = 906 \text{ remainder } 1$$

```

    906
7 | 6343
   63
   --
    4
    0
    -
    43
    42
    --
    1 ← remainder

```

$$6343 \div 11 = 576 \text{ remainder } 7$$

```

    576
11 | 6343
   55
   --
    84
    77
    --
    73
    66
    --
    7 ← remainder

```

$$6343 \div 13 = 487 \text{ remainder } 12$$

```

    487
13 | 6343
   52

```

```

--
114
104
---
103
91
--
12 ← remainder

```

$$6343 \div 17 = 373 \text{ remainder } 2$$

```

      373
17 | 6343
    51
    --
    124
    119
    ---
     53
     51
     --
     2 ← remainder

```

$$6343 \div 19 = 333 \text{ remainder } 16$$

```

      333
19 | 6343
    57
    --
    64
    57
    --
    73
    57
    --
    16 ← remainder

```

$$6343 \div 23 = 275 \text{ remainder } 18$$

```

      275
23 | 6343
    46
    --
    174

```

```

161
---
133
115
---
18 ← remainder

```

$$6343 \div 29 = 218 \text{ remainder } 21$$

```

      218
29 | 6343
    58
    --
    54
    29
    --
    253
    232
    ---
    21 ← remainder

```

$$6343 \div 31 = 204 \text{ remainder } 19$$

```

      204
31 | 6343
    62
    --
    14
    0
    -
    143
    124
    ---
    19 ← remainder

```

$$6343 \div 37 = 171 \text{ remainder } 16$$

```

      171
37 | 6343
    37
    --
    264
    259
    ---

```


53
 37
 --
 16 ← remainder

$$6343 \div 41 = 154 \text{ remainder } 29$$

154
 41 | 6343
 41
 --
 224
 205

 193
 164

 29 ← remainder

$$6343 \div 43 = 147 \text{ remainder } 22$$

147
 43 | 6343
 43
 --
 204
 172

 323
 301

 22 ← remainder

$$6343 \div 47 = 134 \text{ remainder } 45$$

134
 47 | 6343
 47
 --
 164
 141

 233
 188

45 ← remainder

$$6343 \div 53 = 119 \text{ remainder } 36$$

```
    119
53 | 6343
    53
    --
    104
    53
    --
    513
    477
    ---
    36 ← remainder
```

$$6343 \div 59 = 107 \text{ remainder } 30$$

```
    107
59 | 6343
    59
    --
    44
    0
    -
    443
    413
    ---
    30 ← remainder
```

$$6343 \div 61 = 103 \text{ remainder } 60$$

```
    103
61 | 6343
    61
    --
    24
    0
    -
    243
    183
    ---
    60 ← remainder
```

$$6343 \div 67 = 94 \text{ remainder } 45$$

$$\begin{array}{r}
 94 \\
 67 \overline{) 6343} \\
 \underline{603} \\
 313 \\
 \underline{268} \\
 45 \leftarrow \text{remainder}
 \end{array}$$

$$6343 \div 71 = 89 \text{ remainder } 24$$

$$\begin{array}{r}
 89 \\
 71 \overline{) 6343} \\
 \underline{568} \\
 663 \\
 \underline{639} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$6343 \div 73 = 86 \text{ remainder } 65$$

$$\begin{array}{r}
 86 \\
 73 \overline{) 6343} \\
 \underline{584} \\
 503 \\
 \underline{438} \\
 65 \leftarrow \text{remainder}
 \end{array}$$

$$6343 \div 79 = 80 \text{ remainder } 23$$

$$\begin{array}{r}
 80 \\
 79 \overline{) 6343} \\
 \underline{632} \\
 23 \\
 \underline{0} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

P₈₂₇ 6353

$$6353 \div 2 = 3176 \text{ remainder } 1$$

$$\begin{array}{r} 3176 \\ 2 \mid 6353 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 3 = 2117 \text{ remainder } 2$$

$$\begin{array}{r} 2117 \\ 3 \mid 6353 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 5 = 1270 \text{ remainder } 3$$

$$\begin{array}{r} 1270 \\ 5 \mid 6353 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
35
35
--
3
0
-
3 ← remainder

```

$$6353 \div 7 = 907 \text{ remainder } 4$$

```

  907
7 | 6353
  63
  --
   5
   0
   -
  53
  49
  --
   4 ← remainder

```

$$6353 \div 11 = 577 \text{ remainder } 6$$

```

  577
11 | 6353
   55
   --
   85
   77
   --
   83
   77
   --
    6 ← remainder

```

$$6353 \div 13 = 488 \text{ remainder } 9$$

```

  488
13 | 6353
   52

```

```

--
115
104
---
113
104
---
9 ← remainder

```

$$6353 \div 17 = 373 \text{ remainder } 12$$

```

      373
17 | 6353
    51
    --
    125
    119
    ---
     63
     51
     --
     12 ← remainder

```

$$6353 \div 19 = 334 \text{ remainder } 7$$

```

      334
19 | 6353
    57
    --
    65
    57
    --
    83
    76
    --
     7 ← remainder

```

$$6353 \div 23 = 276 \text{ remainder } 5$$

```

      276
23 | 6353
    46
    --
    175

```

```

161
---
143
138
---
5 ← remainder

```

$$6353 \div 29 = 219 \text{ remainder } 2$$

```

      219
29 | 6353
    58
    --
    55
    29
    --
    263
    261
    ---
    2 ← remainder

```

$$6353 \div 31 = 204 \text{ remainder } 29$$

```

      204
31 | 6353
    62
    --
    15
    0
    -
    153
    124
    ---
    29 ← remainder

```

$$6353 \div 37 = 171 \text{ remainder } 26$$

```

      171
37 | 6353
    37
    --
    265
    259
    ---

```

63
 37
 --
 26 ← remainder

$$6353 \div 41 = 154 \text{ remainder } 39$$

154
 41 | 6353
 41
 --
 225
 205

 203
 164

 39 ← remainder

$$6353 \div 43 = 147 \text{ remainder } 32$$

147
 43 | 6353
 43
 --
 205
 172

 333
 301

 32 ← remainder

$$6353 \div 47 = 135 \text{ remainder } 8$$

135
 47 | 6353
 47
 --
 165
 141

 243
 235

8 ← remainder

$$6353 \div 53 = 119 \text{ remainder } 46$$

```
      119
53 | 6353
    53
    --
    105
    53
    --
    523
    477
    ---
    46 ← remainder
```

$$6353 \div 59 = 107 \text{ remainder } 40$$

```
      107
59 | 6353
    59
    --
    45
    0
    -
    453
    413
    ---
    40 ← remainder
```

$$6353 \div 61 = 104 \text{ remainder } 9$$

```
      104
61 | 6353
    61
    --
    25
    0
    -
    253
    244
    ---
    9 ← remainder
```

$$6353 \div 67 = 94 \text{ remainder } 55$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6353} \\ \underline{603} \\ 323 \\ \underline{268} \\ 55 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 71 = 89 \text{ remainder } 34$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6353} \\ \underline{568} \\ 673 \\ \underline{639} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 73 = 87 \text{ remainder } 2$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6353} \\ \underline{584} \\ 513 \\ \underline{511} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6353 \div 79 = 80 \text{ remainder } 33$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6353} \\ \underline{632} \\ 33 \\ \underline{0} \\ 33 \leftarrow \text{remainder} \end{array}$$

P₈₂₈ 6359

$$6359 \div 2 = 3179 \text{ remainder } 1$$

$$\begin{array}{r} 3179 \\ 2 \mid 6359 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 15 \\ \underline{14} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 3 = 2119 \text{ remainder } 2$$

$$\begin{array}{r} 2119 \\ 3 \mid 6359 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 5 = 1271 \text{ remainder } 4$$

$$\begin{array}{r} 1271 \\ 5 \mid 6359 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
35
35
--
9
5
-
4 ← remainder

```

$$6359 \div 7 = 908 \text{ remainder } 3$$

```

  908
7 | 6359
  63
  --
   5
   0
   -
  59
  56
  --
   3 ← remainder

```

$$6359 \div 11 = 578 \text{ remainder } 1$$

```

  578
11 | 6359
   55
   --
   85
   77
   --
   89
   88
   --
    1 ← remainder

```

$$6359 \div 13 = 489 \text{ remainder } 2$$

```

  489
13 | 6359
   52

```

```

--
115
104
---
119
117
---
2 ← remainder

```

$$6359 \div 17 = 374 \text{ remainder } 1$$

```

      374
17 | 6359
    51
    --
    125
    119
    ---
     69
     68
     --
     1 ← remainder

```

$$6359 \div 19 = 334 \text{ remainder } 13$$

```

      334
19 | 6359
    57
    --
    65
    57
    --
    89
    76
    --
    13 ← remainder

```

$$6359 \div 23 = 276 \text{ remainder } 11$$

```

      276
23 | 6359
    46
    --
    175

```

```

161
---
149
138
---
11 ← remainder

```

$$6359 \div 29 = 219 \text{ remainder } 8$$

```

      219
29 | 6359
    58
    --
    55
    29
    --
    269
    261
    ---
    8 ← remainder

```

$$6359 \div 31 = 205 \text{ remainder } 4$$

```

      205
31 | 6359
    62
    --
    15
    0
    -
    159
    155
    ---
    4 ← remainder

```

$$6359 \div 37 = 171 \text{ remainder } 32$$

```

      171
37 | 6359
    37
    --
    265
    259
    ---

```

69
 37
 --
 32 ← remainder

$$6359 \div 41 = 155 \text{ remainder } 4$$

155
 41 | 6359
 41
 --
 225
 205

 209
 205

 4 ← remainder

$$6359 \div 43 = 147 \text{ remainder } 38$$

147
 43 | 6359
 43
 --
 205
 172

 339
 301

 38 ← remainder

$$6359 \div 47 = 135 \text{ remainder } 14$$

135
 47 | 6359
 47
 --
 165
 141

 249
 235

14 ← remainder

$$6359 \div 53 = 119 \text{ remainder } 52$$

$$\begin{array}{r} 119 \\ 53 \overline{) 6359} \\ \underline{53} \end{array}$$

--

105

53

--

529

477

52 ← remainder

$$6359 \div 59 = 107 \text{ remainder } 46$$

$$\begin{array}{r} 107 \\ 59 \overline{) 6359} \\ \underline{59} \end{array}$$

--

45

0

-

459

413

46 ← remainder

$$6359 \div 61 = 104 \text{ remainder } 15$$

$$\begin{array}{r} 104 \\ 61 \overline{) 6359} \\ \underline{61} \end{array}$$

--

25

0

-

259

244

15 ← remainder

$$6359 \div 67 = 94 \text{ remainder } 61$$

$$\begin{array}{r} 94 \\ 67 \overline{) 6359} \\ \underline{603} \\ 329 \\ \underline{268} \\ 61 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 71 = 89 \text{ remainder } 40$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6359} \\ \underline{568} \\ 679 \\ \underline{639} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 73 = 87 \text{ remainder } 8$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6359} \\ \underline{584} \\ 519 \\ \underline{511} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6359 \div 79 = 80 \text{ remainder } 39$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6359} \\ \underline{632} \\ 39 \\ \underline{0} \\ 39 \leftarrow \text{remainder} \end{array}$$

P₈₂₉ 6361

$$6361 \div 2 = 3180 \text{ remainder } 1$$

$$\begin{array}{r} 3180 \\ 2 \mid 6361 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6361 \div 3 = 2120 \text{ remainder } 1$$

$$\begin{array}{r} 2120 \\ 3 \mid 6361 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6361 \div 5 = 1272 \text{ remainder } 1$$

$$\begin{array}{r} 1272 \\ 5 \mid 6361 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
36
35
--
11
10
--
1 ← remainder

```

$$6361 \div 7 = 908 \text{ remainder } 5$$

```

  908
7 | 6361
  63
  --
   6
   0
   -
  61
  56
  --
   5 ← remainder

```

$$6361 \div 11 = 578 \text{ remainder } 3$$

```

  578
11 | 6361
   55
   --
   86
   77
   --
   91
   88
   --
   3 ← remainder

```

$$6361 \div 13 = 489 \text{ remainder } 4$$

```

  489
13 | 6361
   52

```

```

--
116
104
---
121
117
---
4 ← remainder

```

$$6361 \div 17 = 374 \text{ remainder } 3$$

```

      374
17 | 6361
    51
    --
    126
    119
    ---
     71
     68
     --
     3 ← remainder

```

$$6361 \div 19 = 334 \text{ remainder } 15$$

```

      334
19 | 6361
    57
    --
    66
    57
    --
    91
    76
    --
    15 ← remainder

```

$$6361 \div 23 = 276 \text{ remainder } 13$$

```

      276
23 | 6361
    46
    --
    176

```

```

161
---
151
138
---
13 ← remainder

```

$$6361 \div 29 = 219 \text{ remainder } 10$$

```

      219
29 | 6361
    58
    --
    56
    29
    --
    271
    261
    ---
    10 ← remainder

```

$$6361 \div 31 = 205 \text{ remainder } 6$$

```

      205
31 | 6361
    62
    --
    16
    0
    -
    161
    155
    ---
    6 ← remainder

```

$$6361 \div 37 = 171 \text{ remainder } 34$$

```

      171
37 | 6361
    37
    --
    266
    259
    ---

```

71
 37
 --
 34 ← remainder

$$6361 \div 41 = 155 \text{ remainder } 6$$

155
 41 | 6361
 41
 --
 226
 205
 --
 211
 205
 --
 6 ← remainder

$$6361 \div 43 = 147 \text{ remainder } 40$$

147
 43 | 6361
 43
 --
 206
 172
 --
 341
 301
 --
 40 ← remainder

$$6361 \div 47 = 135 \text{ remainder } 16$$

135
 47 | 6361
 47
 --
 166
 141
 --
 251
 235

16 ← remainder

$$6361 \div 53 = 120 \text{ remainder } 1$$

```
      120
53 | 6361
    53
    --
    106
    106
    ---
     1
     0
     -
     1 ← remainder
```

$$6361 \div 59 = 107 \text{ remainder } 48$$

```
      107
59 | 6361
    59
    --
    46
    0
    -
    461
    413
    ---
    48 ← remainder
```

$$6361 \div 61 = 104 \text{ remainder } 17$$

```
      104
61 | 6361
    61
    --
    26
    0
    -
    261
    244
    ---
    17 ← remainder
```

$$6361 \div 67 = 94 \text{ remainder } 63$$

$$\begin{array}{r}
 94 \\
 67 \mid 6361 \\
 \underline{603} \\
 331 \\
 \underline{268} \\
 63 \leftarrow \text{remainder}
 \end{array}$$

$$6361 \div 71 = 89 \text{ remainder } 42$$

$$\begin{array}{r}
 89 \\
 71 \mid 6361 \\
 \underline{568} \\
 681 \\
 \underline{639} \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$6361 \div 73 = 87 \text{ remainder } 10$$

$$\begin{array}{r}
 87 \\
 73 \mid 6361 \\
 \underline{584} \\
 521 \\
 \underline{511} \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$6361 \div 79 = 80 \text{ remainder } 41$$

$$\begin{array}{r}
 80 \\
 79 \mid 6361 \\
 \underline{632} \\
 41 \\
 \underline{0} \\
 41 \leftarrow \text{remainder}
 \end{array}$$

P₈₃₀ 6367

$$6367 \div 2 = 3183 \text{ remainder } 1$$

$$\begin{array}{r} 3183 \\ 2 \mid 6367 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 16 \\ \underline{16} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6367 \div 3 = 2122 \text{ remainder } 1$$

$$\begin{array}{r} 2122 \\ 3 \mid 6367 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6367 \div 5 = 1273 \text{ remainder } 2$$

$$\begin{array}{r} 1273 \\ 5 \mid 6367 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
36
35
--
17
15
--
2 ← remainder

```

$$6367 \div 7 = 909 \text{ remainder } 4$$

```

  909
7 | 6367
  63
  --
   6
   0
   -
  67
  63
  --
   4 ← remainder

```

$$6367 \div 11 = 578 \text{ remainder } 9$$

```

  578
11 | 6367
   55
   --
   86
   77
   --
   97
   88
   --
    9 ← remainder

```

$$6367 \div 13 = 489 \text{ remainder } 10$$

```

  489
13 | 6367
   52

```

```

--
116
104
---
127
117
---
10 ← remainder

```

$$6367 \div 17 = 374 \text{ remainder } 9$$

```

      374
17 | 6367
    51
    --
    126
    119
    ---
     77
     68
     --
     9 ← remainder

```

$$6367 \div 19 = 335 \text{ remainder } 2$$

```

      335
19 | 6367
    57
    --
    66
    57
    --
    97
    95
    --
     2 ← remainder

```

$$6367 \div 23 = 276 \text{ remainder } 19$$

```

      276
23 | 6367
    46
    --
    176

```

```

161
---
157
138
---
19 ← remainder

```

$$6367 \div 29 = 219 \text{ remainder } 16$$

```

      219
29 | 6367
    58
    --
    56
    29
    --
    277
    261
    ---
    16 ← remainder

```

$$6367 \div 31 = 205 \text{ remainder } 12$$

```

      205
31 | 6367
    62
    --
    16
    0
    -
    167
    155
    ---
    12 ← remainder

```

$$6367 \div 37 = 172 \text{ remainder } 3$$

```

      172
37 | 6367
    37
    --
    266
    259
    ---

```

```

77
74
--
3 ← remainder

```

$$6367 \div 41 = 155 \text{ remainder } 12$$

```

155
41 | 6367
   41
   --
   226
   205
   ---
   217
   205
   ---
   12 ← remainder

```

$$6367 \div 43 = 148 \text{ remainder } 3$$

```

148
43 | 6367
   43
   --
   206
   172
   ---
   347
   344
   ---
   3 ← remainder

```

$$6367 \div 47 = 135 \text{ remainder } 22$$

```

135
47 | 6367
   47
   --
   166
   141
   ---
   257
   235

```

22 ← remainder

$$6367 \div 53 = 120 \text{ remainder } 7$$

120
53 | 6367
53
--
106
106

7
0
-
7 ← remainder

$$6367 \div 59 = 107 \text{ remainder } 54$$

107
59 | 6367
59
--
46
0
-
467
413

54 ← remainder

$$6367 \div 61 = 104 \text{ remainder } 23$$

104
61 | 6367
61
--
26
0
-
267
244

23 ← remainder

$$6367 \div 67 = 95 \text{ remainder } 2$$

$$\begin{array}{r}
 95 \\
 67 \overline{) 6367} \\
 \underline{603} \\
 337 \\
 \underline{335} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$6367 \div 71 = 89 \text{ remainder } 48$$

$$\begin{array}{r}
 89 \\
 71 \overline{) 6367} \\
 \underline{568} \\
 687 \\
 \underline{639} \\
 48 \leftarrow \text{remainder}
 \end{array}$$

$$6367 \div 73 = 87 \text{ remainder } 16$$

$$\begin{array}{r}
 87 \\
 73 \overline{) 6367} \\
 \underline{584} \\
 527 \\
 \underline{511} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$6367 \div 79 = 80 \text{ remainder } 47$$

$$\begin{array}{r}
 80 \\
 79 \overline{) 6367} \\
 \underline{632} \\
 47 \\
 0 \\
 - \\
 47 \leftarrow \text{remainder}
 \end{array}$$

P₈₃₁ 6373

$$6373 \div 2 = 3186 \text{ remainder } 1$$

$$\begin{array}{r} 3186 \\ 2 \mid 6373 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6373 \div 3 = 2124 \text{ remainder } 1$$

$$\begin{array}{r} 2124 \\ 3 \mid 6373 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6373 \div 5 = 1274 \text{ remainder } 3$$

$$\begin{array}{r} 1274 \\ 5 \mid 6373 \\ \underline{5} \\ - \end{array}$$


```

13
10
--
37
35
--
23
20
--
3 ← remainder

```

$$6373 \div 7 = 910 \text{ remainder } 3$$

```

  910
7 | 6373
  63
  --
   7
   7
   -
   3
   0
   -
   3 ← remainder

```

$$6373 \div 11 = 579 \text{ remainder } 4$$

```

  579
11 | 6373
   55
   --
   87
   77
   --
  103
   99
   --
   4 ← remainder

```

$$6373 \div 13 = 490 \text{ remainder } 3$$

```

  490
13 | 6373
   52

```

```

--
117
117
---
3
0
-
3 ← remainder

```

$$6373 \div 17 = 374 \text{ remainder } 15$$

```

      374
17 | 6373
    51
    --
    127
    119
    ---
     83
     68
     --
    15 ← remainder

```

$$6373 \div 19 = 335 \text{ remainder } 8$$

```

      335
19 | 6373
    57
    --
    67
    57
    --
    103
    95
    --
     8 ← remainder

```

$$6373 \div 23 = 277 \text{ remainder } 2$$

```

      277
23 | 6373
    46
    --
    177

```

```

161
---
163
161
---
2 ← remainder

```

$$6373 \div 29 = 219 \text{ remainder } 22$$

```

      219
29 | 6373
    58
    --
    57
    29
    --
    283
    261
    ---
    22 ← remainder

```

$$6373 \div 31 = 205 \text{ remainder } 18$$

```

      205
31 | 6373
    62
    --
    17
    0
    -
    173
    155
    ---
    18 ← remainder

```

$$6373 \div 37 = 172 \text{ remainder } 9$$

```

      172
37 | 6373
    37
    --
    267
    259
    ---

```

```

83
74
--
9 ← remainder

```

$$6373 \div 41 = 155 \text{ remainder } 18$$

```

155
41 | 6373
   41
   --
   227
   205
   ---
   223
   205
   ---
   18 ← remainder

```

$$6373 \div 43 = 148 \text{ remainder } 9$$

```

148
43 | 6373
   43
   --
   207
   172
   ---
   353
   344
   ---
   9 ← remainder

```

$$6373 \div 47 = 135 \text{ remainder } 28$$

```

135
47 | 6373
   47
   --
   167
   141
   ---
   263
   235

```

28 ← remainder

$$6373 \div 53 = 120 \text{ remainder } 13$$

```
120
53 | 6373
   53
   --
  107
  106
  ---
   13
   0
   -
  13 ← remainder
```

$$6373 \div 59 = 108 \text{ remainder } 1$$

```
108
59 | 6373
   59
   --
   47
   0
   -
  473
  472
  ---
   1 ← remainder
```

$$6373 \div 61 = 104 \text{ remainder } 29$$

```
104
61 | 6373
   61
   --
   27
   0
   -
  273
  244
  ---
  29 ← remainder
```

$$6373 \div 67 = 95 \text{ remainder } 8$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6373} \\ \underline{603} \\ 343 \\ \underline{335} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6373 \div 71 = 89 \text{ remainder } 54$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6373} \\ \underline{568} \\ 693 \\ \underline{639} \\ 54 \leftarrow \text{remainder} \end{array}$$

$$6373 \div 73 = 87 \text{ remainder } 22$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6373} \\ \underline{584} \\ 533 \\ \underline{511} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6373 \div 79 = 80 \text{ remainder } 53$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6373} \\ \underline{632} \\ 53 \\ \underline{0} \\ 53 \leftarrow \text{remainder} \end{array}$$

P₈₃₂ 6379

$$6379 \div 2 = 3189 \text{ remainder } 1$$

$$\begin{array}{r} 3189 \\ 2 \mid 6379 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6379 \div 3 = 2126 \text{ remainder } 1$$

$$\begin{array}{r} 2126 \\ 3 \mid 6379 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6379 \div 5 = 1275 \text{ remainder } 4$$

$$\begin{array}{r} 1275 \\ 5 \mid 6379 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
37
35
--
29
25
--
4 ← remainder

```

$$6379 \div 7 = 911 \text{ remainder } 2$$

```

  911
7 | 6379
  63
  --
   7
   7
   -
   9
   7
   -
   2 ← remainder

```

$$6379 \div 11 = 579 \text{ remainder } 10$$

```

  579
11 | 6379
   55
   --
   87
   77
   --
  109
   99
   --
  10 ← remainder

```

$$6379 \div 13 = 490 \text{ remainder } 9$$

```

  490
13 | 6379
   52

```



```

--
117
117
---
9
0
-
9 ← remainder

```

$$6379 \div 17 = 375 \text{ remainder } 4$$

```

      375
17 | 6379
    51
    --
    127
    119
    ---
    89
    85
    --
    4 ← remainder

```

$$6379 \div 19 = 335 \text{ remainder } 14$$

```

      335
19 | 6379
    57
    --
    67
    57
    --
    109
    95
    --
    14 ← remainder

```

$$6379 \div 23 = 277 \text{ remainder } 8$$

```

      277
23 | 6379
    46
    --
    177

```

```

161
---
169
161
---
8 ← remainder

```

$$6379 \div 29 = 219 \text{ remainder } 28$$

```

      219
29 | 6379
    58
    --
    57
    29
    --
    289
    261
    ---
    28 ← remainder

```

$$6379 \div 31 = 205 \text{ remainder } 24$$

```

      205
31 | 6379
    62
    --
    17
    0
    -
    179
    155
    ---
    24 ← remainder

```

$$6379 \div 37 = 172 \text{ remainder } 15$$

```

      172
37 | 6379
    37
    --
    267
    259
    ---

```

89
 74
 --
 15 ← remainder

$$6379 \div 41 = 155 \text{ remainder } 24$$

155
 41 | 6379
 41
 --
 227
 205

 229
 205

 24 ← remainder

$$6379 \div 43 = 148 \text{ remainder } 15$$

148
 43 | 6379
 43
 --
 207
 172

 359
 344

 15 ← remainder

$$6379 \div 47 = 135 \text{ remainder } 34$$

135
 47 | 6379
 47
 --
 167
 141

 269
 235

34 ← remainder

$$6379 \div 53 = 120 \text{ remainder } 19$$

```
    120
53 | 6379
    53
    --
    107
    106
    ---
     19
     0
     -
    19 ← remainder
```

$$6379 \div 59 = 108 \text{ remainder } 7$$

```
    108
59 | 6379
    59
    --
    47
    0
    -
    479
    472
    ---
     7 ← remainder
```

$$6379 \div 61 = 104 \text{ remainder } 35$$

```
    104
61 | 6379
    61
    --
    27
    0
    -
    279
    244
    ---
    35 ← remainder
```

$$6379 \div 67 = 95 \text{ remainder } 14$$

$$\begin{array}{r}
 95 \\
 67 \overline{) 6379} \\
 \underline{603} \\
 349 \\
 \underline{335} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$6379 \div 71 = 89 \text{ remainder } 60$$

$$\begin{array}{r}
 89 \\
 71 \overline{) 6379} \\
 \underline{568} \\
 699 \\
 \underline{639} \\
 60 \leftarrow \text{remainder}
 \end{array}$$

$$6379 \div 73 = 87 \text{ remainder } 28$$

$$\begin{array}{r}
 87 \\
 73 \overline{) 6379} \\
 \underline{584} \\
 539 \\
 \underline{511} \\
 28 \leftarrow \text{remainder}
 \end{array}$$

$$6379 \div 79 = 80 \text{ remainder } 59$$

$$\begin{array}{r}
 80 \\
 79 \overline{) 6379} \\
 \underline{632} \\
 59 \\
 \underline{0} \\
 59 \leftarrow \text{remainder}
 \end{array}$$

P₈₃₃ 6389

$$6389 \div 2 = 3194 \text{ remainder } 1$$

$$\begin{array}{r} 3194 \\ 2 \mid 6389 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 18 \\ \underline{18} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6389 \div 3 = 2129 \text{ remainder } 2$$

$$\begin{array}{r} 2129 \\ 3 \mid 6389 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6389 \div 5 = 1277 \text{ remainder } 4$$

$$\begin{array}{r} 1277 \\ 5 \mid 6389 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
38
35
--
39
35
--
4 ← remainder

```

$$6389 \div 7 = 912 \text{ remainder } 5$$

```

  912
7 | 6389
  63
  --
   8
   7
   -
  19
  14
  --
   5 ← remainder

```

$$6389 \div 11 = 580 \text{ remainder } 9$$

```

  580
11 | 6389
   55
   --
   88
   88
   --
    9
    0
    -
    9 ← remainder

```

$$6389 \div 13 = 491 \text{ remainder } 6$$

```

  491
13 | 6389
   52

```

```

--
118
117
---
19
13
--
6 ← remainder

```

$$6389 \div 17 = 375 \text{ remainder } 14$$

```

      375
17 | 6389
    51
    --
    128
    119
    ---
     99
     85
     --
    14 ← remainder

```

$$6389 \div 19 = 336 \text{ remainder } 5$$

```

      336
19 | 6389
    57
    --
    68
    57
    --
    119
    114
    ---
     5 ← remainder

```

$$6389 \div 23 = 277 \text{ remainder } 18$$

```

      277
23 | 6389
    46
    --
    178

```



```

161
---
179
161
---
18 ← remainder

```

$$6389 \div 29 = 220 \text{ remainder } 9$$

```

      220
29 | 6389
    58
    --
    58
    58
    --
    9
    0
    -
    9 ← remainder

```

$$6389 \div 31 = 206 \text{ remainder } 3$$

```

      206
31 | 6389
    62
    --
    18
    0
    -
    189
    186
    ---
    3 ← remainder

```

$$6389 \div 37 = 172 \text{ remainder } 25$$

```

      172
37 | 6389
    37
    --
    268
    259
    ---

```

99
 74
 --
 25 ← remainder

$$6389 \div 41 = 155 \text{ remainder } 34$$

155
 41 | 6389
 41
 --
 228
 205
 --
 239
 205
 --
 34 ← remainder

$$6389 \div 43 = 148 \text{ remainder } 25$$

148
 43 | 6389
 43
 --
 208
 172
 --
 369
 344
 --
 25 ← remainder

$$6389 \div 47 = 135 \text{ remainder } 44$$

135
 47 | 6389
 47
 --
 168
 141
 --
 279
 235

44 ← remainder

$$6389 \div 53 = 120 \text{ remainder } 29$$

```
    120
53 | 6389
    53
    --
    108
    106
    ---
     29
     0
     -
    29 ← remainder
```

$$6389 \div 59 = 108 \text{ remainder } 17$$

```
    108
59 | 6389
    59
    --
    48
    0
    -
    489
    472
    ---
     17 ← remainder
```

$$6389 \div 61 = 104 \text{ remainder } 45$$

```
    104
61 | 6389
    61
    --
    28
    0
    -
    289
    244
    ---
     45 ← remainder
```

$$6389 \div 67 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6389} \\ \underline{603} \\ 359 \\ \underline{335} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6389 \div 71 = 89 \text{ remainder } 70$$

$$\begin{array}{r} 89 \\ 71 \overline{) 6389} \\ \underline{568} \\ 709 \\ \underline{639} \\ 70 \leftarrow \text{remainder} \end{array}$$

$$6389 \div 73 = 87 \text{ remainder } 38$$

$$\begin{array}{r} 87 \\ 73 \overline{) 6389} \\ \underline{584} \\ 549 \\ \underline{511} \\ 38 \leftarrow \text{remainder} \end{array}$$

$$6389 \div 79 = 80 \text{ remainder } 69$$

$$\begin{array}{r} 80 \\ 79 \overline{) 6389} \\ \underline{632} \\ 69 \\ \underline{0} \\ 69 \leftarrow \text{remainder} \end{array}$$

P₈₃₄ 6397

$$6397 \div 2 = 3198 \text{ remainder } 1$$

$$\begin{array}{r} 3198 \\ 2 \mid 6397 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6397 \div 3 = 2132 \text{ remainder } 1$$

$$\begin{array}{r} 2132 \\ 3 \mid 6397 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 9 \\ \underline{9} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6397 \div 5 = 1279 \text{ remainder } 2$$

$$\begin{array}{r} 1279 \\ 5 \mid 6397 \\ \underline{5} \\ - \end{array}$$

```

13
10
--
39
35
--
47
45
--
2 ← remainder

```

$$6397 \div 7 = 913 \text{ remainder } 6$$

```

  913
7 | 6397
  63
  --
   9
   7
   -
  27
  21
  --
   6 ← remainder

```

$$6397 \div 11 = 581 \text{ remainder } 6$$

```

  581
11 | 6397
   55
   --
   89
   88
   --
   17
   11
   --
    6 ← remainder

```

$$6397 \div 13 = 492 \text{ remainder } 1$$

```

  492
13 | 6397
   52

```

```

--
119
117
---
27
26
--
1 ← remainder

```

$$6397 \div 17 = 376 \text{ remainder } 5$$

```

      376
17 | 6397
    51
    --
    129
    119
    ---
    107
    102
    ---
    5 ← remainder

```

$$6397 \div 19 = 336 \text{ remainder } 13$$

```

      336
19 | 6397
    57
    --
    69
    57
    --
    127
    114
    ---
    13 ← remainder

```

$$6397 \div 23 = 278 \text{ remainder } 3$$

```

      278
23 | 6397
    46
    --
    179

```

```

161
---
187
184
---
3 ← remainder

```

$$6397 \div 29 = 220 \text{ remainder } 17$$

```

      220
29 | 6397
    58
    --
    59
    58
    --
    17
    0
    -
    17 ← remainder

```

$$6397 \div 31 = 206 \text{ remainder } 11$$

```

      206
31 | 6397
    62
    --
    19
    0
    -
    197
    186
    ---
    11 ← remainder

```

$$6397 \div 37 = 172 \text{ remainder } 33$$

```

      172
37 | 6397
    37
    --
    269
    259
    ---

```



```

107
74
--
33 ← remainder

```

$$6397 \div 41 = 156 \text{ remainder } 1$$

```

156
41 | 6397
   41
   --
   229
   205
   ---
   247
   246
   ---
   1 ← remainder

```

$$6397 \div 43 = 148 \text{ remainder } 33$$

```

148
43 | 6397
   43
   --
   209
   172
   ---
   377
   344
   ---
   33 ← remainder

```

$$6397 \div 47 = 136 \text{ remainder } 5$$

```

136
47 | 6397
   47
   --
   169
   141
   ---
   287
   282

```

5 ← remainder

$$6397 \div 53 = 120 \text{ remainder } 37$$

120
53 | 6397
53
--
109
106

37
0
-
37 ← remainder

$$6397 \div 59 = 108 \text{ remainder } 25$$

108
59 | 6397
59
--
49
0
-
497
472

25 ← remainder

$$6397 \div 61 = 104 \text{ remainder } 53$$

104
61 | 6397
61
--
29
0
-
297
244

53 ← remainder

$$6397 \div 67 = 95 \text{ remainder } 32$$

$$\begin{array}{r}
 95 \\
 67 \overline{) 6397} \\
 \underline{603} \\
 367 \\
 \underline{335} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$6397 \div 71 = 90 \text{ remainder } 7$$

$$\begin{array}{r}
 90 \\
 71 \overline{) 6397} \\
 \underline{639} \\
 7 \\
 \underline{0} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$6397 \div 73 = 87 \text{ remainder } 46$$

$$\begin{array}{r}
 87 \\
 73 \overline{) 6397} \\
 \underline{584} \\
 557 \\
 \underline{511} \\
 46 \leftarrow \text{remainder}
 \end{array}$$

$$6397 \div 79 = 80 \text{ remainder } 77$$

$$\begin{array}{r}
 80 \\
 79 \overline{) 6397} \\
 \underline{632} \\
 77 \\
 \underline{0} \\
 77 \leftarrow \text{remainder}
 \end{array}$$

P₈₃₅ 6421

$$6421 \div 2 = 3210 \text{ remainder } 1$$

$$\begin{array}{r} 3210 \\ 2 \mid 6421 \\ 6 \\ - \\ 4 \\ 4 \\ - \\ 2 \\ 2 \\ - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6421 \div 3 = 2140 \text{ remainder } 1$$

$$\begin{array}{r} 2140 \\ 3 \mid 6421 \\ 6 \\ - \\ 4 \\ 3 \\ - \\ 12 \\ 12 \\ - - \\ 1 \\ 0 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6421 \div 5 = 1284 \text{ remainder } 1$$

$$\begin{array}{r} 1284 \\ 5 \mid 6421 \\ 5 \\ - \end{array}$$

```

14
10
--
42
40
--
21
20
--
1 ← remainder

```

$$6421 \div 7 = 917 \text{ remainder } 2$$

```

  917
7 | 6421
  63
  --
   12
   7
   -
   51
   49
   --
   2 ← remainder

```

$$6421 \div 11 = 583 \text{ remainder } 8$$

```

  583
11 | 6421
   55
   --
   92
   88
   --
   41
   33
   --
   8 ← remainder

```

$$6421 \div 13 = 493 \text{ remainder } 12$$

```

  493
13 | 6421
   52

```

```

--
122
117
---
51
39
--
12 ← remainder

```

$$6421 \div 17 = 377 \text{ remainder } 12$$

```

      377
17 | 6421
    51
    --
    132
    119
    ---
    131
    119
    ---
    12 ← remainder

```

$$6421 \div 19 = 337 \text{ remainder } 18$$

```

      337
19 | 6421
    57
    --
    72
    57
    --
    151
    133
    ---
    18 ← remainder

```

$$6421 \div 23 = 279 \text{ remainder } 4$$

```

      279
23 | 6421
    46
    --
    182

```

```

161
---
211
207
---
4 ← remainder

```

$$6421 \div 29 = 221 \text{ remainder } 12$$

```

      221
29 | 6421
    58
    --
     62
     58
     --
      41
      29
      --
      12 ← remainder

```

$$6421 \div 31 = 207 \text{ remainder } 4$$

```

      207
31 | 6421
    62
    --
     22
     0
     -
     221
     217
     ---
      4 ← remainder

```

$$6421 \div 37 = 173 \text{ remainder } 20$$

```

      173
37 | 6421
    37
    --
     272
     259
     ---

```

```

131
111
---
20 ← remainder

```

$$6421 \div 41 = 156 \text{ remainder } 25$$

```

156
41 | 6421
   41
   --
   232
   205
   ---
   271
   246
   ---
   25 ← remainder

```

$$6421 \div 43 = 149 \text{ remainder } 14$$

```

149
43 | 6421
   43
   --
   212
   172
   ---
   401
   387
   ---
   14 ← remainder

```

$$6421 \div 47 = 136 \text{ remainder } 29$$

```

136
47 | 6421
   47
   --
   172
   141
   ---
   311
   282

```

29 ← remainder

$$6421 \div 53 = 121 \text{ remainder } 8$$

```
      121
53 | 6421
    53
    --
    112
    106
    ---
     61
     53
     --
      8 ← remainder
```

$$6421 \div 59 = 108 \text{ remainder } 49$$

```
      108
59 | 6421
    59
    --
    52
    0
    -
    521
    472
    ---
     49 ← remainder
```

$$6421 \div 61 = 105 \text{ remainder } 16$$

```
      105
61 | 6421
    61
    --
    32
    0
    -
    321
    305
    ---
     16 ← remainder
```

$$6421 \div 67 = 95 \text{ remainder } 56$$

$$\begin{array}{r}
 95 \\
 67 \overline{) 6421} \\
 \underline{603} \\
 391 \\
 \underline{335} \\
 56 \leftarrow \text{remainder}
 \end{array}$$

$$6421 \div 71 = 90 \text{ remainder } 31$$

$$\begin{array}{r}
 90 \\
 71 \overline{) 6421} \\
 \underline{639} \\
 31 \\
 \underline{0} \\
 - \\
 31 \leftarrow \text{remainder}
 \end{array}$$

$$6421 \div 73 = 87 \text{ remainder } 70$$

$$\begin{array}{r}
 87 \\
 73 \overline{) 6421} \\
 \underline{584} \\
 581 \\
 \underline{511} \\
 70 \leftarrow \text{remainder}
 \end{array}$$

$$6421 \div 79 = 81 \text{ remainder } 22$$

$$\begin{array}{r}
 81 \\
 79 \overline{) 6421} \\
 \underline{632} \\
 101 \\
 \underline{79} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

P₈₃₆ 6427

$$6427 \div 2 = 3213 \text{ remainder } 1$$

$$\begin{array}{r} 3213 \\ 2 \mid 6427 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 3 = 2142 \text{ remainder } 1$$

$$\begin{array}{r} 2142 \\ 3 \mid 6427 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 5 = 1285 \text{ remainder } 2$$

$$\begin{array}{r} 1285 \\ 5 \mid 6427 \\ \underline{5} \\ - \end{array}$$

```

14
10
--
42
40
--
27
25
--
2 ← remainder

```

$$6427 \div 7 = 918 \text{ remainder } 1$$

```

  918
7 | 6427
  63
  --
  12
   7
   -
  57
  56
  --
  1 ← remainder

```

$$6427 \div 11 = 584 \text{ remainder } 3$$

```

  584
11 | 6427
   55
   --
   92
   88
   --
   47
   44
   --
   3 ← remainder

```

$$6427 \div 13 = 494 \text{ remainder } 5$$

```

  494
13 | 6427
   52

```

```

--
122
117
---
57
52
--
5 ← remainder

```

$$6427 \div 17 = 378 \text{ remainder } 1$$

```

      378
17 | 6427
    51
    --
    132
    119
    ---
    137
    136
    ---
    1 ← remainder

```

$$6427 \div 19 = 338 \text{ remainder } 5$$

```

      338
19 | 6427
    57
    --
    72
    57
    --
    157
    152
    ---
    5 ← remainder

```

$$6427 \div 23 = 279 \text{ remainder } 10$$

```

      279
23 | 6427
    46
    --
    182

```

```

161
---
217
207
---
10 ← remainder

```

$$6427 \div 29 = 221 \text{ remainder } 18$$

```

      221
29 | 6427
    58
    --
     62
     58
     --
      47
      29
      --
      18 ← remainder

```

$$6427 \div 31 = 207 \text{ remainder } 10$$

```

      207
31 | 6427
    62
    --
     22
     0
     -
     227
     217
     ---
      10 ← remainder

```

$$6427 \div 37 = 173 \text{ remainder } 26$$

```

      173
37 | 6427
    37
    --
     272
     259
     ---

```

```

137
111
---
26 ← remainder

```

$$6427 \div 41 = 156 \text{ remainder } 31$$

```

156
41 | 6427
   41
   --
   232
   205
   ---
   277
   246
   ---
   31 ← remainder

```

$$6427 \div 43 = 149 \text{ remainder } 20$$

```

149
43 | 6427
   43
   --
   212
   172
   ---
   407
   387
   ---
   20 ← remainder

```

$$6427 \div 47 = 136 \text{ remainder } 35$$

```

136
47 | 6427
   47
   --
   172
   141
   ---
   317
   282

```

35 ← remainder

$$6427 \div 53 = 121 \text{ remainder } 14$$

```
    121
53 | 6427
    53
    --
    112
    106
    ---
     67
     53
     --
     14 ← remainder
```

$$6427 \div 59 = 108 \text{ remainder } 55$$

```
    108
59 | 6427
    59
    --
    52
    0
    -
    527
    472
    ---
     55 ← remainder
```

$$6427 \div 61 = 105 \text{ remainder } 22$$

```
    105
61 | 6427
    61
    --
    32
    0
    -
    327
    305
    ---
     22 ← remainder
```


$$6427 \div 67 = 95 \text{ remainder } 62$$

$$\begin{array}{r} 95 \\ 67 \overline{) 6427} \\ \underline{603} \\ 397 \\ \underline{335} \\ 62 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 71 = 90 \text{ remainder } 37$$

$$\begin{array}{r} 90 \\ 71 \overline{) 6427} \\ \underline{639} \\ 37 \\ \underline{0} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 73 = 88 \text{ remainder } 3$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6427} \\ \underline{584} \\ 587 \\ \underline{584} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6427 \div 79 = 81 \text{ remainder } 28$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6427} \\ \underline{632} \\ 107 \\ \underline{79} \\ 28 \leftarrow \text{remainder} \end{array}$$

P₈₃₇ 6449

$$6449 \div 2 = 3224 \text{ remainder } 1$$

$$\begin{array}{r} 3224 \\ 2 \mid 6449 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6449 \div 3 = 2149 \text{ remainder } 2$$

$$\begin{array}{r} 2149 \\ 3 \mid 6449 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 14 \\ \underline{12} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6449 \div 5 = 1289 \text{ remainder } 4$$

$$\begin{array}{r} 1289 \\ 5 \mid 6449 \\ \underline{5} \\ - \end{array}$$

```

14
10
--
44
40
--
49
45
--
4 ← remainder

```

$$6449 \div 7 = 921 \text{ remainder } 2$$

```

  921
7 | 6449
  63
  --
  14
  14
  --
   9
   7
   -
   2 ← remainder

```

$$6449 \div 11 = 586 \text{ remainder } 3$$

```

  586
11 | 6449
   55
   --
   94
   88
   --
   69
   66
   --
   3 ← remainder

```

$$6449 \div 13 = 496 \text{ remainder } 1$$

```

  496
13 | 6449
   52

```

```

--
124
117
---
79
78
--
1 ← remainder

```

$$6449 \div 17 = 379 \text{ remainder } 6$$

```

379
17 | 6449
   51
   --
   134
   119
   ---
   159
   153
   ---
   6 ← remainder

```

$$6449 \div 19 = 339 \text{ remainder } 8$$

```

339
19 | 6449
   57
   --
   74
   57
   --
   179
   171
   ---
   8 ← remainder

```

$$6449 \div 23 = 280 \text{ remainder } 9$$

```

280
23 | 6449
   46
   --
   184

```

```

184
---
9
0
-
-
9 ← remainder

```

$$6449 \div 29 = 222 \text{ remainder } 11$$

```

      222
29 | 6449
    58
    --
    64
    58
    --
    69
    58
    --
    11 ← remainder

```

$$6449 \div 31 = 208 \text{ remainder } 1$$

```

      208
31 | 6449
    62
    --
    24
    0
    -
    249
    248
    ---
    1 ← remainder

```

$$6449 \div 37 = 174 \text{ remainder } 11$$

```

      174
37 | 6449
    37
    --
    274
    259
    ---

```

```

159
148
---
11 ← remainder

```

$$6449 \div 41 = 157 \text{ remainder } 12$$

```

157
41 | 6449
   41
   --
   234
   205
   ---
   299
   287
   ---
   12 ← remainder

```

$$6449 \div 43 = 149 \text{ remainder } 42$$

```

149
43 | 6449
   43
   --
   214
   172
   ---
   429
   387
   ---
   42 ← remainder

```

$$6449 \div 47 = 137 \text{ remainder } 10$$

```

137
47 | 6449
   47
   --
   174
   141
   ---
   339
   329

```

10 ← remainder

$$6449 \div 53 = 121 \text{ remainder } 36$$

```
      121
53 | 6449
    53
    --
    114
    106
    ---
     89
     53
     --
     36 ← remainder
```

$$6449 \div 59 = 109 \text{ remainder } 18$$

```
      109
59 | 6449
    59
    --
    54
     0
     -
    549
    531
    ---
     18 ← remainder
```

$$6449 \div 61 = 105 \text{ remainder } 44$$

```
      105
61 | 6449
    61
    --
    34
     0
     -
    349
    305
    ---
     44 ← remainder
```

$$6449 \div 67 = 96 \text{ remainder } 17$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6449} \\ \underline{603} \\ 419 \\ \underline{402} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$6449 \div 71 = 90 \text{ remainder } 59$$

$$\begin{array}{r} 90 \\ 71 \overline{) 6449} \\ \underline{639} \\ 59 \\ \underline{0} \\ 59 \leftarrow \text{remainder} \end{array}$$

$$6449 \div 73 = 88 \text{ remainder } 25$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6449} \\ \underline{584} \\ 609 \\ \underline{584} \\ 25 \leftarrow \text{remainder} \end{array}$$

$$6449 \div 79 = 81 \text{ remainder } 50$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6449} \\ \underline{632} \\ 129 \\ \underline{79} \\ 50 \leftarrow \text{remainder} \end{array}$$

P₈₃₈ 6451

$$6451 \div 2 = 3225 \text{ remainder } 1$$

$$\begin{array}{r} 3225 \\ 2 \mid 6451 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 3 = 2150 \text{ remainder } 1$$

$$\begin{array}{r} 2150 \\ 3 \mid 6451 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 15 \\ \underline{15} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 5 = 1290 \text{ remainder } 1$$

$$\begin{array}{r} 1290 \\ 5 \mid 6451 \\ \underline{5} \\ - \end{array}$$

```

14
10
--
45
45
--
1
0
-
1 ← remainder

```

$$6451 \div 7 = 921 \text{ remainder } 4$$

```

  921
7 | 6451
  63
  --
   15
   14
   --
    11
    7
    -
    4 ← remainder

```

$$6451 \div 11 = 586 \text{ remainder } 5$$

```

  586
11 | 6451
   55
   --
   95
   88
   --
   71
   66
   --
    5 ← remainder

```

$$6451 \div 13 = 496 \text{ remainder } 3$$

```

  496
13 | 6451
   52

```

```

--
125
117
---
81
78
--
3 ← remainder

```

$$6451 \div 17 = 379 \text{ remainder } 8$$

```

379
17 | 6451
   51
   --
   135
   119
   ---
   161
   153
   ---
   8 ← remainder

```

$$6451 \div 19 = 339 \text{ remainder } 10$$

```

339
19 | 6451
   57
   --
   75
   57
   --
   181
   171
   ---
   10 ← remainder

```

$$6451 \div 23 = 280 \text{ remainder } 11$$

```

280
23 | 6451
   46
   --
   185

```

```

184
---
11
0
-
11 ← remainder

```

$$6451 \div 29 = 222 \text{ remainder } 13$$

```

      222
29 | 6451
    58
    --
    65
    58
    --
    71
    58
    --
    13 ← remainder

```

$$6451 \div 31 = 208 \text{ remainder } 3$$

```

      208
31 | 6451
    62
    --
    25
    0
    -
    251
    248
    ---
    3 ← remainder

```

$$6451 \div 37 = 174 \text{ remainder } 13$$

```

      174
37 | 6451
    37
    --
    275
    259
    ---

```

```

161
148
---
13 ← remainder

```

$$6451 \div 41 = 157 \text{ remainder } 14$$

```

157
41 | 6451
   41
   --
   235
   205
   ---
   301
   287
   ---
   14 ← remainder

```

$$6451 \div 43 = 150 \text{ remainder } 1$$

```

150
43 | 6451
   43
   --
   215
   215
   ---
   1
   0
   -
   1 ← remainder

```

$$6451 \div 47 = 137 \text{ remainder } 12$$

```

137
47 | 6451
   47
   --
   175
   141
   ---
   341
   329

```

12 ← remainder

$$6451 \div 53 = 121 \text{ remainder } 38$$

```
      121
53 | 6451
    53
    --
    115
    106
    ---
     91
     53
     --
     38 ← remainder
```

$$6451 \div 59 = 109 \text{ remainder } 20$$

```
      109
59 | 6451
    59
    --
    55
    0
    -
    551
    531
    ---
     20 ← remainder
```

$$6451 \div 61 = 105 \text{ remainder } 46$$

```
      105
61 | 6451
    61
    --
    35
    0
    -
    351
    305
    ---
     46 ← remainder
```

$$6451 \div 67 = 96 \text{ remainder } 19$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6451} \\ \underline{603} \\ 421 \\ \underline{402} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 71 = 90 \text{ remainder } 61$$

$$\begin{array}{r} 90 \\ 71 \overline{) 6451} \\ \underline{639} \\ 61 \\ \underline{0} \\ 61 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 73 = 88 \text{ remainder } 27$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6451} \\ \underline{584} \\ 611 \\ \underline{584} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6451 \div 79 = 81 \text{ remainder } 52$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6451} \\ \underline{632} \\ 131 \\ \underline{79} \\ 52 \leftarrow \text{remainder} \end{array}$$

P₈₃₉ 6469

$$6469 \div 2 = 3234 \text{ remainder } 1$$

$$\begin{array}{r} 3234 \\ 2 \mid 6469 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6469 \div 3 = 2156 \text{ remainder } 1$$

$$\begin{array}{r} 2156 \\ 3 \mid 6469 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 16 \\ \underline{15} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6469 \div 5 = 1293 \text{ remainder } 4$$

$$\begin{array}{r} 1293 \\ 5 \mid 6469 \\ \underline{5} \\ - \end{array}$$


```

14
10
--
46
45
--
19
15
--
4 ← remainder

```

$$6469 \div 7 = 924 \text{ remainder } 1$$

```

    924
7 | 6469
   63
   --
   16
   14
   --
   29
   28
   --
   1 ← remainder

```

$$6469 \div 11 = 588 \text{ remainder } 1$$

```

    588
11 | 6469
    55
    --
    96
    88
    --
    89
    88
    --
    1 ← remainder

```

$$6469 \div 13 = 497 \text{ remainder } 8$$

```

    497
13 | 6469
    52

```

```

--
126
117
---
99
91
--
8 ← remainder

```

$$6469 \div 17 = 380 \text{ remainder } 9$$

```

380
17 | 6469
   51
   --
   136
   136
   ---
    9
    0
    -
    9 ← remainder

```

$$6469 \div 19 = 340 \text{ remainder } 9$$

```

340
19 | 6469
   57
   --
   76
   76
   --
    9
    0
    -
    9 ← remainder

```

$$6469 \div 23 = 281 \text{ remainder } 6$$

```

281
23 | 6469
   46
   --
   186

```

```

184
---
29
23
--
6 ← remainder

```

$$6469 \div 29 = 223 \text{ remainder } 2$$

```

      223
29 | 6469
    58
    --
     66
     58
     --
      89
      87
      --
       2 ← remainder

```

$$6469 \div 31 = 208 \text{ remainder } 21$$

```

      208
31 | 6469
    62
    --
     26
     0
     -
     269
     248
     ---
      21 ← remainder

```

$$6469 \div 37 = 174 \text{ remainder } 31$$

```

      174
37 | 6469
    37
    --
     276
     259
     ---

```

```

179
148
---
31 ← remainder

```

$$6469 \div 41 = 157 \text{ remainder } 32$$

```

157
41 | 6469
   41
   --
   236
   205
   ---
   319
   287
   ---
   32 ← remainder

```

$$6469 \div 43 = 150 \text{ remainder } 19$$

```

150
43 | 6469
   43
   --
   216
   215
   ---
   19
   0
   -
   19 ← remainder

```

$$6469 \div 47 = 137 \text{ remainder } 30$$

```

137
47 | 6469
   47
   --
   176
   141
   ---
   359
   329

```

30 ← remainder

$$6469 \div 53 = 122 \text{ remainder } 3$$

```
      122
53 | 6469
    53
    --
    116
    106
    ---
    109
    106
    ---
    3 ← remainder
```

$$6469 \div 59 = 109 \text{ remainder } 38$$

```
      109
59 | 6469
    59
    --
    56
    0
    -
    569
    531
    ---
    38 ← remainder
```

$$6469 \div 61 = 106 \text{ remainder } 3$$

```
      106
61 | 6469
    61
    --
    36
    0
    -
    369
    366
    ---
    3 ← remainder
```

$$6469 \div 67 = 96 \text{ remainder } 37$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6469} \\ \underline{603} \\ 439 \\ \underline{402} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6469 \div 71 = 91 \text{ remainder } 8$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6469} \\ \underline{639} \\ 79 \\ \underline{71} \\ 8 \leftarrow \text{remainder} \end{array}$$

$$6469 \div 73 = 88 \text{ remainder } 45$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6469} \\ \underline{584} \\ 629 \\ \underline{584} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6469 \div 79 = 81 \text{ remainder } 70$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6469} \\ \underline{632} \\ 149 \\ \underline{79} \\ 70 \leftarrow \text{remainder} \end{array}$$

P₈₄₀ 6473

$$6473 \div 2 = 3236 \text{ remainder } 1$$

$$\begin{array}{r} 3236 \\ 2 \mid 6473 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6473 \div 3 = 2157 \text{ remainder } 2$$

$$\begin{array}{r} 2157 \\ 3 \mid 6473 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6473 \div 5 = 1294 \text{ remainder } 3$$

$$\begin{array}{r} 1294 \\ 5 \mid 6473 \\ \underline{5} \\ - \end{array}$$

```

14
10
--
47
45
--
23
20
--
3 ← remainder

```

$$6473 \div 7 = 924 \text{ remainder } 5$$

```

  924
7 | 6473
  63
  --
  17
  14
  --
  33
  28
  --
  5 ← remainder

```

$$6473 \div 11 = 588 \text{ remainder } 5$$

```

  588
11 | 6473
   55
   --
   97
   88
   --
   93
   88
   --
   5 ← remainder

```

$$6473 \div 13 = 497 \text{ remainder } 12$$

```

  497
13 | 6473
   52

```



```

--
127
117
---
103
91
--
12 ← remainder

```

$$6473 \div 17 = 380 \text{ remainder } 13$$

```

      380
17 | 6473
    51
    --
    137
    136
    ---
     13
     0
     -
    13 ← remainder

```

$$6473 \div 19 = 340 \text{ remainder } 13$$

```

      340
19 | 6473
    57
    --
     77
     76
     --
      13
      0
      -
     13 ← remainder

```

$$6473 \div 23 = 281 \text{ remainder } 10$$

```

      281
23 | 6473
    46
    --
    187

```

```

184
---
33
23
--
10 ← remainder

```

$$6473 \div 29 = 223 \text{ remainder } 6$$

```

      223
29 | 6473
    58
    --
    67
    58
    --
    93
    87
    --
    6 ← remainder

```

$$6473 \div 31 = 208 \text{ remainder } 25$$

```

      208
31 | 6473
    62
    --
    27
    0
    -
    273
    248
    ---
    25 ← remainder

```

$$6473 \div 37 = 174 \text{ remainder } 35$$

```

      174
37 | 6473
    37
    --
    277
    259
    ---

```

```

183
148
---
35 ← remainder

```

$$6473 \div 41 = 157 \text{ remainder } 36$$

```

157
41 | 6473
   41
   --
   237
   205
   ---
   323
   287
   ---
   36 ← remainder

```

$$6473 \div 43 = 150 \text{ remainder } 23$$

```

150
43 | 6473
   43
   --
   217
   215
   ---
   23
   0
   -
   23 ← remainder

```

$$6473 \div 47 = 137 \text{ remainder } 34$$

```

137
47 | 6473
   47
   --
   177
   141
   ---
   363
   329

```

34 ← remainder

$$6473 \div 53 = 122 \text{ remainder } 7$$

```
    122
53 | 6473
    53
    --
    117
    106
    ---
    113
    106
    ---
    7 ← remainder
```

$$6473 \div 59 = 109 \text{ remainder } 42$$

```
    109
59 | 6473
    59
    --
    57
    0
    -
    573
    531
    ---
    42 ← remainder
```

$$6473 \div 61 = 106 \text{ remainder } 7$$

```
    106
61 | 6473
    61
    --
    37
    0
    -
    373
    366
    ---
    7 ← remainder
```

$$6473 \div 67 = 96 \text{ remainder } 41$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6473} \\ \underline{603} \\ 443 \\ \underline{402} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$6473 \div 71 = 91 \text{ remainder } 12$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6473} \\ \underline{639} \\ 83 \\ \underline{71} \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6473 \div 73 = 88 \text{ remainder } 49$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6473} \\ \underline{584} \\ 633 \\ \underline{584} \\ 49 \leftarrow \text{remainder} \end{array}$$

$$6473 \div 79 = 81 \text{ remainder } 74$$

$$\begin{array}{r} 81 \\ 79 \overline{) 6473} \\ \underline{632} \\ 153 \\ \underline{79} \\ 74 \leftarrow \text{remainder} \end{array}$$

P₈₄₁ 6481

$$6481 \div 2 = 3240 \text{ remainder } 1$$

$$\begin{array}{r} 3240 \\ 2 \mid 6481 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 3 = 2160 \text{ remainder } 1$$

$$\begin{array}{r} 2160 \\ 3 \mid 6481 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 5 = 1296 \text{ remainder } 1$$

$$\begin{array}{r} 1296 \\ 5 \mid 6481 \\ \underline{5} \\ - \end{array}$$

```

14
10
--
48
45
--
31
30
--
1 ← remainder

```

$$6481 \div 7 = 925 \text{ remainder } 6$$

```

  925
7 | 6481
  63
  --
   18
   14
   --
   41
   35
   --
   6 ← remainder

```

$$6481 \div 11 = 589 \text{ remainder } 2$$

```

  589
11 | 6481
   55
   --
   98
   88
   --
  101
   99
   --
   2 ← remainder

```

$$6481 \div 13 = 498 \text{ remainder } 7$$

```

  498
13 | 6481
   52

```

```

--
128
117
---
111
104
---
7 ← remainder

```

$$6481 \div 17 = 381 \text{ remainder } 4$$

```

      381
17 | 6481
    51
    --
    138
    136
    ---
     21
     17
     --
     4 ← remainder

```

$$6481 \div 19 = 341 \text{ remainder } 2$$

```

      341
19 | 6481
    57
    --
     78
     76
     --
     21
     19
     --
     2 ← remainder

```

$$6481 \div 23 = 281 \text{ remainder } 18$$

```

      281
23 | 6481
    46
    --
    188

```



```

184
---
41
23
--
18 ← remainder

```

$$6481 \div 29 = 223 \text{ remainder } 14$$

```

      223
29 | 6481
    58
    --
    68
    58
    --
    101
    87
    --
    14 ← remainder

```

$$6481 \div 31 = 209 \text{ remainder } 2$$

```

      209
31 | 6481
    62
    --
    28
    0
    -
    281
    279
    ---
    2 ← remainder

```

$$6481 \div 37 = 175 \text{ remainder } 6$$

```

      175
37 | 6481
    37
    --
    278
    259
    ---

```

```

191
185
---
6 ← remainder

```

$$6481 \div 41 = 158 \text{ remainder } 3$$

```

158
41 | 6481
   41
   --
   238
   205
   ---
   331
   328
   ---
   3 ← remainder

```

$$6481 \div 43 = 150 \text{ remainder } 31$$

```

150
43 | 6481
   43
   --
   218
   215
   ---
   31
   0
   -
   31 ← remainder

```

$$6481 \div 47 = 137 \text{ remainder } 42$$

```

137
47 | 6481
   47
   --
   178
   141
   ---
   371
   329

```

42 ← remainder

$$6481 \div 53 = 122 \text{ remainder } 15$$

```
      122
53 | 6481
    53
    --
    118
    106
    ---
    121
    106
    ---
    15 ← remainder
```

$$6481 \div 59 = 109 \text{ remainder } 50$$

```
      109
59 | 6481
    59
    --
    58
    0
    -
    581
    531
    ---
    50 ← remainder
```

$$6481 \div 61 = 106 \text{ remainder } 15$$

```
      106
61 | 6481
    61
    --
    38
    0
    -
    381
    366
    ---
    15 ← remainder
```

$$6481 \div 67 = 96 \text{ remainder } 49$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6481} \\ \underline{603} \\ 451 \\ \underline{402} \\ 49 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 71 = 91 \text{ remainder } 20$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6481} \\ \underline{639} \\ 91 \\ \underline{71} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 73 = 88 \text{ remainder } 57$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6481} \\ \underline{584} \\ 641 \\ \underline{584} \\ 57 \leftarrow \text{remainder} \end{array}$$

$$6481 \div 79 = 82 \text{ remainder } 3$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6481} \\ \underline{632} \\ 161 \\ \underline{158} \\ 3 \leftarrow \text{remainder} \end{array}$$

P₈₄₂ 6491

$$6491 \div 2 = 3245 \text{ remainder } 1$$

$$\begin{array}{r} 3245 \\ 2 \mid 6491 \\ \underline{6} \\ - \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6491 \div 3 = 2163 \text{ remainder } 2$$

$$\begin{array}{r} 2163 \\ 3 \mid 6491 \\ \underline{6} \\ - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6491 \div 5 = 1298 \text{ remainder } 1$$

$$\begin{array}{r} 1298 \\ 5 \mid 6491 \\ \underline{5} \\ - \end{array}$$

```

14
10
--
49
45
--
41
40
--
1 ← remainder

```

$$6491 \div 7 = 927 \text{ remainder } 2$$

```

  927
7 | 6491
  63
  --
  19
  14
  --
  51
  49
  --
  2 ← remainder

```

$$6491 \div 11 = 590 \text{ remainder } 1$$

```

  590
11 | 6491
   55
   --
   99
   99
   --
   1
   0
   -
   1 ← remainder

```

$$6491 \div 13 = 499 \text{ remainder } 4$$

```

  499
13 | 6491
   52

```

```

--
129
117
---
121
117
---
4 ← remainder

```

$$6491 \div 17 = 381 \text{ remainder } 14$$

```

      381
17 | 6491
    51
    --
    139
    136
    ---
     31
     17
     --
    14 ← remainder

```

$$6491 \div 19 = 341 \text{ remainder } 12$$

```

      341
19 | 6491
    57
    --
     79
     76
     --
     31
     19
     --
    12 ← remainder

```

$$6491 \div 23 = 282 \text{ remainder } 5$$

```

      282
23 | 6491
    46
    --
    189

```

```

184
---
51
46
--
5 ← remainder

```

$$6491 \div 29 = 223 \text{ remainder } 24$$

```

223
29 | 6491
   58
   --
   69
   58
   --
  111
   87
   --
  24 ← remainder

```

$$6491 \div 31 = 209 \text{ remainder } 12$$

```

209
31 | 6491
   62
   --
   29
   0
   -
  291
  279
  ---
  12 ← remainder

```

$$6491 \div 37 = 175 \text{ remainder } 16$$

```

175
37 | 6491
   37
   --
  279
  259
  ---

```



```

201
185
---
16 ← remainder

```

$$6491 \div 41 = 158 \text{ remainder } 13$$

```

158
41 | 6491
   41
   --
   239
   205
   ---
   341
   328
   ---
   13 ← remainder

```

$$6491 \div 43 = 150 \text{ remainder } 41$$

```

150
43 | 6491
   43
   --
   219
   215
   ---
   41
   0
   -
   41 ← remainder

```

$$6491 \div 47 = 138 \text{ remainder } 5$$

```

138
47 | 6491
   47
   --
   179
   141
   ---
   381
   376

```

5 ← remainder

$$6491 \div 53 = 122 \text{ remainder } 25$$

```
      122
53 | 6491
    53
    --
    119
    106
    ---
    131
    106
    ---
    25 ← remainder
```

$$6491 \div 59 = 110 \text{ remainder } 1$$

```
      110
59 | 6491
    59
    --
    59
    59
    --
    1
    0
    -
    1 ← remainder
```

$$6491 \div 61 = 106 \text{ remainder } 25$$

```
      106
61 | 6491
    61
    --
    39
    0
    -
    391
    366
    ---
    25 ← remainder
```

$$6491 \div 67 = 96 \text{ remainder } 59$$

$$\begin{array}{r} 96 \\ 67 \overline{) 6491} \\ \underline{603} \\ 461 \\ \underline{402} \\ 59 \leftarrow \text{remainder} \end{array}$$

$$6491 \div 71 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6491} \\ \underline{639} \\ 101 \\ \underline{71} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$6491 \div 73 = 88 \text{ remainder } 67$$

$$\begin{array}{r} 88 \\ 73 \overline{) 6491} \\ \underline{584} \\ 651 \\ \underline{584} \\ 67 \leftarrow \text{remainder} \end{array}$$

$$6491 \div 79 = 82 \text{ remainder } 13$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6491} \\ \underline{632} \\ 171 \\ \underline{158} \\ 13 \leftarrow \text{remainder} \end{array}$$

P₈₄₃ 6521

$$6521 \div 2 = 3260 \text{ remainder } 1$$

$$\begin{array}{r} 3260 \\ 2 \mid 6521 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6521 \div 3 = 2173 \text{ remainder } 2$$

$$\begin{array}{r} 2173 \\ 3 \mid 6521 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 22 \\ \underline{21} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6521 \div 5 = 1304 \text{ remainder } 1$$

$$\begin{array}{r} 1304 \\ 5 \mid 6521 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
2
0
-
21
20
--
1 ← remainder

```

$$6521 \div 7 = 931 \text{ remainder } 4$$

```

  931
7 | 6521
  63
  --
  22
  21
  --
  11
   7
   -
   4 ← remainder

```

$$6521 \div 11 = 592 \text{ remainder } 9$$

```

  592
11 | 6521
   55
   --
  102
   99
   --
   31
   22
   --
   9 ← remainder

```

$$6521 \div 13 = 501 \text{ remainder } 8$$

```

  501
13 | 6521
   65

```

```

--
2
0
-
21
13
--
8 ← remainder

```

$$6521 \div 17 = 383 \text{ remainder } 10$$

```

      383
17 | 6521
    51
    --
    142
    136
    ---
     61
     51
     --
    10 ← remainder

```

$$6521 \div 19 = 343 \text{ remainder } 4$$

```

      343
19 | 6521
    57
    --
    82
    76
    --
    61
    57
    --
    4 ← remainder

```

$$6521 \div 23 = 283 \text{ remainder } 12$$

```

      283
23 | 6521
    46
    --
    192

```

```

184
---
81
69
--
12 ← remainder

```

$$6521 \div 29 = 224 \text{ remainder } 25$$

```

      224
29 | 6521
    58
    --
     72
     58
     --
     141
     116
     ---
      25 ← remainder

```

$$6521 \div 31 = 210 \text{ remainder } 11$$

```

      210
31 | 6521
    62
    --
     32
     31
     --
      11
      0
      -
      11 ← remainder

```

$$6521 \div 37 = 176 \text{ remainder } 9$$

```

      176
37 | 6521
    37
    --
     282
     259
     ---

```

```

231
222
---
9 ← remainder

```

$$6521 \div 41 = 159 \text{ remainder } 2$$

```

159
41 | 6521
   41
   --
   242
   205
   ---
   371
   369
   ---
   2 ← remainder

```

$$6521 \div 43 = 151 \text{ remainder } 28$$

```

151
43 | 6521
   43
   --
   222
   215
   ---
   71
   43
   --
   28 ← remainder

```

$$6521 \div 47 = 138 \text{ remainder } 35$$

```

138
47 | 6521
   47
   --
   182
   141
   ---
   411
   376

```

35 ← remainder

$$6521 \div 53 = 123 \text{ remainder } 2$$

123
53 | 6521
53
--
122
106

161
159

2 ← remainder

$$6521 \div 59 = 110 \text{ remainder } 31$$

110
59 | 6521
59
--
62
59
--
31
0
-
31 ← remainder

$$6521 \div 61 = 106 \text{ remainder } 55$$

106
61 | 6521
61
--
42
0
-
421
366

55 ← remainder

$$6521 \div 67 = 97 \text{ remainder } 22$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6521} \\ \underline{603} \\ 491 \\ \underline{469} \\ 22 \leftarrow \text{remainder} \end{array}$$

$$6521 \div 71 = 91 \text{ remainder } 60$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6521} \\ \underline{639} \\ 131 \\ \underline{71} \\ 60 \leftarrow \text{remainder} \end{array}$$

$$6521 \div 73 = 89 \text{ remainder } 24$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6521} \\ \underline{584} \\ 681 \\ \underline{657} \\ 24 \leftarrow \text{remainder} \end{array}$$

$$6521 \div 79 = 82 \text{ remainder } 43$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6521} \\ \underline{632} \\ 201 \\ \underline{158} \\ 43 \leftarrow \text{remainder} \end{array}$$

P₈₄₄ 6529

$$6529 \div 2 = 3264 \text{ remainder } 1$$

$$\begin{array}{r} 3264 \\ 2 \mid 6529 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 12 \\ \underline{12} \\ -- \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6529 \div 3 = 2176 \text{ remainder } 1$$

$$\begin{array}{r} 2176 \\ 3 \mid 6529 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 22 \\ \underline{21} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6529 \div 5 = 1305 \text{ remainder } 4$$

$$\begin{array}{r} 1305 \\ 5 \mid 6529 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
2
0
-
29
25
--
4 ← remainder

```

$$6529 \div 7 = 932 \text{ remainder } 5$$

```

  932
7 | 6529
  63
  --
  22
  21
  --
  19
  14
  --
  5 ← remainder

```

$$6529 \div 11 = 593 \text{ remainder } 6$$

```

  593
11 | 6529
   55
   --
  102
   99
   --
   39
   33
   --
   6 ← remainder

```

$$6529 \div 13 = 502 \text{ remainder } 3$$

```

  502
13 | 6529
   65

```

```

--
2
0
-
29
26
--
3 ← remainder

```

$$6529 \div 17 = 384 \text{ remainder } 1$$

```

      384
17 | 6529
    51
    --
    142
    136
    ---
     69
     68
     --
     1 ← remainder

```

$$6529 \div 19 = 343 \text{ remainder } 12$$

```

      343
19 | 6529
    57
    --
     82
     76
     --
     69
     57
     --
     12 ← remainder

```

$$6529 \div 23 = 283 \text{ remainder } 20$$

```

      283
23 | 6529
    46
    --
    192

```

```

184
---
89
69
--
20 ← remainder

```

$$6529 \div 29 = 225 \text{ remainder } 4$$

```

      225
29 | 6529
    58
    --
     72
     58
     --
    149
    145
    ---
     4 ← remainder

```

$$6529 \div 31 = 210 \text{ remainder } 19$$

```

      210
31 | 6529
    62
    --
     32
     31
     --
     19
     0
     -
    19 ← remainder

```

$$6529 \div 37 = 176 \text{ remainder } 17$$

```

      176
37 | 6529
    37
    --
    282
    259
    ---

```

```

239
222
---
17 ← remainder

```

$$6529 \div 41 = 159 \text{ remainder } 10$$

```

159
41 | 6529
   41
   --
   242
   205
   ---
   379
   369
   ---
   10 ← remainder

```

$$6529 \div 43 = 151 \text{ remainder } 36$$

```

151
43 | 6529
   43
   --
   222
   215
   ---
   79
   43
   --
   36 ← remainder

```

$$6529 \div 47 = 138 \text{ remainder } 43$$

```

138
47 | 6529
   47
   --
   182
   141
   ---
   419
   376

```

43 ← remainder

$$6529 \div 53 = 123 \text{ remainder } 10$$

```
      123
53 | 6529
    53
    --
    122
    106
    ---
    169
    159
    ---
    10 ← remainder
```

$$6529 \div 59 = 110 \text{ remainder } 39$$

```
      110
59 | 6529
    59
    --
    62
    59
    --
    39
    0
    -
    39 ← remainder
```

$$6529 \div 61 = 107 \text{ remainder } 2$$

```
      107
61 | 6529
    61
    --
    42
    0
    -
    429
    427
    ---
    2 ← remainder
```


$$6529 \div 67 = 97 \text{ remainder } 30$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6529} \\ \underline{603} \\ 499 \\ \underline{469} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$6529 \div 71 = 91 \text{ remainder } 68$$

$$\begin{array}{r} 91 \\ 71 \overline{) 6529} \\ \underline{639} \\ 139 \\ \underline{71} \\ 68 \leftarrow \text{remainder} \end{array}$$

$$6529 \div 73 = 89 \text{ remainder } 32$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6529} \\ \underline{584} \\ 689 \\ \underline{657} \\ 32 \leftarrow \text{remainder} \end{array}$$

$$6529 \div 79 = 82 \text{ remainder } 51$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6529} \\ \underline{632} \\ 209 \\ \underline{158} \\ 51 \leftarrow \text{remainder} \end{array}$$

P₈₄₅ 6547

$$6547 \div 2 = 3273 \text{ remainder } 1$$

$$\begin{array}{r} 3273 \\ 2 \mid 6547 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 3 = 2182 \text{ remainder } 1$$

$$\begin{array}{r} 2182 \\ 3 \mid 6547 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 24 \\ \underline{24} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 5 = 1309 \text{ remainder } 2$$

$$\begin{array}{r} 1309 \\ 5 \mid 6547 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
4
0
-
47
45
--
2 ← remainder

```

$$6547 \div 7 = 935 \text{ remainder } 2$$

```

  935
7 | 6547
  63
  --
  24
  21
  --
  37
  35
  --
  2 ← remainder

```

$$6547 \div 11 = 595 \text{ remainder } 2$$

```

  595
11 | 6547
   55
   --
  104
   99
   --
   57
   55
   --
   2 ← remainder

```

$$6547 \div 13 = 503 \text{ remainder } 8$$

```

  503
13 | 6547
   65

```

```

--
4
0
-
47
39
--
8 ← remainder

```

$$6547 \div 17 = 385 \text{ remainder } 2$$

```

385
17 | 6547
   51
   --
   144
   136
   ---
    87
    85
    --
    2 ← remainder

```

$$6547 \div 19 = 344 \text{ remainder } 11$$

```

344
19 | 6547
   57
   --
   84
   76
   --
   87
   76
   --
   11 ← remainder

```

$$6547 \div 23 = 284 \text{ remainder } 15$$

```

284
23 | 6547
   46
   --
   194

```

```

184
---
107
92
--
15 ← remainder

```

$$6547 \div 29 = 225 \text{ remainder } 22$$

```

      225
29 | 6547
    58
    --
     74
     58
     --
    167
    145
    ---
    22 ← remainder

```

$$6547 \div 31 = 211 \text{ remainder } 6$$

```

      211
31 | 6547
    62
    --
     34
     31
     --
     37
     31
     --
      6 ← remainder

```

$$6547 \div 37 = 176 \text{ remainder } 35$$

```

      176
37 | 6547
    37
    --
    284
    259
    ---

```

```

257
222
---
35 ← remainder

```

$$6547 \div 41 = 159 \text{ remainder } 28$$

```

159
41 | 6547
   41
   --
   244
   205
   ---
   397
   369
   ---
   28 ← remainder

```

$$6547 \div 43 = 152 \text{ remainder } 11$$

```

152
43 | 6547
   43
   --
   224
   215
   ---
   97
   86
   --
   11 ← remainder

```

$$6547 \div 47 = 139 \text{ remainder } 14$$

```

139
47 | 6547
   47
   --
   184
   141
   ---
   437
   423

```

14 ← remainder

$$6547 \div 53 = 123 \text{ remainder } 28$$

$$\begin{array}{r} 123 \\ 53 \overline{) 6547} \\ \underline{53} \end{array}$$

--

124

106

187

159

28 ← remainder

$$6547 \div 59 = 110 \text{ remainder } 57$$

$$\begin{array}{r} 110 \\ 59 \overline{) 6547} \\ \underline{59} \end{array}$$

--

64

59

--

57

0

-

57 ← remainder

$$6547 \div 61 = 107 \text{ remainder } 20$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6547} \\ \underline{61} \end{array}$$

--

44

0

-

447

427

20 ← remainder

$$6547 \div 67 = 97 \text{ remainder } 48$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6547} \\ \underline{603} \\ 517 \\ \underline{469} \\ 48 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 71 = 92 \text{ remainder } 15$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6547} \\ \underline{639} \\ 157 \\ \underline{142} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 73 = 89 \text{ remainder } 50$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6547} \\ \underline{584} \\ 707 \\ \underline{657} \\ 50 \leftarrow \text{remainder} \end{array}$$

$$6547 \div 79 = 82 \text{ remainder } 69$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6547} \\ \underline{632} \\ 227 \\ \underline{158} \\ 69 \leftarrow \text{remainder} \end{array}$$

P₈₄₆ 6551

$$6551 \div 2 = 3275 \text{ remainder } 1$$

$$\begin{array}{r} 3275 \\ 2 \mid 6551 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6551 \div 3 = 2183 \text{ remainder } 2$$

$$\begin{array}{r} 2183 \\ 3 \mid 6551 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6551 \div 5 = 1310 \text{ remainder } 1$$

$$\begin{array}{r} 1310 \\ 5 \mid 6551 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
5
5
-
1
0
-
1 ← remainder

```

$$6551 \div 7 = 935 \text{ remainder } 6$$

```

  935
7 | 6551
  63
  --
  25
  21
  --
  41
  35
  --
  6 ← remainder

```

$$6551 \div 11 = 595 \text{ remainder } 6$$

```

  595
11 | 6551
   55
   --
  105
   99
   --
   61
   55
   --
   6 ← remainder

```

$$6551 \div 13 = 503 \text{ remainder } 12$$

```

  503
13 | 6551
   65

```

```

--
5
0
-
51
39
--
12 ← remainder

```

$$6551 \div 17 = 385 \text{ remainder } 6$$

```

      385
17 | 6551
    51
    --
    145
    136
    ---
     91
     85
     --
     6 ← remainder

```

$$6551 \div 19 = 344 \text{ remainder } 15$$

```

      344
19 | 6551
    57
    --
    85
    76
    --
    91
    76
    --
    15 ← remainder

```

$$6551 \div 23 = 284 \text{ remainder } 19$$

```

      284
23 | 6551
    46
    --
    195

```

```

184
---
111
92
--
19 ← remainder

```

$$6551 \div 29 = 225 \text{ remainder } 26$$

```

      225
29 | 6551
    58
    --
     75
     58
     --
     171
     145
     ---
      26 ← remainder

```

$$6551 \div 31 = 211 \text{ remainder } 10$$

```

      211
31 | 6551
    62
    --
     35
     31
     --
     41
     31
     --
      10 ← remainder

```

$$6551 \div 37 = 177 \text{ remainder } 2$$

```

      177
37 | 6551
    37
    --
     285
     259
     ---

```

```

261
259
---
2 ← remainder

```

$$6551 \div 41 = 159 \text{ remainder } 32$$

```

159
41 | 6551
   41
   --
   245
   205
   ---
   401
   369
   ---
   32 ← remainder

```

$$6551 \div 43 = 152 \text{ remainder } 15$$

```

152
43 | 6551
   43
   --
   225
   215
   ---
   101
   86
   --
   15 ← remainder

```

$$6551 \div 47 = 139 \text{ remainder } 18$$

```

139
47 | 6551
   47
   --
   185
   141
   ---
   441
   423

```

18 ← remainder

$$6551 \div 53 = 123 \text{ remainder } 32$$

$$\begin{array}{r} 123 \\ 53 \overline{) 6551} \\ \underline{53} \end{array}$$

--

125

106

191

159

32 ← remainder

$$6551 \div 59 = 111 \text{ remainder } 2$$

$$\begin{array}{r} 111 \\ 59 \overline{) 6551} \\ \underline{59} \end{array}$$

--

65

59

--

61

59

--

2 ← remainder

$$6551 \div 61 = 107 \text{ remainder } 24$$

$$\begin{array}{r} 107 \\ 61 \overline{) 6551} \\ \underline{61} \end{array}$$

--

45

0

-

451

427

24 ← remainder

$$6551 \div 67 = 97 \text{ remainder } 52$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6551} \\ \underline{603} \\ 521 \\ \underline{469} \\ 52 \leftarrow \text{remainder} \end{array}$$

$$6551 \div 71 = 92 \text{ remainder } 19$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6551} \\ \underline{639} \\ 161 \\ \underline{142} \\ 19 \leftarrow \text{remainder} \end{array}$$

$$6551 \div 73 = 89 \text{ remainder } 54$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6551} \\ \underline{584} \\ 711 \\ \underline{657} \\ 54 \leftarrow \text{remainder} \end{array}$$

$$6551 \div 79 = 82 \text{ remainder } 73$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6551} \\ \underline{632} \\ 231 \\ \underline{158} \\ 73 \leftarrow \text{remainder} \end{array}$$

P₈₄₇ 6553

$$6553 \div 2 = 3276 \text{ remainder } 1$$

$$\begin{array}{r} 3276 \\ 2 \mid 6553 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 15 \\ \underline{14} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6553 \div 3 = 2184 \text{ remainder } 1$$

$$\begin{array}{r} 2184 \\ 3 \mid 6553 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 25 \\ \underline{24} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6553 \div 5 = 1310 \text{ remainder } 3$$

$$\begin{array}{r} 1310 \\ 5 \mid 6553 \\ \underline{5} \\ - \end{array}$$


```

15
15
--
5
5
-
3
0
-
3 ← remainder

```

$$6553 \div 7 = 936 \text{ remainder } 1$$

```

  936
7 | 6553
  63
  --
  25
  21
  --
  43
  42
  --
  1 ← remainder

```

$$6553 \div 11 = 595 \text{ remainder } 8$$

```

  595
11 | 6553
   55
   --
  105
   99
   --
   63
   55
   --
   8 ← remainder

```

$$6553 \div 13 = 504 \text{ remainder } 1$$

```

  504
13 | 6553
   65

```

```

--
5
0
-
53
52
--
1 ← remainder

```

$$6553 \div 17 = 385 \text{ remainder } 8$$

```

      385
17 | 6553
    51
    --
    145
    136
    ---
     93
     85
     --
     8 ← remainder

```

$$6553 \div 19 = 344 \text{ remainder } 17$$

```

      344
19 | 6553
    57
    --
    85
    76
    --
    93
    76
    --
    17 ← remainder

```

$$6553 \div 23 = 284 \text{ remainder } 21$$

```

      284
23 | 6553
    46
    --
    195

```

```

184
---
113
92
--
21 ← remainder

```

$$6553 \div 29 = 225 \text{ remainder } 28$$

```

225
29 | 6553
   58
   --
   75
   58
   --
  173
  145
  ---
   28 ← remainder

```

$$6553 \div 31 = 211 \text{ remainder } 12$$

```

211
31 | 6553
   62
   --
   35
   31
   --
   43
   31
   --
   12 ← remainder

```

$$6553 \div 37 = 177 \text{ remainder } 4$$

```

177
37 | 6553
   37
   --
  285
  259
  ---

```

```

263
259
---
4 ← remainder

```

$$6553 \div 41 = 159 \text{ remainder } 34$$

```

159
41 | 6553
   41
   --
   245
   205
   ---
   403
   369
   ---
   34 ← remainder

```

$$6553 \div 43 = 152 \text{ remainder } 17$$

```

152
43 | 6553
   43
   --
   225
   215
   ---
   103
   86
   --
   17 ← remainder

```

$$6553 \div 47 = 139 \text{ remainder } 20$$

```

139
47 | 6553
   47
   --
   185
   141
   ---
   443
   423

```

20 ← remainder

$$6553 \div 53 = 123 \text{ remainder } 34$$

```
      123
53 | 6553
    53
    --
    125
    106
    ---
    193
    159
    ---
    34 ← remainder
```

$$6553 \div 59 = 111 \text{ remainder } 4$$

```
      111
59 | 6553
    59
    --
    65
    59
    --
    63
    59
    --
    4 ← remainder
```

$$6553 \div 61 = 107 \text{ remainder } 26$$

```
      107
61 | 6553
    61
    --
    45
    0
    -
    453
    427
    ---
    26 ← remainder
```

$$6553 \div 67 = 97 \text{ remainder } 54$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6553} \\ \underline{603} \\ 523 \\ \underline{469} \\ 54 \leftarrow \text{remainder} \end{array}$$

$$6553 \div 71 = 92 \text{ remainder } 21$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6553} \\ \underline{639} \\ 163 \\ \underline{142} \\ 21 \leftarrow \text{remainder} \end{array}$$

$$6553 \div 73 = 89 \text{ remainder } 56$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6553} \\ \underline{584} \\ 713 \\ \underline{657} \\ 56 \leftarrow \text{remainder} \end{array}$$

$$6553 \div 79 = 82 \text{ remainder } 75$$

$$\begin{array}{r} 82 \\ 79 \overline{) 6553} \\ \underline{632} \\ 233 \\ \underline{158} \\ 75 \leftarrow \text{remainder} \end{array}$$

P₈₄₈ 6563

$$6563 \div 2 = 3281 \text{ remainder } 1$$

$$\begin{array}{r} 3281 \\ 2 \mid 6563 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 3 = 2187 \text{ remainder } 2$$

$$\begin{array}{r} 2187 \\ 3 \mid 6563 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 5 = 1312 \text{ remainder } 3$$

$$\begin{array}{r} 1312 \\ 5 \mid 6563 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
6
5
-
13
10
--
3 ← remainder

```

$$6563 \div 7 = 937 \text{ remainder } 4$$

```

  937
7 | 6563
  63
  --
  26
  21
  --
  53
  49
  --
  4 ← remainder

```

$$6563 \div 11 = 596 \text{ remainder } 7$$

```

  596
11 | 6563
   55
   --
  106
   99
   --
   73
   66
   --
   7 ← remainder

```

$$6563 \div 13 = 504 \text{ remainder } 11$$

```

  504
13 | 6563
   65

```



```

--
6
0
-
63
52
--
11 ← remainder

```

$$6563 \div 17 = 386 \text{ remainder } 1$$

```

      386
17 | 6563
    51
    --
    146
    136
    ---
    103
    102
    ---
    1 ← remainder

```

$$6563 \div 19 = 345 \text{ remainder } 8$$

```

      345
19 | 6563
    57
    --
    86
    76
    --
    103
    95
    --
    8 ← remainder

```

$$6563 \div 23 = 285 \text{ remainder } 8$$

```

      285
23 | 6563
    46
    --
    196

```

```

184
---
123
115
---
8 ← remainder

```

$$6563 \div 29 = 226 \text{ remainder } 9$$

```

      226
29 | 6563
    58
    --
     76
     58
     --
     183
     174
     ---
      9 ← remainder

```

$$6563 \div 31 = 211 \text{ remainder } 22$$

```

      211
31 | 6563
    62
    --
     36
     31
     --
     53
     31
     --
     22 ← remainder

```

$$6563 \div 37 = 177 \text{ remainder } 14$$

```

      177
37 | 6563
    37
    --
     286
     259
     ---

```

```

273
259
---
14 ← remainder

```

$$6563 \div 41 = 160 \text{ remainder } 3$$

```

      160
41 | 6563
    41
    --
    246
    246
    ---
     3
     0
     -
     3 ← remainder

```

$$6563 \div 43 = 152 \text{ remainder } 27$$

```

      152
43 | 6563
    43
    --
    226
    215
    ---
    113
    86
    --
    27 ← remainder

```

$$6563 \div 47 = 139 \text{ remainder } 30$$

```

      139
47 | 6563
    47
    --
    186
    141
    ---
    453
    423

```

30 ← remainder

$$6563 \div 53 = 123 \text{ remainder } 44$$

```
      123
53 | 6563
    53
    --
    126
    106
    ---
    203
    159
    ---
    44 ← remainder
```

$$6563 \div 59 = 111 \text{ remainder } 14$$

```
      111
59 | 6563
    59
    --
    66
    59
    --
    73
    59
    --
    14 ← remainder
```

$$6563 \div 61 = 107 \text{ remainder } 36$$

```
      107
61 | 6563
    61
    --
    46
    0
    -
    463
    427
    ---
    36 ← remainder
```

$$6563 \div 67 = 97 \text{ remainder } 64$$

$$\begin{array}{r} 97 \\ 67 \overline{) 6563} \\ \underline{603} \\ 533 \\ \underline{469} \\ 64 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 71 = 92 \text{ remainder } 31$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6563} \\ \underline{639} \\ 173 \\ \underline{142} \\ 31 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 73 = 89 \text{ remainder } 66$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6563} \\ \underline{584} \\ 723 \\ \underline{657} \\ 66 \leftarrow \text{remainder} \end{array}$$

$$6563 \div 79 = 83 \text{ remainder } 6$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6563} \\ \underline{632} \\ 243 \\ \underline{237} \\ 6 \leftarrow \text{remainder} \end{array}$$

P₈₄₉ 6569

$$6569 \div 2 = 3284 \text{ remainder } 1$$

$$\begin{array}{r} 3284 \\ 2 \mid 6569 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 3 = 2189 \text{ remainder } 2$$

$$\begin{array}{r} 2189 \\ 3 \mid 6569 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 26 \\ \underline{24} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 5 = 1313 \text{ remainder } 4$$

$$\begin{array}{r} 1313 \\ 5 \mid 6569 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
6
5
-
19
15
--
4 ← remainder

```

$$6569 \div 7 = 938 \text{ remainder } 3$$

```

  938
7 | 6569
  63
  --
  26
  21
  --
  59
  56
  --
  3 ← remainder

```

$$6569 \div 11 = 597 \text{ remainder } 2$$

```

  597
11 | 6569
   55
   --
  106
   99
   --
   79
   77
   --
   2 ← remainder

```

$$6569 \div 13 = 505 \text{ remainder } 4$$

```

  505
13 | 6569
   65

```

```

--
6
0
-
69
65
--
4 ← remainder

```

$$6569 \div 17 = 386 \text{ remainder } 7$$

```

      386
17 | 6569
    51
    --
    146
    136
    ---
    109
    102
    ---
    7 ← remainder

```

$$6569 \div 19 = 345 \text{ remainder } 14$$

```

      345
19 | 6569
    57
    --
    86
    76
    --
    109
    95
    --
    14 ← remainder

```

$$6569 \div 23 = 285 \text{ remainder } 14$$

```

      285
23 | 6569
    46
    --
    196

```



```

184
---
129
115
---
14 ← remainder

```

$$6569 \div 29 = 226 \text{ remainder } 15$$

```

      226
29 | 6569
    58
    --
     76
     58
     --
     189
     174
     ---
     15 ← remainder

```

$$6569 \div 31 = 211 \text{ remainder } 28$$

```

      211
31 | 6569
    62
    --
     36
     31
     --
     59
     31
     --
     28 ← remainder

```

$$6569 \div 37 = 177 \text{ remainder } 20$$

```

      177
37 | 6569
    37
    --
    286
    259
    ---

```

```

279
259
---
20 ← remainder

```

$$6569 \div 41 = 160 \text{ remainder } 9$$

```

      160
41 | 6569
    41
    --
    246
    246
    ---
      9
      0
      -
      9 ← remainder

```

$$6569 \div 43 = 152 \text{ remainder } 33$$

```

      152
43 | 6569
    43
    --
    226
    215
    ---
    119
    86
    --
    33 ← remainder

```

$$6569 \div 47 = 139 \text{ remainder } 36$$

```

      139
47 | 6569
    47
    --
    186
    141
    ---
    459
    423

```

36 ← remainder

$$6569 \div 53 = 123 \text{ remainder } 50$$

```
    123
53 | 6569
    53
    --
    126
    106
    ---
    209
    159
    ---
    50 ← remainder
```

$$6569 \div 59 = 111 \text{ remainder } 20$$

```
    111
59 | 6569
    59
    --
    66
    59
    --
    79
    59
    --
    20 ← remainder
```

$$6569 \div 61 = 107 \text{ remainder } 42$$

```
    107
61 | 6569
    61
    --
    46
    0
    -
    469
    427
    ---
    42 ← remainder
```

$$6569 \div 67 = 98 \text{ remainder } 3$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6569} \\ \underline{603} \\ 539 \\ \underline{536} \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 71 = 92 \text{ remainder } 37$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6569} \\ \underline{639} \\ 179 \\ \underline{142} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 73 = 89 \text{ remainder } 72$$

$$\begin{array}{r} 89 \\ 73 \overline{) 6569} \\ \underline{584} \\ 729 \\ \underline{657} \\ 72 \leftarrow \text{remainder} \end{array}$$

$$6569 \div 79 = 83 \text{ remainder } 12$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6569} \\ \underline{632} \\ 249 \\ \underline{237} \\ 12 \leftarrow \text{remainder} \end{array}$$

P₈₅₀ 6571

$$6571 \div 2 = 3285 \text{ remainder } 1$$

$$\begin{array}{r} 3285 \\ 2 \mid 6571 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 3 = 2190 \text{ remainder } 1$$

$$\begin{array}{r} 2190 \\ 3 \mid 6571 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 27 \\ \underline{27} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 5 = 1314 \text{ remainder } 1$$

$$\begin{array}{r} 1314 \\ 5 \mid 6571 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
7
5
-
21
20
--
1 ← remainder

```

$$6571 \div 7 = 938 \text{ remainder } 5$$

```

  938
7 | 6571
  63
  --
  27
  21
  --
  61
  56
  --
  5 ← remainder

```

$$6571 \div 11 = 597 \text{ remainder } 4$$

```

  597
11 | 6571
   55
   --
  107
   99
   --
   81
   77
   --
   4 ← remainder

```

$$6571 \div 13 = 505 \text{ remainder } 6$$

```

  505
13 | 6571
   65

```

```

--
7
0
-
71
65
--
6 ← remainder

```

$$6571 \div 17 = 386 \text{ remainder } 9$$

```

386
17 | 6571
  51
  --
  147
  136
  ---
  111
  102
  ---
  9 ← remainder

```

$$6571 \div 19 = 345 \text{ remainder } 16$$

```

345
19 | 6571
  57
  --
  87
  76
  --
  111
  95
  --
  16 ← remainder

```

$$6571 \div 23 = 285 \text{ remainder } 16$$

```

285
23 | 6571
  46
  --
  197

```

```

184
---
131
115
---
16 ← remainder

```

$$6571 \div 29 = 226 \text{ remainder } 17$$

```

      226
29 | 6571
    58
    --
     77
     58
     --
     191
     174
     ---
      17 ← remainder

```

$$6571 \div 31 = 211 \text{ remainder } 30$$

```

      211
31 | 6571
    62
    --
     37
     31
     --
     61
     31
     --
      30 ← remainder

```

$$6571 \div 37 = 177 \text{ remainder } 22$$

```

      177
37 | 6571
    37
    --
     287
     259
     ---

```



```

281
259
---
22 ← remainder

```

$$6571 \div 41 = 160 \text{ remainder } 11$$

```

      160
41 | 6571
    41
    --
    247
    246
    ---
     11
     0
     -
     11 ← remainder

```

$$6571 \div 43 = 152 \text{ remainder } 35$$

```

      152
43 | 6571
    43
    --
    227
    215
    ---
     121
     86
     --
     35 ← remainder

```

$$6571 \div 47 = 139 \text{ remainder } 38$$

```

      139
47 | 6571
    47
    --
    187
    141
    ---
     461
     423

```

38 ← remainder

$$6571 \div 53 = 123 \text{ remainder } 52$$

```
    123
53 | 6571
    53
    --
    127
    106
    ---
    211
    159
    ---
    52 ← remainder
```

$$6571 \div 59 = 111 \text{ remainder } 22$$

```
    111
59 | 6571
    59
    --
    67
    59
    --
    81
    59
    --
    22 ← remainder
```

$$6571 \div 61 = 107 \text{ remainder } 44$$

```
    107
61 | 6571
    61
    --
    47
    0
    -
    471
    427
    ---
    44 ← remainder
```

$$6571 \div 67 = 98 \text{ remainder } 5$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6571} \\ \underline{603} \\ 541 \\ \underline{536} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 71 = 92 \text{ remainder } 39$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6571} \\ \underline{639} \\ 181 \\ \underline{142} \\ 39 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 73 = 90 \text{ remainder } 1$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6571} \\ \underline{657} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6571 \div 79 = 83 \text{ remainder } 14$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6571} \\ \underline{632} \\ 251 \\ \underline{237} \\ 14 \leftarrow \text{remainder} \end{array}$$

P₈₅₁ 6577

$$6577 \div 2 = 3288 \text{ remainder } 1$$

$$\begin{array}{r} 3288 \\ 2 \mid 6577 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6577 \div 3 = 2192 \text{ remainder } 1$$

$$\begin{array}{r} 2192 \\ 3 \mid 6577 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 27 \\ \underline{27} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6577 \div 5 = 1315 \text{ remainder } 2$$

$$\begin{array}{r} 1315 \\ 5 \mid 6577 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
7
5
-
27
25
--
2 ← remainder

```

$$6577 \div 7 = 939 \text{ remainder } 4$$

```

  939
7 | 6577
  63
  --
  27
  21
  --
  67
  63
  --
  4 ← remainder

```

$$6577 \div 11 = 597 \text{ remainder } 10$$

```

  597
11 | 6577
   55
   --
  107
   99
   --
   87
   77
   --
  10 ← remainder

```

$$6577 \div 13 = 505 \text{ remainder } 12$$

```

  505
13 | 6577
   65

```

```

--
7
0
-
77
65
--
12 ← remainder

```

$$6577 \div 17 = 386 \text{ remainder } 15$$

```

      386
17 | 6577
    51
    --
    147
    136
    ---
    117
    102
    ---
    15 ← remainder

```

$$6577 \div 19 = 346 \text{ remainder } 3$$

```

      346
19 | 6577
    57
    --
    87
    76
    --
    117
    114
    ---
    3 ← remainder

```

$$6577 \div 23 = 285 \text{ remainder } 22$$

```

      285
23 | 6577
    46
    --
    197

```

```

184
---
137
115
---
22 ← remainder

```

$$6577 \div 29 = 226 \text{ remainder } 23$$

```

      226
29 | 6577
    58
    --
     77
     58
     --
     197
     174
     ---
      23 ← remainder

```

$$6577 \div 31 = 212 \text{ remainder } 5$$

```

      212
31 | 6577
    62
    --
     37
     31
     --
     67
     62
     --
      5 ← remainder

```

$$6577 \div 37 = 177 \text{ remainder } 28$$

```

      177
37 | 6577
    37
    --
     287
     259
     ---

```

```

287
259
---
28 ← remainder

```

$$6577 \div 41 = 160 \text{ remainder } 17$$

```

      160
41 | 6577
    41
    --
    247
    246
    ---
     17
     0
     -
     17 ← remainder

```

$$6577 \div 43 = 152 \text{ remainder } 41$$

```

      152
43 | 6577
    43
    --
    227
    215
    ---
     127
     86
     --
     41 ← remainder

```

$$6577 \div 47 = 139 \text{ remainder } 44$$

```

      139
47 | 6577
    47
    --
    187
    141
    ---
    467
    423

```

44 ← remainder

$$6577 \div 53 = 124 \text{ remainder } 5$$

```
    124
53 | 6577
    53
    --
    127
    106
    ---
    217
    212
    ---
    5 ← remainder
```

$$6577 \div 59 = 111 \text{ remainder } 28$$

```
    111
59 | 6577
    59
    --
    67
    59
    --
    87
    59
    --
    28 ← remainder
```

$$6577 \div 61 = 107 \text{ remainder } 50$$

```
    107
61 | 6577
    61
    --
    47
    0
    -
    477
    427
    ---
    50 ← remainder
```

$$6577 \div 67 = 98 \text{ remainder } 11$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6577} \\ \underline{603} \\ 547 \\ \underline{536} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6577 \div 71 = 92 \text{ remainder } 45$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6577} \\ \underline{639} \\ 187 \\ \underline{142} \\ 45 \leftarrow \text{remainder} \end{array}$$

$$6577 \div 73 = 90 \text{ remainder } 7$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6577} \\ \underline{657} \\ 7 \\ 0 \\ - \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6577 \div 79 = 83 \text{ remainder } 20$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6577} \\ \underline{632} \\ 257 \\ \underline{237} \\ 20 \leftarrow \text{remainder} \end{array}$$

P₈₅₂ 6581

$$6581 \div 2 = 3290 \text{ remainder } 1$$

$$\begin{array}{r} 3290 \\ 2 \mid 6581 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6581 \div 3 = 2193 \text{ remainder } 2$$

$$\begin{array}{r} 2193 \\ 3 \mid 6581 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 28 \\ \underline{27} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6581 \div 5 = 1316 \text{ remainder } 1$$

$$\begin{array}{r} 1316 \\ 5 \mid 6581 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
8
5
-
31
30
--
1 ← remainder

```

$$6581 \div 7 = 940 \text{ remainder } 1$$

```

  940
7 | 6581
  63
  --
  28
  28
  --
   1
   0
   -
   1 ← remainder

```

$$6581 \div 11 = 598 \text{ remainder } 3$$

```

  598
11 | 6581
   55
   --
  108
   99
   --
   91
   88
   --
   3 ← remainder

```

$$6581 \div 13 = 506 \text{ remainder } 3$$

```

  506
13 | 6581
   65

```

```

--
8
0
-
81
78
--
3 ← remainder

```

$$6581 \div 17 = 387 \text{ remainder } 2$$

```

387
17 | 6581
   51
   --
   148
   136
   ---
   121
   119
   ---
   2 ← remainder

```

$$6581 \div 19 = 346 \text{ remainder } 7$$

```

346
19 | 6581
   57
   --
   88
   76
   --
   121
   114
   ---
   7 ← remainder

```

$$6581 \div 23 = 286 \text{ remainder } 3$$

```

286
23 | 6581
   46
   --
   198

```

```

184
---
141
138
---
3 ← remainder

```

$$6581 \div 29 = 226 \text{ remainder } 27$$

```

      226
29 | 6581
    58
    --
     78
     58
     --
    201
    174
    ---
    27 ← remainder

```

$$6581 \div 31 = 212 \text{ remainder } 9$$

```

      212
31 | 6581
    62
    --
     38
     31
     --
     71
     62
     --
     9 ← remainder

```

$$6581 \div 37 = 177 \text{ remainder } 32$$

```

      177
37 | 6581
    37
    --
    288
    259
    ---

```

```

291
259
---
32 ← remainder

```

$$6581 \div 41 = 160 \text{ remainder } 21$$

```

      160
41 | 6581
    41
    --
    248
    246
    ---
     21
     0
     -
     21 ← remainder

```

$$6581 \div 43 = 153 \text{ remainder } 2$$

```

      153
43 | 6581
    43
    --
    228
    215
    ---
     131
     129
     ---
      2 ← remainder

```

$$6581 \div 47 = 140 \text{ remainder } 1$$

```

      140
47 | 6581
    47
    --
    188
    188
    ---
     1
     0

```

-
1 ← remainder

$$6581 \div 53 = 124 \text{ remainder } 9$$

```
      124
53 | 6581
    53
    --
    128
    106
    ---
    221
    212
    ---
    9 ← remainder
```

$$6581 \div 59 = 111 \text{ remainder } 32$$

```
      111
59 | 6581
    59
    --
    68
    59
    --
    91
    59
    --
    32 ← remainder
```

$$6581 \div 61 = 107 \text{ remainder } 54$$

```
      107
61 | 6581
    61
    --
    48
    0
    -
    481
    427
    ---
    54 ← remainder
```


$$6581 \div 67 = 98 \text{ remainder } 15$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6581} \\ \underline{603} \\ 551 \\ \underline{536} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6581 \div 71 = 92 \text{ remainder } 49$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6581} \\ \underline{639} \\ 191 \\ \underline{142} \\ 49 \leftarrow \text{remainder} \end{array}$$

$$6581 \div 73 = 90 \text{ remainder } 11$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6581} \\ \underline{657} \\ 11 \\ \underline{0} \\ 11 \leftarrow \text{remainder} \end{array}$$

$$6581 \div 79 = 83 \text{ remainder } 24$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6581} \\ \underline{632} \\ 261 \\ \underline{237} \\ 24 \leftarrow \text{remainder} \end{array}$$

P₈₅₃ 6599

$$6599 \div 2 = 3299 \text{ remainder } 1$$

$$\begin{array}{r} 3299 \\ 2 \mid 6599 \\ \underline{6} \\ - \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 3 = 2199 \text{ remainder } 2$$

$$\begin{array}{r} 2199 \\ 3 \mid 6599 \\ \underline{6} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 5 = 1319 \text{ remainder } 4$$

$$\begin{array}{r} 1319 \\ 5 \mid 6599 \\ \underline{5} \\ - \end{array}$$

```

15
15
--
9
5
-
49
45
--
4 ← remainder

```

$$6599 \div 7 = 942 \text{ remainder } 5$$

```

  942
7 | 6599
  63
  --
  29
  28
  --
  19
  14
  --
  5 ← remainder

```

$$6599 \div 11 = 599 \text{ remainder } 10$$

```

  599
11 | 6599
   55
   --
  109
   99
   --
  109
   99
   --
  10 ← remainder

```

$$6599 \div 13 = 507 \text{ remainder } 8$$

```

  507
13 | 6599
   65

```

```

--
9
0
-
99
91
--
8 ← remainder

```

$$6599 \div 17 = 388 \text{ remainder } 3$$

```

      388
17 | 6599
    51
    --
    149
    136
    ---
    139
    136
    ---
    3 ← remainder

```

$$6599 \div 19 = 347 \text{ remainder } 6$$

```

      347
19 | 6599
    57
    --
    89
    76
    --
    139
    133
    ---
    6 ← remainder

```

$$6599 \div 23 = 286 \text{ remainder } 21$$

```

      286
23 | 6599
    46
    --
    199

```

```

184
---
159
138
---
21 ← remainder

```

$$6599 \div 29 = 227 \text{ remainder } 16$$

```

      227
29 | 6599
    58
    --
     79
     58
     --
     219
     203
     ---
     16 ← remainder

```

$$6599 \div 31 = 212 \text{ remainder } 27$$

```

      212
31 | 6599
    62
    --
     39
     31
     --
     89
     62
     --
     27 ← remainder

```

$$6599 \div 37 = 178 \text{ remainder } 13$$

```

      178
37 | 6599
    37
    --
    289
    259
    ---

```

```

309
296
---
13 ← remainder

```

$$6599 \div 41 = 160 \text{ remainder } 39$$

```

160
41 | 6599
   41
   --
   249
   246
   ---
    39
    0
    -
    39 ← remainder

```

$$6599 \div 43 = 153 \text{ remainder } 20$$

```

153
43 | 6599
   43
   --
   229
   215
   ---
    149
    129
    ---
     20 ← remainder

```

$$6599 \div 47 = 140 \text{ remainder } 19$$

```

140
47 | 6599
   47
   --
   189
   188
   ---
    19
    0

```

-
19 ← remainder

$$6599 \div 53 = 124 \text{ remainder } 27$$

```
      124
53 | 6599
    53
    --
    129
    106
    ---
    239
    212
    ---
    27 ← remainder
```

$$6599 \div 59 = 111 \text{ remainder } 50$$

```
      111
59 | 6599
    59
    --
    69
    59
    --
    109
    59
    --
    50 ← remainder
```

$$6599 \div 61 = 108 \text{ remainder } 11$$

```
      108
61 | 6599
    61
    --
    49
    0
    -
    499
    488
    ---
    11 ← remainder
```

$$6599 \div 67 = 98 \text{ remainder } 33$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6599} \\ \underline{603} \\ 569 \\ \underline{536} \\ 33 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 71 = 92 \text{ remainder } 67$$

$$\begin{array}{r} 92 \\ 71 \overline{) 6599} \\ \underline{639} \\ 209 \\ \underline{142} \\ 67 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 73 = 90 \text{ remainder } 29$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6599} \\ \underline{657} \\ 29 \\ \underline{0} \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6599 \div 79 = 83 \text{ remainder } 42$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6599} \\ \underline{632} \\ 279 \\ \underline{237} \\ 42 \leftarrow \text{remainder} \end{array}$$

P₈₅₄ 6607

$$6607 \div 2 = 3303 \text{ remainder } 1$$

$$\begin{array}{r} 3303 \\ 2 \mid 6607 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6607 \div 3 = 2202 \text{ remainder } 1$$

$$\begin{array}{r} 2202 \\ 3 \mid 6607 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6607 \div 5 = 1321 \text{ remainder } 2$$

$$\begin{array}{r} 1321 \\ 5 \mid 6607 \\ \underline{5} \\ - \end{array}$$

```

16
15
--
10
10
--
7
5
-
2 ← remainder

```

$$6607 \div 7 = 943 \text{ remainder } 6$$

```

  943
7 | 6607
  63
  --
   30
   28
   --
   27
   21
   --
    6 ← remainder

```

$$6607 \div 11 = 600 \text{ remainder } 7$$

```

  600
11 | 6607
   66
   --
    0
    0
    -
    7
    0
    -
    7 ← remainder

```

$$6607 \div 13 = 508 \text{ remainder } 3$$

```

  508
13 | 6607
   65

```

```

--
10
0
-
107
104
---
3 ← remainder

```

$$6607 \div 17 = 388 \text{ remainder } 11$$

```

      388
17 | 6607
    51
    --
    150
    136
    ---
    147
    136
    ---
    11 ← remainder

```

$$6607 \div 19 = 347 \text{ remainder } 14$$

```

      347
19 | 6607
    57
    --
    90
    76
    --
    147
    133
    ---
    14 ← remainder

```

$$6607 \div 23 = 287 \text{ remainder } 6$$

```

      287
23 | 6607
    46
    --
    200

```

```

184
---
167
161
---
6 ← remainder

```

$$6607 \div 29 = 227 \text{ remainder } 24$$

```

      227
29 | 6607
    58
    --
     80
     58
     --
     227
     203
     ---
      24 ← remainder

```

$$6607 \div 31 = 213 \text{ remainder } 4$$

```

      213
31 | 6607
    62
    --
     40
     31
     --
     97
     93
     --
      4 ← remainder

```

$$6607 \div 37 = 178 \text{ remainder } 21$$

```

      178
37 | 6607
    37
    --
     290
     259
     ---

```

```

317
296
---
21 ← remainder

```

$$6607 \div 41 = 161 \text{ remainder } 6$$

```

      161
41 | 6607
    41
    --
    250
    246
    ---
     47
     41
     --
      6 ← remainder

```

$$6607 \div 43 = 153 \text{ remainder } 28$$

```

      153
43 | 6607
    43
    --
    230
    215
    ---
    157
    129
    ---
     28 ← remainder

```

$$6607 \div 47 = 140 \text{ remainder } 27$$

```

      140
47 | 6607
    47
    --
    190
    188
    ---
     27
     0

```

-
27 ← remainder

$$6607 \div 53 = 124 \text{ remainder } 35$$

```
      124
53 | 6607
    53
    --
    130
    106
    ---
    247
    212
    ---
    35 ← remainder
```

$$6607 \div 59 = 111 \text{ remainder } 58$$

```
      111
59 | 6607
    59
    --
    70
    59
    --
    117
    59
    --
    58 ← remainder
```

$$6607 \div 61 = 108 \text{ remainder } 19$$

```
      108
61 | 6607
    61
    --
    50
    0
    -
    507
    488
    ---
    19 ← remainder
```

$$6607 \div 67 = 98 \text{ remainder } 41$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6607} \\ \underline{603} \\ 577 \\ \underline{536} \\ 41 \leftarrow \text{remainder} \end{array}$$

$$6607 \div 71 = 93 \text{ remainder } 4$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6607} \\ \underline{639} \\ 217 \\ \underline{213} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6607 \div 73 = 90 \text{ remainder } 37$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6607} \\ \underline{657} \\ 37 \\ \underline{0} \\ 37 \leftarrow \text{remainder} \end{array}$$

$$6607 \div 79 = 83 \text{ remainder } 50$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6607} \\ \underline{632} \\ 287 \\ \underline{237} \\ 50 \leftarrow \text{remainder} \end{array}$$

P₈₅₅ 6619

$$6619 \div 2 = 3309 \text{ remainder } 1$$

$$\begin{array}{r} 3309 \\ 2 \mid 6619 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6619 \div 3 = 2206 \text{ remainder } 1$$

$$\begin{array}{r} 2206 \\ 3 \mid 6619 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6619 \div 5 = 1323 \text{ remainder } 4$$

$$\begin{array}{r} 1323 \\ 5 \mid 6619 \\ \underline{5} \\ - \end{array}$$


```

16
15
--
11
10
--
19
15
--
4 ← remainder

```

$$6619 \div 7 = 945 \text{ remainder } 4$$

```

  945
7 | 6619
  63
  --
   31
   28
   --
   39
   35
   --
   4 ← remainder

```

$$6619 \div 11 = 601 \text{ remainder } 8$$

```

  601
11 | 6619
   66
   --
    1
    0
    -
   19
   11
   --
   8 ← remainder

```

$$6619 \div 13 = 509 \text{ remainder } 2$$

```

  509
13 | 6619
   65

```

```

--
11
0
-
119
117
---
2 ← remainder

```

$$6619 \div 17 = 389 \text{ remainder } 6$$

```

      389
17 | 6619
    51
    --
    151
    136
    ---
    159
    153
    ---
    6 ← remainder

```

$$6619 \div 19 = 348 \text{ remainder } 7$$

```

      348
19 | 6619
    57
    --
    91
    76
    --
    159
    152
    ---
    7 ← remainder

```

$$6619 \div 23 = 287 \text{ remainder } 18$$

```

      287
23 | 6619
    46
    --
    201

```

```

184
---
179
161
---
18 ← remainder

```

$$6619 \div 29 = 228 \text{ remainder } 7$$

```

      228
29 | 6619
    58
    --
     81
     58
     --
    239
    232
    ---
     7 ← remainder

```

$$6619 \div 31 = 213 \text{ remainder } 16$$

```

      213
31 | 6619
    62
    --
    41
    31
    --
    109
    93
    --
    16 ← remainder

```

$$6619 \div 37 = 178 \text{ remainder } 33$$

```

      178
37 | 6619
    37
    --
    291
    259
    ---

```

```

329
296
---
33 ← remainder

```

$$6619 \div 41 = 161 \text{ remainder } 18$$

```

161
41 | 6619
   41
   --
   251
   246
   ---
    59
    41
    --
    18 ← remainder

```

$$6619 \div 43 = 153 \text{ remainder } 40$$

```

153
43 | 6619
   43
   --
   231
   215
   ---
   169
   129
   ---
    40 ← remainder

```

$$6619 \div 47 = 140 \text{ remainder } 39$$

```

140
47 | 6619
   47
   --
   191
   188
   ---
    39
    0

```

-
39 ← remainder

$$6619 \div 53 = 124 \text{ remainder } 47$$

```
      124
53 | 6619
    53
    --
    131
    106
    ---
    259
    212
    ---
    47 ← remainder
```

$$6619 \div 59 = 112 \text{ remainder } 11$$

```
      112
59 | 6619
    59
    --
    71
    59
    --
    129
    118
    ---
    11 ← remainder
```

$$6619 \div 61 = 108 \text{ remainder } 31$$

```
      108
61 | 6619
    61
    --
    51
    0
    -
    519
    488
    ---
    31 ← remainder
```

$$6619 \div 67 = 98 \text{ remainder } 53$$

$$\begin{array}{r} 98 \\ 67 \overline{) 6619} \\ \underline{603} \\ 589 \\ \underline{536} \\ 53 \leftarrow \text{remainder} \end{array}$$

$$6619 \div 71 = 93 \text{ remainder } 16$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6619} \\ \underline{639} \\ 229 \\ \underline{213} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6619 \div 73 = 90 \text{ remainder } 49$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6619} \\ \underline{657} \\ 49 \\ \underline{0} \\ 49 \leftarrow \text{remainder} \end{array}$$

$$6619 \div 79 = 83 \text{ remainder } 62$$

$$\begin{array}{r} 83 \\ 79 \overline{) 6619} \\ \underline{632} \\ 299 \\ \underline{237} \\ 62 \leftarrow \text{remainder} \end{array}$$

P₈₅₆ 6637

$$6637 \div 2 = 3318 \text{ remainder } 1$$

$$\begin{array}{r} 3318 \\ 2 \mid 6637 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 3 = 2212 \text{ remainder } 1$$

$$\begin{array}{r} 2212 \\ 3 \mid 6637 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 5 = 1327 \text{ remainder } 2$$

$$\begin{array}{r} 1327 \\ 5 \mid 6637 \\ \underline{5} \\ - \end{array}$$

```

16
15
--
13
10
--
37
35
--
2 ← remainder

```

$$6637 \div 7 = 948 \text{ remainder } 1$$

```

  948
7 | 6637
  63
  --
   33
   28
   --
   57
   56
   --
   1 ← remainder

```

$$6637 \div 11 = 603 \text{ remainder } 4$$

```

  603
11 | 6637
   66
   --
    3
    0
    -
    37
    33
    --
    4 ← remainder

```

$$6637 \div 13 = 510 \text{ remainder } 7$$

```

  510
13 | 6637
   65

```



```

--
13
13
--
7
0
-
7 ← remainder

```

$$6637 \div 17 = 390 \text{ remainder } 7$$

```

390
17 | 6637
   51
   --
   153
   153
   ---
    7
    0
    -
    7 ← remainder

```

$$6637 \div 19 = 349 \text{ remainder } 6$$

```

349
19 | 6637
   57
   --
   93
   76
   --
  177
  171
  ---
   6 ← remainder

```

$$6637 \div 23 = 288 \text{ remainder } 13$$

```

288
23 | 6637
   46
   --
  203

```

```

184
---
197
184
---
13 ← remainder

```

$$6637 \div 29 = 228 \text{ remainder } 25$$

```

      228
29 | 6637
    58
    --
     83
     58
     --
    257
    232
    ---
    25 ← remainder

```

$$6637 \div 31 = 214 \text{ remainder } 3$$

```

      214
31 | 6637
    62
    --
     43
     31
     --
    127
    124
    ---
     3 ← remainder

```

$$6637 \div 37 = 179 \text{ remainder } 14$$

```

      179
37 | 6637
    37
    --
    293
    259
    ---

```

```

347
333
---
14 ← remainder

```

$$6637 \div 41 = 161 \text{ remainder } 36$$

```

      161
41 | 6637
    41
    --
    253
    246
    ---
     77
     41
     --
     36 ← remainder

```

$$6637 \div 43 = 154 \text{ remainder } 15$$

```

      154
43 | 6637
    43
    --
    233
    215
    ---
    187
    172
    ---
     15 ← remainder

```

$$6637 \div 47 = 141 \text{ remainder } 10$$

```

      141
47 | 6637
    47
    --
    193
    188
    ---
     57
     47

```

--
10 ← remainder

$$6637 \div 53 = 125 \text{ remainder } 12$$

125
53 | 6637
53
--
133
106

277
265

12 ← remainder

$$6637 \div 59 = 112 \text{ remainder } 29$$

112
59 | 6637
59
--
73
59
--
147
118

29 ← remainder

$$6637 \div 61 = 108 \text{ remainder } 49$$

108
61 | 6637
61
--
53
0
-
537
488

49 ← remainder

$$6637 \div 67 = 99 \text{ remainder } 4$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6637} \\ \underline{603} \\ 607 \\ \underline{603} \\ 4 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 71 = 93 \text{ remainder } 34$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6637} \\ \underline{639} \\ 247 \\ \underline{213} \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 73 = 90 \text{ remainder } 67$$

$$\begin{array}{r} 90 \\ 73 \overline{) 6637} \\ \underline{657} \\ 67 \\ \underline{0} \\ 67 \leftarrow \text{remainder} \end{array}$$

$$6637 \div 79 = 84 \text{ remainder } 1$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6637} \\ \underline{632} \\ 317 \\ \underline{316} \\ 1 \leftarrow \text{remainder} \end{array}$$

P₈₅₇ 6653

$$6653 \div 2 = 3326 \text{ remainder } 1$$

$$\begin{array}{r} 3326 \\ 2 \mid 6653 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 3 = 2217 \text{ remainder } 2$$

$$\begin{array}{r} 2217 \\ 3 \mid 6653 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 5 = 1330 \text{ remainder } 3$$

$$\begin{array}{r} 1330 \\ 5 \mid 6653 \\ \underline{5} \\ - \end{array}$$

```

16
15
--
15
15
--
3
0
-
3 ← remainder

```

$$6653 \div 7 = 950 \text{ remainder } 3$$

```

  950
7 | 6653
  63
  --
   35
   35
   --
    3
    0
    -
    3 ← remainder

```

$$6653 \div 11 = 604 \text{ remainder } 9$$

```

  604
11 | 6653
   66
   --
    5
    0
    -
   53
   44
   --
    9 ← remainder

```

$$6653 \div 13 = 511 \text{ remainder } 10$$

```

  511
13 | 6653
   65

```

```

--
15
13
--
23
13
--
10 ← remainder

```

$$6653 \div 17 = 391 \text{ remainder } 6$$

```

      391
17 | 6653
    51
    --
    155
    153
    ---
     23
     17
     --
     6 ← remainder

```

$$6653 \div 19 = 350 \text{ remainder } 3$$

```

      350
19 | 6653
    57
    --
    95
    95
    --
     3
     0
     -
     3 ← remainder

```

$$6653 \div 23 = 289 \text{ remainder } 6$$

```

      289
23 | 6653
    46
    --
    205

```



```

184
---
213
207
---
6 ← remainder

```

$$6653 \div 29 = 229 \text{ remainder } 12$$

```

      229
29 | 6653
    58
    --
     85
     58
     --
     273
     261
     ---
     12 ← remainder

```

$$6653 \div 31 = 214 \text{ remainder } 19$$

```

      214
31 | 6653
    62
    --
     45
     31
     --
     143
     124
     ---
     19 ← remainder

```

$$6653 \div 37 = 179 \text{ remainder } 30$$

```

      179
37 | 6653
    37
    --
     295
     259
     ---

```

```

363
333
---
30 ← remainder

```

$$6653 \div 41 = 162 \text{ remainder } 11$$

```

      162
41 | 6653
    41
    --
    255
    246
    ---
     93
     82
     --
     11 ← remainder

```

$$6653 \div 43 = 154 \text{ remainder } 31$$

```

      154
43 | 6653
    43
    --
    235
    215
    ---
    203
    172
    ---
     31 ← remainder

```

$$6653 \div 47 = 141 \text{ remainder } 26$$

```

      141
47 | 6653
    47
    --
    195
    188
    ---
     73
     47

```

--
26 ← remainder

$$6653 \div 53 = 125 \text{ remainder } 28$$

```
      125
53 | 6653
    53
    --
    135
    106
    ---
    293
    265
    ---
    28 ← remainder
```

$$6653 \div 59 = 112 \text{ remainder } 45$$

```
      112
59 | 6653
    59
    --
    75
    59
    --
    163
    118
    ---
    45 ← remainder
```

$$6653 \div 61 = 109 \text{ remainder } 4$$

```
      109
61 | 6653
    61
    --
    55
    0
    -
    553
    549
    ---
    4 ← remainder
```

$$6653 \div 67 = 99 \text{ remainder } 20$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6653} \\ \underline{603} \\ 623 \\ \underline{603} \\ 20 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 71 = 93 \text{ remainder } 50$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6653} \\ \underline{639} \\ 263 \\ \underline{213} \\ 50 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 73 = 91 \text{ remainder } 10$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6653} \\ \underline{657} \\ 83 \\ \underline{73} \\ 10 \leftarrow \text{remainder} \end{array}$$

$$6653 \div 79 = 84 \text{ remainder } 17$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6653} \\ \underline{632} \\ 333 \\ \underline{316} \\ 17 \leftarrow \text{remainder} \end{array}$$

P₈₅₈ 6659

$$6659 \div 2 = 3329 \text{ remainder } 1$$

$$\begin{array}{r} 3329 \\ 2 \mid 6659 \\ \underline{6} \\ - \\ \underline{6} \\ \underline{6} \\ - \\ \underline{5} \\ \underline{4} \\ - \\ \underline{19} \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 3 = 2219 \text{ remainder } 2$$

$$\begin{array}{r} 2219 \\ 3 \mid 6659 \\ \underline{6} \\ - \\ \underline{6} \\ \underline{6} \\ - \\ \underline{5} \\ \underline{3} \\ - \\ \underline{29} \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 5 = 1331 \text{ remainder } 4$$

$$\begin{array}{r} 1331 \\ 5 \mid 6659 \\ \underline{5} \\ - \end{array}$$

```

16
15
--
15
15
--
9
5
-
4 ← remainder

```

$$6659 \div 7 = 951 \text{ remainder } 2$$

```

  951
7 | 6659
  63
  --
   35
   35
   --
    9
    7
    -
    2 ← remainder

```

$$6659 \div 11 = 605 \text{ remainder } 4$$

```

  605
11 | 6659
   66
   --
    5
    0
    -
    59
    55
    --
     4 ← remainder

```

$$6659 \div 13 = 512 \text{ remainder } 3$$

```

  512
13 | 6659
   65

```

```

--
15
13
--
29
26
--
3 ← remainder

```

$$6659 \div 17 = 391 \text{ remainder } 12$$

```

      391
17 | 6659
    51
    --
    155
    153
    ---
     29
     17
     --
    12 ← remainder

```

$$6659 \div 19 = 350 \text{ remainder } 9$$

```

      350
19 | 6659
    57
    --
    95
    95
    --
     9
     0
     -
     9 ← remainder

```

$$6659 \div 23 = 289 \text{ remainder } 12$$

```

      289
23 | 6659
    46
    --
    205

```

```

184
---
219
207
---
12 ← remainder

```

$$6659 \div 29 = 229 \text{ remainder } 18$$

```

      229
29 | 6659
    58
    --
     85
     58
     --
     279
     261
     ---
      18 ← remainder

```

$$6659 \div 31 = 214 \text{ remainder } 25$$

```

      214
31 | 6659
    62
    --
     45
     31
     --
     149
     124
     ---
      25 ← remainder

```

$$6659 \div 37 = 179 \text{ remainder } 36$$

```

      179
37 | 6659
    37
    --
     295
     259
     ---

```



```

369
333
---
36 ← remainder

```

$$6659 \div 41 = 162 \text{ remainder } 17$$

```

      162
41 | 6659
    41
    --
    255
    246
    ---
     99
     82
     --
     17 ← remainder

```

$$6659 \div 43 = 154 \text{ remainder } 37$$

```

      154
43 | 6659
    43
    --
    235
    215
    ---
    209
    172
    ---
     37 ← remainder

```

$$6659 \div 47 = 141 \text{ remainder } 32$$

```

      141
47 | 6659
    47
    --
    195
    188
    ---
     79
     47

```

--
32 ← remainder

$$6659 \div 53 = 125 \text{ remainder } 34$$

125
53 | 6659
53
--
135
106

299
265

34 ← remainder

$$6659 \div 59 = 112 \text{ remainder } 51$$

112
59 | 6659
59
--
75
59
--
169
118

51 ← remainder

$$6659 \div 61 = 109 \text{ remainder } 10$$

109
61 | 6659
61
--
55
0
-
559
549

10 ← remainder

$$6659 \div 67 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6659} \\ \underline{603} \\ 629 \\ \underline{603} \\ 26 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 71 = 93 \text{ remainder } 56$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6659} \\ \underline{639} \\ 269 \\ \underline{213} \\ 56 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 73 = 91 \text{ remainder } 16$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6659} \\ \underline{657} \\ 89 \\ \underline{73} \\ 16 \leftarrow \text{remainder} \end{array}$$

$$6659 \div 79 = 84 \text{ remainder } 23$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6659} \\ \underline{632} \\ 339 \\ \underline{316} \\ 23 \leftarrow \text{remainder} \end{array}$$

P₈₅₉ 6661

$$6661 \div 2 = 3330 \text{ remainder } 1$$

$$\begin{array}{r} 3330 \\ 2 \mid 6661 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6661 \div 3 = 2220 \text{ remainder } 1$$

$$\begin{array}{r} 2220 \\ 3 \mid 6661 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6661 \div 5 = 1332 \text{ remainder } 1$$

$$\begin{array}{r} 1332 \\ 5 \mid 6661 \\ \underline{5} \\ - \end{array}$$

```

16
15
--
16
15
--
11
10
--
1 ← remainder

```

$$6661 \div 7 = 951 \text{ remainder } 4$$

```

  951
7 | 6661
  63
  --
   36
   35
   --
   11
   7
   -
   4 ← remainder

```

$$6661 \div 11 = 605 \text{ remainder } 6$$

```

  605
11 | 6661
   66
   --
    6
    0
    -
   61
   55
   --
    6 ← remainder

```

$$6661 \div 13 = 512 \text{ remainder } 5$$

```

  512
13 | 6661
   65

```

```

--
16
13
--
31
26
--
5 ← remainder

```

$$6661 \div 17 = 391 \text{ remainder } 14$$

```

      391
17 | 6661
    51
    --
    156
    153
    ---
     31
     17
     --
    14 ← remainder

```

$$6661 \div 19 = 350 \text{ remainder } 11$$

```

      350
19 | 6661
    57
    --
    96
    95
    --
    11
    0
    -
    11 ← remainder

```

$$6661 \div 23 = 289 \text{ remainder } 14$$

```

      289
23 | 6661
    46
    --
    206

```

```

184
---
221
207
---
14 ← remainder

```

$$6661 \div 29 = 229 \text{ remainder } 20$$

```

      229
29 | 6661
    58
    --
     86
     58
     --
     281
     261
     ---
      20 ← remainder

```

$$6661 \div 31 = 214 \text{ remainder } 27$$

```

      214
31 | 6661
    62
    --
     46
     31
     --
     151
     124
     ---
      27 ← remainder

```

$$6661 \div 37 = 180 \text{ remainder } 1$$

```

      180
37 | 6661
    37
    --
     296
     296
     ---

```

```

1
0
-
1 ← remainder

```

$$6661 \div 41 = 162 \text{ remainder } 19$$

```

      162
41 | 6661
    41
    --
    256
    246
    ---
    101
    82
    --
    19 ← remainder

```

$$6661 \div 43 = 154 \text{ remainder } 39$$

```

      154
43 | 6661
    43
    --
    236
    215
    ---
    211
    172
    ---
    39 ← remainder

```

$$6661 \div 47 = 141 \text{ remainder } 34$$

```

      141
47 | 6661
    47
    --
    196
    188
    ---
    81
    47

```


--
34 ← remainder

$$6661 \div 53 = 125 \text{ remainder } 36$$

125
53 | 6661
53
--
136
106

301
265

36 ← remainder

$$6661 \div 59 = 112 \text{ remainder } 53$$

112
59 | 6661
59
--
76
59
--
171
118

53 ← remainder

$$6661 \div 61 = 109 \text{ remainder } 12$$

109
61 | 6661
61
--
56
0
-
561
549

12 ← remainder

$$6661 \div 67 = 99 \text{ remainder } 28$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6661} \\ \underline{603} \\ 631 \\ \underline{603} \\ 28 \leftarrow \text{remainder} \end{array}$$

$$6661 \div 71 = 93 \text{ remainder } 58$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6661} \\ \underline{639} \\ 271 \\ \underline{213} \\ 58 \leftarrow \text{remainder} \end{array}$$

$$6661 \div 73 = 91 \text{ remainder } 18$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6661} \\ \underline{657} \\ 91 \\ \underline{73} \\ 18 \leftarrow \text{remainder} \end{array}$$

$$6661 \div 79 = 84 \text{ remainder } 25$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6661} \\ \underline{632} \\ 341 \\ \underline{316} \\ 25 \leftarrow \text{remainder} \end{array}$$

P₈₆₀ 6673

$$6673 \div 2 = 3336 \text{ remainder } 1$$

$$\begin{array}{r} 3336 \\ 2 \mid 6673 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 3 = 2224 \text{ remainder } 1$$

$$\begin{array}{r} 2224 \\ 3 \mid 6673 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 5 = 1334 \text{ remainder } 3$$

$$\begin{array}{r} 1334 \\ 5 \mid 6673 \\ \underline{5} \\ - \end{array}$$

```

16
15
--
17
15
--
23
20
--
3 ← remainder

```

$$6673 \div 7 = 953 \text{ remainder } 2$$

```

  953
7 | 6673
  63
  --
   37
   35
   --
   23
   21
   --
   2 ← remainder

```

$$6673 \div 11 = 606 \text{ remainder } 7$$

```

  606
11 | 6673
   66
   --
    7
    0
    -
    73
    66
    --
    7 ← remainder

```

$$6673 \div 13 = 513 \text{ remainder } 4$$

```

  513
13 | 6673
   65

```

```

--
17
13
--
43
39
--
4 ← remainder

```

$$6673 \div 17 = 392 \text{ remainder } 9$$

```

      392
17 | 6673
    51
    --
    157
    153
    ---
     43
     34
     --
     9 ← remainder

```

$$6673 \div 19 = 351 \text{ remainder } 4$$

```

      351
19 | 6673
    57
    --
    97
    95
    --
    23
    19
    --
    4 ← remainder

```

$$6673 \div 23 = 290 \text{ remainder } 3$$

```

      290
23 | 6673
    46
    --
    207

```

```

207
---
3
0
-
-
3 ← remainder

```

$$6673 \div 29 = 230 \text{ remainder } 3$$

```

      230
29 | 6673
    58
    --
    87
    87
    --
    3
    0
    -
    3 ← remainder

```

$$6673 \div 31 = 215 \text{ remainder } 8$$

```

      215
31 | 6673
    62
    --
    47
    31
    --
    163
    155
    ---
    8 ← remainder

```

$$6673 \div 37 = 180 \text{ remainder } 13$$

```

      180
37 | 6673
    37
    --
    297
    296
    ---

```

```

13
0
-
13 ← remainder

```

$$6673 \div 41 = 162 \text{ remainder } 31$$

```

162
41 | 6673
   41
   --
   257
   246
   ---
   113
   82
   --
   31 ← remainder

```

$$6673 \div 43 = 155 \text{ remainder } 8$$

```

155
43 | 6673
   43
   --
   237
   215
   ---
   223
   215
   ---
   8 ← remainder

```

$$6673 \div 47 = 141 \text{ remainder } 46$$

```

141
47 | 6673
   47
   --
   197
   188
   ---
   93
   47

```

--
46 ← remainder

$$6673 \div 53 = 125 \text{ remainder } 48$$

125
53 | 6673
53
--
137
106

313
265

48 ← remainder

$$6673 \div 59 = 113 \text{ remainder } 6$$

113
59 | 6673
59
--
77
59
--
183
177

6 ← remainder

$$6673 \div 61 = 109 \text{ remainder } 24$$

109
61 | 6673
61
--
57
0
-
573
549

24 ← remainder

$$6673 \div 67 = 99 \text{ remainder } 40$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6673} \\ \underline{603} \\ 643 \\ \underline{603} \\ 40 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 71 = 93 \text{ remainder } 70$$

$$\begin{array}{r} 93 \\ 71 \overline{) 6673} \\ \underline{639} \\ 283 \\ \underline{213} \\ 70 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 73 = 91 \text{ remainder } 30$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6673} \\ \underline{657} \\ 103 \\ \underline{73} \\ 30 \leftarrow \text{remainder} \end{array}$$

$$6673 \div 79 = 84 \text{ remainder } 37$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6673} \\ \underline{632} \\ 353 \\ \underline{316} \\ 37 \leftarrow \text{remainder} \end{array}$$

P₈₆₁ 6679

$$6679 \div 2 = 3339 \text{ remainder } 1$$

$$\begin{array}{r} 3339 \\ 2 \mid 6679 \\ \underline{6} \\ - \\ \underline{6} \\ \underline{6} \\ - \\ \underline{7} \\ \underline{6} \\ - \\ \underline{19} \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6679 \div 3 = 2226 \text{ remainder } 1$$

$$\begin{array}{r} 2226 \\ 3 \mid 6679 \\ \underline{6} \\ - \\ \underline{6} \\ \underline{6} \\ - \\ \underline{7} \\ \underline{6} \\ - \\ \underline{19} \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6679 \div 5 = 1335 \text{ remainder } 4$$

$$\begin{array}{r} 1335 \\ 5 \mid 6679 \\ \underline{5} \\ - \end{array}$$

```

16
15
--
17
15
--
29
25
--
4 ← remainder

```

$$6679 \div 7 = 954 \text{ remainder } 1$$

```

  954
7 | 6679
  63
  --
   37
   35
   --
   29
   28
   --
   1 ← remainder

```

$$6679 \div 11 = 607 \text{ remainder } 2$$

```

  607
11 | 6679
   66
   --
    7
    0
    -
   79
   77
   --
    2 ← remainder

```

$$6679 \div 13 = 513 \text{ remainder } 10$$

```

  513
13 | 6679
   65

```

```

--
17
13
--
49
39
--
10 ← remainder

```

$$6679 \div 17 = 392 \text{ remainder } 15$$

```

      392
17 | 6679
    51
    --
    157
    153
    ---
     49
     34
     --
     15 ← remainder

```

$$6679 \div 19 = 351 \text{ remainder } 10$$

```

      351
19 | 6679
    57
    --
    97
    95
    --
    29
    19
    --
    10 ← remainder

```

$$6679 \div 23 = 290 \text{ remainder } 9$$

```

      290
23 | 6679
    46
    --
    207

```

```

207
---
9
0
-
9 ← remainder

```

$$6679 \div 29 = 230 \text{ remainder } 9$$

```

      230
29 | 6679
    58
    --
     87
     87
     --
      9
      0
      -
      9 ← remainder

```

$$6679 \div 31 = 215 \text{ remainder } 14$$

```

      215
31 | 6679
    62
    --
     47
     31
     --
     169
     155
     ---
     14 ← remainder

```

$$6679 \div 37 = 180 \text{ remainder } 19$$

```

      180
37 | 6679
    37
    --
     297
     296
     ---

```

```

19
0
-
19 ← remainder

```

$$6679 \div 41 = 162 \text{ remainder } 37$$

```

162
41 | 6679
  41
  --
 257
 246
  ---
 119
  82
  --
 37 ← remainder

```

$$6679 \div 43 = 155 \text{ remainder } 14$$

```

155
43 | 6679
  43
  --
 237
 215
  ---
 229
 215
  ---
 14 ← remainder

```

$$6679 \div 47 = 142 \text{ remainder } 5$$

```

142
47 | 6679
  47
  --
 197
 188
  ---
  99
  94

```

--
5 ← remainder

$$6679 \div 53 = 126 \text{ remainder } 1$$

126
53 | 6679
53
--
137
106

319
318

1 ← remainder

$$6679 \div 59 = 113 \text{ remainder } 12$$

113
59 | 6679
59
--
77
59
--
189
177

12 ← remainder

$$6679 \div 61 = 109 \text{ remainder } 30$$

109
61 | 6679
61
--
57
0
-
579
549

30 ← remainder

$$6679 \div 67 = 99 \text{ remainder } 46$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6679} \\ \underline{603} \\ 649 \\ \underline{603} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$6679 \div 71 = 94 \text{ remainder } 5$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6679} \\ \underline{639} \\ 289 \\ \underline{284} \\ 5 \leftarrow \text{remainder} \end{array}$$

$$6679 \div 73 = 91 \text{ remainder } 36$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6679} \\ \underline{657} \\ 109 \\ \underline{73} \\ 36 \leftarrow \text{remainder} \end{array}$$

$$6679 \div 79 = 84 \text{ remainder } 43$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6679} \\ \underline{632} \\ 359 \\ \underline{316} \\ 43 \leftarrow \text{remainder} \end{array}$$

P₈₆₂ 6689

$$6689 \div 2 = 3344 \text{ remainder } 1$$

$$\begin{array}{r} 3344 \\ 2 \mid 6689 \\ \underline{6} \\ - \\ \underline{6} \\ 6 \\ - \\ \underline{8} \\ 8 \\ - \\ \underline{9} \\ 8 \\ - \\ \underline{1} \leftarrow \text{remainder} \end{array}$$

$$6689 \div 3 = 2229 \text{ remainder } 2$$

$$\begin{array}{r} 2229 \\ 3 \mid 6689 \\ \underline{6} \\ - \\ \underline{6} \\ 6 \\ - \\ \underline{8} \\ 6 \\ - \\ \underline{29} \\ 27 \\ - - \\ \underline{2} \leftarrow \text{remainder} \end{array}$$

$$6689 \div 5 = 1337 \text{ remainder } 4$$

$$\begin{array}{r} 1337 \\ 5 \mid 6689 \\ \underline{5} \\ - \end{array}$$

```

16
15
--
18
15
--
39
35
--
4 ← remainder

```

$$6689 \div 7 = 955 \text{ remainder } 4$$

```

  955
7 | 6689
  63
  --
   38
   35
   --
   39
   35
   --
   4 ← remainder

```

$$6689 \div 11 = 608 \text{ remainder } 1$$

```

  608
11 | 6689
   66
   --
    8
    0
    -
   89
   88
   --
   1 ← remainder

```

$$6689 \div 13 = 514 \text{ remainder } 7$$

```

  514
13 | 6689
   65

```

```

--
18
13
--
59
52
--
7 ← remainder

```

$$6689 \div 17 = 393 \text{ remainder } 8$$

```

      393
17 | 6689
    51
    --
    158
    153
    ---
     59
     51
     --
     8 ← remainder

```

$$6689 \div 19 = 352 \text{ remainder } 1$$

```

      352
19 | 6689
    57
    --
    98
    95
    --
    39
    38
    --
    1 ← remainder

```

$$6689 \div 23 = 290 \text{ remainder } 19$$

```

      290
23 | 6689
    46
    --
    208

```

```

207
---
19
0
-
19 ← remainder

```

$$6689 \div 29 = 230 \text{ remainder } 19$$

```

      230
29 | 6689
    58
    --
     88
     87
     --
      19
      0
      -
      19 ← remainder

```

$$6689 \div 31 = 215 \text{ remainder } 24$$

```

      215
31 | 6689
    62
    --
     48
     31
     --
     179
     155
     ---
      24 ← remainder

```

$$6689 \div 37 = 180 \text{ remainder } 29$$

```

      180
37 | 6689
    37
    --
     298
     296
     ---

```

```

29
0
-
29 ← remainder

```

$$6689 \div 41 = 163 \text{ remainder } 6$$

```

      163
41 | 6689
    41
    --
    258
    246
    ---
    129
    123
    ---
     6 ← remainder

```

$$6689 \div 43 = 155 \text{ remainder } 24$$

```

      155
43 | 6689
    43
    --
    238
    215
    ---
    239
    215
    ---
    24 ← remainder

```

$$6689 \div 47 = 142 \text{ remainder } 15$$

```

      142
47 | 6689
    47
    --
    198
    188
    ---
    109
     94

```

--
15 ← remainder

$$6689 \div 53 = 126 \text{ remainder } 11$$

126
53 | 6689
53
--
138
106

329
318

11 ← remainder

$$6689 \div 59 = 113 \text{ remainder } 22$$

113
59 | 6689
59
--
78
59
--
199
177

22 ← remainder

$$6689 \div 61 = 109 \text{ remainder } 40$$

109
61 | 6689
61
--
58
0
-
589
549

40 ← remainder

$$6689 \div 67 = 99 \text{ remainder } 56$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6689} \\ \underline{603} \\ 659 \\ \underline{603} \\ 56 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 71 = 94 \text{ remainder } 15$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6689} \\ \underline{639} \\ 299 \\ \underline{284} \\ 15 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 73 = 91 \text{ remainder } 46$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6689} \\ \underline{657} \\ 119 \\ \underline{73} \\ 46 \leftarrow \text{remainder} \end{array}$$

$$6689 \div 79 = 84 \text{ remainder } 53$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6689} \\ \underline{632} \\ 369 \\ \underline{316} \\ 53 \leftarrow \text{remainder} \end{array}$$

P₈₆₃ 6691

$$6691 \div 2 = 3345 \text{ remainder } 1$$

$$\begin{array}{r} 3345 \\ 2 \mid 6691 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 3 = 2230 \text{ remainder } 1$$

$$\begin{array}{r} 2230 \\ 3 \mid 6691 \\ \underline{6} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 5 = 1338 \text{ remainder } 1$$

$$\begin{array}{r} 1338 \\ 5 \mid 6691 \\ \underline{5} \\ - \end{array}$$


```

16
15
--
19
15
--
41
40
--
1 ← remainder

```

$$6691 \div 7 = 955 \text{ remainder } 6$$

```

  955
7 | 6691
  63
  --
   39
   35
   --
   41
   35
   --
   6 ← remainder

```

$$6691 \div 11 = 608 \text{ remainder } 3$$

```

  608
11 | 6691
   66
   --
    9
    0
    -
   91
   88
   --
    3 ← remainder

```

$$6691 \div 13 = 514 \text{ remainder } 9$$

```

  514
13 | 6691
   65

```

```

--
19
13
--
61
52
--
9 ← remainder

```

$$6691 \div 17 = 393 \text{ remainder } 10$$

```

      393
17 | 6691
    51
    --
    159
    153
    ---
     61
     51
     --
    10 ← remainder

```

$$6691 \div 19 = 352 \text{ remainder } 3$$

```

      352
19 | 6691
    57
    --
    99
    95
    --
    41
    38
    --
     3 ← remainder

```

$$6691 \div 23 = 290 \text{ remainder } 21$$

```

      290
23 | 6691
    46
    --
    209

```

```

207
---
21
0
-
21 ← remainder

```

$$6691 \div 29 = 230 \text{ remainder } 21$$

```

      230
29 | 6691
    58
    --
    89
    87
    --
    21
    0
    -
    21 ← remainder

```

$$6691 \div 31 = 215 \text{ remainder } 26$$

```

      215
31 | 6691
    62
    --
    49
    31
    --
    181
    155
    ---
    26 ← remainder

```

$$6691 \div 37 = 180 \text{ remainder } 31$$

```

      180
37 | 6691
    37
    --
    299
    296
    ---

```

```

31
0
-
31 ← remainder

```

$$6691 \div 41 = 163 \text{ remainder } 8$$

```

163
41 | 6691
  41
  --
  259
  246
  ---
   131
   123
   ---
    8 ← remainder

```

$$6691 \div 43 = 155 \text{ remainder } 26$$

```

155
43 | 6691
  43
  --
  239
  215
  ---
   241
   215
   ---
    26 ← remainder

```

$$6691 \div 47 = 142 \text{ remainder } 17$$

```

142
47 | 6691
  47
  --
  199
  188
  ---
   111
   94

```

--
17 ← remainder

$$6691 \div 53 = 126 \text{ remainder } 13$$

126
53 | 6691
53
--
139
106

331
318

13 ← remainder

$$6691 \div 59 = 113 \text{ remainder } 24$$

113
59 | 6691
59
--
79
59
--
201
177

24 ← remainder

$$6691 \div 61 = 109 \text{ remainder } 42$$

109
61 | 6691
61
--
59
0
-
591
549

42 ← remainder

$$6691 \div 67 = 99 \text{ remainder } 58$$

$$\begin{array}{r} 99 \\ 67 \overline{) 6691} \\ \underline{603} \\ 661 \\ \underline{603} \\ 58 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 71 = 94 \text{ remainder } 17$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6691} \\ \underline{639} \\ 301 \\ \underline{284} \\ 17 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 73 = 91 \text{ remainder } 48$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6691} \\ \underline{657} \\ 121 \\ \underline{73} \\ 48 \leftarrow \text{remainder} \end{array}$$

$$6691 \div 79 = 84 \text{ remainder } 55$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6691} \\ \underline{632} \\ 371 \\ \underline{316} \\ 55 \leftarrow \text{remainder} \end{array}$$

P₈₆₄ 6701

$$6701 \div 2 = 3350 \text{ remainder } 1$$

$$\begin{array}{r} 3350 \\ 2 \mid 6701 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 3 = 2233 \text{ remainder } 2$$

$$\begin{array}{r} 2233 \\ 3 \mid 6701 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 5 = 1340 \text{ remainder } 1$$

$$\begin{array}{r} 1340 \\ 5 \mid 6701 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
20
20
--
1
0
-
1 ← remainder

```

$$6701 \div 7 = 957 \text{ remainder } 2$$

```

  957
7 | 6701
  63
  --
  40
  35
  --
  51
  49
  --
  2 ← remainder

```

$$6701 \div 11 = 609 \text{ remainder } 2$$

```

  609
11 | 6701
   66
   --
   10
   0
   -
   101
   99
   --
   2 ← remainder

```

$$6701 \div 13 = 515 \text{ remainder } 6$$

```

  515
13 | 6701
   65

```



```

--
20
13
--
71
65
--
6 ← remainder

```

$$6701 \div 17 = 394 \text{ remainder } 3$$

```

      394
17 | 6701
    51
    --
    160
    153
    ---
     71
     68
     --
     3 ← remainder

```

$$6701 \div 19 = 352 \text{ remainder } 13$$

```

      352
19 | 6701
    57
    --
    100
    95
    --
     51
     38
     --
    13 ← remainder

```

$$6701 \div 23 = 291 \text{ remainder } 8$$

```

      291
23 | 6701
    46
    --
    210

```

```

207
---
31
23
--
8 ← remainder

```

$$6701 \div 29 = 231 \text{ remainder } 2$$

```

      231
29 | 6701
    58
    --
     90
     87
     --
      31
      29
      --
       2 ← remainder

```

$$6701 \div 31 = 216 \text{ remainder } 5$$

```

      216
31 | 6701
    62
    --
     50
     31
     --
     191
     186
     ---
       5 ← remainder

```

$$6701 \div 37 = 181 \text{ remainder } 4$$

```

      181
37 | 6701
    37
    --
     300
     296
     ---

```

```

41
37
--
4 ← remainder

```

$$6701 \div 41 = 163 \text{ remainder } 18$$

```

      163
41 | 6701
    41
    --
    260
    246
    ---
    141
    123
    ---
    18 ← remainder

```

$$6701 \div 43 = 155 \text{ remainder } 36$$

```

      155
43 | 6701
    43
    --
    240
    215
    ---
    251
    215
    ---
    36 ← remainder

```

$$6701 \div 47 = 142 \text{ remainder } 27$$

```

      142
47 | 6701
    47
    --
    200
    188
    ---
    121
    94

```

--
27 ← remainder

$$6701 \div 53 = 126 \text{ remainder } 23$$

126
53 | 6701
53
--
140
106

341
318

23 ← remainder

$$6701 \div 59 = 113 \text{ remainder } 34$$

113
59 | 6701
59
--
80
59
--
211
177

34 ← remainder

$$6701 \div 61 = 109 \text{ remainder } 52$$

109
61 | 6701
61
--
60
0
-
601
549

52 ← remainder

$$6701 \div 67 = 100 \text{ remainder } 1$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6701} \\ \underline{67} \\ 0 \\ 0 \\ \underline{ 1} \\ 0 \\ \underline{ 1} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 71 = 94 \text{ remainder } 27$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6701} \\ \underline{639} \\ 311 \\ \underline{ 284} \\ 27 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 73 = 91 \text{ remainder } 58$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6701} \\ \underline{657} \\ 131 \\ \underline{ 73} \\ 58 \leftarrow \text{remainder} \end{array}$$

$$6701 \div 79 = 84 \text{ remainder } 65$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6701} \\ \underline{632} \\ 381 \\ \underline{ 316} \end{array}$$

65 ← remainder

P₈₆₅ 6703

$$6703 \div 2 = 3351 \text{ remainder } 1$$

$$\begin{array}{r} 3351 \\ 2 \mid 6703 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 3 = 2234 \text{ remainder } 1$$

$$\begin{array}{r} 2234 \\ 3 \mid 6703 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 5 = 1340 \text{ remainder } 3$$

$$\begin{array}{r} 1340 \\ 5 \mid 6703 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
20
20
--
3
0
-
3 ← remainder

```

$$6703 \div 7 = 957 \text{ remainder } 4$$

```

  957
7 | 6703
  63
  --
  40
  35
  --
  53
  49
  --
  4 ← remainder

```

$$6703 \div 11 = 609 \text{ remainder } 4$$

```

  609
11 | 6703
   66
   --
   10
   0
   -
  103
   99
   --
   4 ← remainder

```

$$6703 \div 13 = 515 \text{ remainder } 8$$

```

  515
13 | 6703
   65

```



```

--
20
13
--
73
65
--
8 ← remainder

```

$$6703 \div 17 = 394 \text{ remainder } 5$$

```

      394
17 | 6703
    51
    --
    160
    153
    ---
     73
     68
     --
     5 ← remainder

```

$$6703 \div 19 = 352 \text{ remainder } 15$$

```

      352
19 | 6703
    57
    --
    100
    95
    --
     53
     38
     --
     15 ← remainder

```

$$6703 \div 23 = 291 \text{ remainder } 10$$

```

      291
23 | 6703
    46
    --
    210

```

```

207
---
33
23
--
10 ← remainder

```

$$6703 \div 29 = 231 \text{ remainder } 4$$

```

      231
29 | 6703
    58
    --
     90
     87
     --
      33
      29
      --
       4 ← remainder

```

$$6703 \div 31 = 216 \text{ remainder } 7$$

```

      216
31 | 6703
    62
    --
     50
     31
     --
     193
     186
     ---
      7 ← remainder

```

$$6703 \div 37 = 181 \text{ remainder } 6$$

```

      181
37 | 6703
    37
    --
     300
     296
     ---

```

43
 37
 --
 6 ← remainder

$$6703 \div 41 = 163 \text{ remainder } 20$$

163
 41 | 6703
 41
 --
 260
 246
 --
 143
 123
 --
 20 ← remainder

$$6703 \div 43 = 155 \text{ remainder } 38$$

155
 43 | 6703
 43
 --
 240
 215
 --
 253
 215
 --
 38 ← remainder

$$6703 \div 47 = 142 \text{ remainder } 29$$

142
 47 | 6703
 47
 --
 200
 188
 --
 123
 94

--
29 ← remainder

$$6703 \div 53 = 126 \text{ remainder } 25$$

126
53 | 6703
53
--
140
106

343
318

25 ← remainder

$$6703 \div 59 = 113 \text{ remainder } 36$$

113
59 | 6703
59
--
80
59
--
213
177

36 ← remainder

$$6703 \div 61 = 109 \text{ remainder } 54$$

109
61 | 6703
61
--
60
0
-
603
549

54 ← remainder

$$6703 \div 67 = 100 \text{ remainder } 3$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6703} \\ \underline{67} \\ 0 \\ 0 \\ - \\ 3 \\ 0 \\ - \\ 3 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 71 = 94 \text{ remainder } 29$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6703} \\ \underline{639} \\ --- \\ 313 \\ \underline{284} \\ --- \\ 29 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 73 = 91 \text{ remainder } 60$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6703} \\ \underline{657} \\ --- \\ 133 \\ \underline{73} \\ -- \\ 60 \leftarrow \text{remainder} \end{array}$$

$$6703 \div 79 = 84 \text{ remainder } 67$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6703} \\ \underline{632} \\ --- \\ 383 \\ \underline{316} \end{array}$$

67 ← remainder

P₈₆₆ 6709

$$6709 \div 2 = 3354 \text{ remainder } 1$$

$$\begin{array}{r} 3354 \\ 2 \mid 6709 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 3 = 2236 \text{ remainder } 1$$

$$\begin{array}{r} 2236 \\ 3 \mid 6709 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 5 = 1341 \text{ remainder } 4$$

$$\begin{array}{r} 1341 \\ 5 \mid 6709 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
20
20
--
9
5
-
4 ← remainder

```

$$6709 \div 7 = 958 \text{ remainder } 3$$

```

  958
7 | 6709
  63
  --
   40
   35
   --
   59
   56
   --
   3 ← remainder

```

$$6709 \div 11 = 609 \text{ remainder } 10$$

```

  609
11 | 6709
   66
   --
   10
   0
   -
  109
   99
   --
  10 ← remainder

```

$$6709 \div 13 = 516 \text{ remainder } 1$$

```

  516
13 | 6709
   65

```



```

--
20
13
--
79
78
--
1 ← remainder

```

$$6709 \div 17 = 394 \text{ remainder } 11$$

```

      394
17 | 6709
    51
    --
    160
    153
    ---
     79
     68
     --
    11 ← remainder

```

$$6709 \div 19 = 353 \text{ remainder } 2$$

```

      353
19 | 6709
    57
    --
    100
    95
    --
     59
     57
     --
     2 ← remainder

```

$$6709 \div 23 = 291 \text{ remainder } 16$$

```

      291
23 | 6709
    46
    --
    210

```

```

207
---
39
23
--
16 ← remainder

```

$$6709 \div 29 = 231 \text{ remainder } 10$$

```

      231
29 | 6709
    58
    --
     90
     87
     --
      39
      29
      --
      10 ← remainder

```

$$6709 \div 31 = 216 \text{ remainder } 13$$

```

      216
31 | 6709
    62
    --
     50
     31
     --
     199
     186
     ---
      13 ← remainder

```

$$6709 \div 37 = 181 \text{ remainder } 12$$

```

      181
37 | 6709
    37
    --
     300
     296
     ---

```

49
 37
 --
 12 ← remainder

$$6709 \div 41 = 163 \text{ remainder } 26$$

163
 41 | 6709
 41
 --
 260
 246

 149
 123

 26 ← remainder

$$6709 \div 43 = 156 \text{ remainder } 1$$

156
 43 | 6709
 43
 --
 240
 215

 259
 258

 1 ← remainder

$$6709 \div 47 = 142 \text{ remainder } 35$$

142
 47 | 6709
 47
 --
 200
 188

 129
 94

--
35 ← remainder

$$6709 \div 53 = 126 \text{ remainder } 31$$

126
53 | 6709
53
--
140
106

349
318

31 ← remainder

$$6709 \div 59 = 113 \text{ remainder } 42$$

113
59 | 6709
59
--
80
59
--
219
177

42 ← remainder

$$6709 \div 61 = 109 \text{ remainder } 60$$

109
61 | 6709
61
--
60
0
-
609
549

60 ← remainder

$$6709 \div 67 = 100 \text{ remainder } 9$$

$$\begin{array}{r} 100 \\ 67 \overline{) 6709} \\ \underline{67} \\ 0 \\ 0 \\ - \\ 9 \\ 0 \\ - \\ 9 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 71 = 94 \text{ remainder } 35$$

$$\begin{array}{r} 94 \\ 71 \overline{) 6709} \\ \underline{639} \\ --- \\ 319 \\ \underline{284} \\ --- \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 73 = 91 \text{ remainder } 66$$

$$\begin{array}{r} 91 \\ 73 \overline{) 6709} \\ \underline{657} \\ --- \\ 139 \\ \underline{73} \\ -- \\ 66 \leftarrow \text{remainder} \end{array}$$

$$6709 \div 79 = 84 \text{ remainder } 73$$

$$\begin{array}{r} 84 \\ 79 \overline{) 6709} \\ \underline{632} \\ --- \\ 389 \\ \underline{316} \end{array}$$

73 ← remainder

P₈₆₇ 6719

$$6719 \div 2 = 3359 \text{ remainder } 1$$

$$\begin{array}{r} 3359 \\ 2 \mid 6719 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6719 \div 3 = 2239 \text{ remainder } 2$$

$$\begin{array}{r} 2239 \\ 3 \mid 6719 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6719 \div 5 = 1343 \text{ remainder } 4$$

$$\begin{array}{r} 1343 \\ 5 \mid 6719 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
21
20
--
19
15
--
4 ← remainder

```

$$6719 \div 7 = 959 \text{ remainder } 6$$

```

  959
7 | 6719
  63
  --
  41
  35
  --
  69
  63
  --
  6 ← remainder

```

$$6719 \div 11 = 610 \text{ remainder } 9$$

```

  610
11 | 6719
   66
   --
   11
   11
   --
   9
   0
   -
   9 ← remainder

```

$$6719 \div 13 = 516 \text{ remainder } 11$$

```

  516
13 | 6719
   65

```



```

--
21
13
--
89
78
--
11 ← remainder

```

$$6719 \div 17 = 395 \text{ remainder } 4$$

```

      395
17 | 6719
    51
    --
    161
    153
    ---
     89
     85
     --
     4 ← remainder

```

$$6719 \div 19 = 353 \text{ remainder } 12$$

```

      353
19 | 6719
    57
    --
    101
    95
    --
     69
     57
     --
     12 ← remainder

```

$$6719 \div 23 = 292 \text{ remainder } 3$$

```

      292
23 | 6719
    46
    --
    211

```

```

207
---
49
46
--
3 ← remainder

```

$$6719 \div 29 = 231 \text{ remainder } 20$$

```

      231
29 | 6719
    58
    --
     91
     87
     --
      49
      29
      --
      20 ← remainder

```

$$6719 \div 31 = 216 \text{ remainder } 23$$

```

      216
31 | 6719
    62
    --
     51
     31
     --
     209
     186
     ---
     23 ← remainder

```

$$6719 \div 37 = 181 \text{ remainder } 22$$

```

      181
37 | 6719
    37
    --
     301
     296
     ---

```

59
 37
 --
 22 ← remainder

$$6719 \div 41 = 163 \text{ remainder } 36$$

163
 41 | 6719
 41
 --
 261
 246

 159
 123

 36 ← remainder

$$6719 \div 43 = 156 \text{ remainder } 11$$

156
 43 | 6719
 43
 --
 241
 215

 269
 258

 11 ← remainder

$$6719 \div 47 = 142 \text{ remainder } 45$$

142
 47 | 6719
 47
 --
 201
 188

 139
 94

--
45 ← remainder

$$6719 \div 53 = 126 \text{ remainder } 41$$

126
53 | 6719
53
--
141
106

359
318

41 ← remainder

$$6719 \div 59 = 113 \text{ remainder } 52$$

113
59 | 6719
59
--
81
59
--
229
177

52 ← remainder

$$6719 \div 61 = 110 \text{ remainder } 9$$

110
61 | 6719
61
--
61
61
--
9
0
-
9 ← remainder

$$6719 \div 67 = 100 \text{ remainder } 19$$

$$\begin{array}{r}
 100 \\
 67 \overline{) 6719} \\
 \underline{67} \\
 -- \\
 1 \\
 \underline{0} \\
 - \\
 19 \\
 \underline{0} \\
 - \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$6719 \div 71 = 94 \text{ remainder } 45$$

$$\begin{array}{r}
 94 \\
 71 \overline{) 6719} \\
 \underline{639} \\
 --- \\
 329 \\
 \underline{284} \\
 --- \\
 45 \leftarrow \text{remainder}
 \end{array}$$

$$6719 \div 73 = 92 \text{ remainder } 3$$

$$\begin{array}{r}
 92 \\
 73 \overline{) 6719} \\
 \underline{657} \\
 --- \\
 149 \\
 \underline{146} \\
 --- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$6719 \div 79 = 85 \text{ remainder } 4$$

$$\begin{array}{r}
 85 \\
 79 \overline{) 6719} \\
 \underline{632} \\
 --- \\
 399 \\
 \underline{395} \\

 \end{array}$$

4 ← remainder

P₈₆₈ 6733

$$6733 \div 2 = 3366 \text{ remainder } 1$$

$$\begin{array}{r} 3366 \\ 2 \mid 6733 \\ 6 \\ - \\ 7 \\ 6 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6733 \div 3 = 2244 \text{ remainder } 1$$

$$\begin{array}{r} 2244 \\ 3 \mid 6733 \\ 6 \\ - \\ 7 \\ 6 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6733 \div 5 = 1346 \text{ remainder } 3$$

$$\begin{array}{r} 1346 \\ 5 \mid 6733 \\ 5 \\ - \end{array}$$

```

17
15
--
23
20
--
33
30
--
3 ← remainder

```

$$6733 \div 7 = 961 \text{ remainder } 6$$

```

  961
7 | 6733
  63
  --
   43
   42
   --
   13
   7
   -
   6 ← remainder

```

$$6733 \div 11 = 612 \text{ remainder } 1$$

```

  612
11 | 6733
   66
   --
   13
   11
   --
   23
   22
   --
   1 ← remainder

```

$$6733 \div 13 = 517 \text{ remainder } 12$$

```

  517
13 | 6733
   65

```



```

--
23
13
--
103
91
--
12 ← remainder

```

$$6733 \div 17 = 396 \text{ remainder } 1$$

```

      396
17 | 6733
    51
    --
    163
    153
    ---
    103
    102
    ---
    1 ← remainder

```

$$6733 \div 19 = 354 \text{ remainder } 7$$

```

      354
19 | 6733
    57
    --
    103
    95
    --
    83
    76
    --
    7 ← remainder

```

$$6733 \div 23 = 292 \text{ remainder } 17$$

```

      292
23 | 6733
    46
    --
    213

```

```

207
---
63
46
--
17 ← remainder

```

$$6733 \div 29 = 232 \text{ remainder } 5$$

```

      232
29 | 6733
    58
    --
     93
     87
     --
      63
      58
      --
       5 ← remainder

```

$$6733 \div 31 = 217 \text{ remainder } 6$$

```

      217
31 | 6733
    62
    --
     53
     31
     --
      223
      217
      ---
       6 ← remainder

```

$$6733 \div 37 = 181 \text{ remainder } 36$$

```

      181
37 | 6733
    37
    --
     303
     296
     ---

```

```

73
37
--
36 ← remainder

```

$$6733 \div 41 = 164 \text{ remainder } 9$$

```

164
41 | 6733
   41
   --
   263
   246
   ---
   173
   164
   ---
   9 ← remainder

```

$$6733 \div 43 = 156 \text{ remainder } 25$$

```

156
43 | 6733
   43
   --
   243
   215
   ---
   283
   258
   ---
   25 ← remainder

```

$$6733 \div 47 = 143 \text{ remainder } 12$$

```

143
47 | 6733
   47
   --
   203
   188
   ---
   153
   141

```

12 ← remainder

$$6733 \div 53 = 127 \text{ remainder } 2$$

127
53 | 6733
53
--
143
106

373
371

2 ← remainder

$$6733 \div 59 = 114 \text{ remainder } 7$$

114
59 | 6733
59
--
83
59
--
243
236

7 ← remainder

$$6733 \div 61 = 110 \text{ remainder } 23$$

110
61 | 6733
61
--
63
61
--
23
0
-
23 ← remainder

$$6733 \div 67 = 100 \text{ remainder } 33$$

$$\begin{array}{r}
 100 \\
 67 \overline{) 6733} \\
 \underline{67} \\
 3 \\
 \underline{0} \\
 33 \\
 \underline{0} \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$6733 \div 71 = 94 \text{ remainder } 59$$

$$\begin{array}{r}
 94 \\
 71 \overline{) 6733} \\
 \underline{639} \\
 343 \\
 \underline{284} \\
 59 \leftarrow \text{remainder}
 \end{array}$$

$$6733 \div 73 = 92 \text{ remainder } 17$$

$$\begin{array}{r}
 92 \\
 73 \overline{) 6733} \\
 \underline{657} \\
 163 \\
 \underline{146} \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$6733 \div 79 = 85 \text{ remainder } 18$$

$$\begin{array}{r}
 85 \\
 79 \overline{) 6733} \\
 \underline{632} \\
 413 \\
 \underline{395}
 \end{array}$$

18 ← remainder

P₈₆₉ 6737

$$6737 \div 2 = 3368 \text{ remainder } 1$$

$$\begin{array}{r} 3368 \\ 2 \mid 6737 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6737 \div 3 = 2245 \text{ remainder } 2$$

$$\begin{array}{r} 2245 \\ 3 \mid 6737 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6737 \div 5 = 1347 \text{ remainder } 2$$

$$\begin{array}{r} 1347 \\ 5 \mid 6737 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
23
20
--
37
35
--
2 ← remainder

```

$$6737 \div 7 = 962 \text{ remainder } 3$$

```

  962
7 | 6737
  63
  --
   43
   42
   --
    17
    14
    --
     3 ← remainder

```

$$6737 \div 11 = 612 \text{ remainder } 5$$

```

  612
11 | 6737
   66
   --
    13
    11
    --
     27
     22
     --
      5 ← remainder

```

$$6737 \div 13 = 518 \text{ remainder } 3$$

```

  518
13 | 6737
   65

```



```

--
23
13
--
107
104
---
3 ← remainder

```

$$6737 \div 17 = 396 \text{ remainder } 5$$

```

396
17 | 6737
   51
   --
   163
   153
   ---
   107
   102
   ---
   5 ← remainder

```

$$6737 \div 19 = 354 \text{ remainder } 11$$

```

354
19 | 6737
   57
   --
   103
   95
   --
   87
   76
   --
   11 ← remainder

```

$$6737 \div 23 = 292 \text{ remainder } 21$$

```

292
23 | 6737
   46
   --
   213

```

```

207
---
67
46
--
21 ← remainder

```

$$6737 \div 29 = 232 \text{ remainder } 9$$

```

      232
29 | 6737
    58
    --
     93
     87
     --
      67
      58
      --
       9 ← remainder

```

$$6737 \div 31 = 217 \text{ remainder } 10$$

```

      217
31 | 6737
    62
    --
     53
     31
     --
      227
      217
      ---
       10 ← remainder

```

$$6737 \div 37 = 182 \text{ remainder } 3$$

```

      182
37 | 6737
    37
    --
     303
     296
     ---

```

```

77
74
--
3 ← remainder

```

$$6737 \div 41 = 164 \text{ remainder } 13$$

```

      164
41 | 6737
    41
    --
    263
    246
    ---
    177
    164
    ---
    13 ← remainder

```

$$6737 \div 43 = 156 \text{ remainder } 29$$

```

      156
43 | 6737
    43
    --
    243
    215
    ---
    287
    258
    ---
    29 ← remainder

```

$$6737 \div 47 = 143 \text{ remainder } 16$$

```

      143
47 | 6737
    47
    --
    203
    188
    ---
    157
    141

```

16 ← remainder

$$6737 \div 53 = 127 \text{ remainder } 6$$

$$\begin{array}{r} 127 \\ 53 \overline{) 6737} \\ \underline{53} \end{array}$$

--

143

106

377

371

6 ← remainder

$$6737 \div 59 = 114 \text{ remainder } 11$$

$$\begin{array}{r} 114 \\ 59 \overline{) 6737} \\ \underline{59} \end{array}$$

--

83

59

--

247

236

11 ← remainder

$$6737 \div 61 = 110 \text{ remainder } 27$$

$$\begin{array}{r} 110 \\ 61 \overline{) 6737} \\ \underline{61} \end{array}$$

--

63

61

--

27

0

-

27 ← remainder

$$6737 \div 67 = 100 \text{ remainder } 37$$

$$\begin{array}{r}
 100 \\
 67 \overline{) 6737} \\
 \underline{67} \\
 00 \\
 \underline{00} \\
 00 \\
 \underline{00} \\
 37 \\
 \underline{00} \\
 37 \leftarrow \text{remainder}
 \end{array}$$

$$6737 \div 71 = 94 \text{ remainder } 63$$

$$\begin{array}{r}
 94 \\
 71 \overline{) 6737} \\
 \underline{639} \\
 347 \\
 \underline{284} \\
 63 \leftarrow \text{remainder}
 \end{array}$$

$$6737 \div 73 = 92 \text{ remainder } 21$$

$$\begin{array}{r}
 92 \\
 73 \overline{) 6737} \\
 \underline{657} \\
 167 \\
 \underline{146} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$6737 \div 79 = 85 \text{ remainder } 22$$

$$\begin{array}{r}
 85 \\
 79 \overline{) 6737} \\
 \underline{632} \\
 417 \\
 \underline{395} \\
 22
 \end{array}$$

22 ← remainder

P₈₇₀ 6761

$$6761 \div 2 = 3380 \text{ remainder } 1$$

$$\begin{array}{r} 3380 \\ 2 \mid 6761 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6761 \div 3 = 2253 \text{ remainder } 2$$

$$\begin{array}{r} 2253 \\ 3 \mid 6761 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6761 \div 5 = 1352 \text{ remainder } 1$$

$$\begin{array}{r} 1352 \\ 5 \mid 6761 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
26
25
--
11
10
--
1 ← remainder

```

$$6761 \div 7 = 965 \text{ remainder } 6$$

```

  965
7 | 6761
  63
  --
  46
  42
  --
  41
  35
  --
  6 ← remainder

```

$$6761 \div 11 = 614 \text{ remainder } 7$$

```

  614
11 | 6761
   66
   --
   16
   11
   --
   51
   44
   --
   7 ← remainder

```

$$6761 \div 13 = 520 \text{ remainder } 1$$

```

  520
13 | 6761
   65

```



```

--
26
26
--
1
0
-
1 ← remainder

```

$$6761 \div 17 = 397 \text{ remainder } 12$$

```

      397
17 | 6761
    51
    --
    166
    153
    ---
    131
    119
    ---
    12 ← remainder

```

$$6761 \div 19 = 355 \text{ remainder } 16$$

```

      355
19 | 6761
    57
    --
    106
    95
    --
    111
    95
    --
    16 ← remainder

```

$$6761 \div 23 = 293 \text{ remainder } 22$$

```

      293
23 | 6761
    46
    --
    216

```

```

207
---
91
69
--
22 ← remainder

```

$$6761 \div 29 = 233 \text{ remainder } 4$$

```

      233
29 | 6761
    58
    --
    96
    87
    --
    91
    87
    --
    4 ← remainder

```

$$6761 \div 31 = 218 \text{ remainder } 3$$

```

      218
31 | 6761
    62
    --
    56
    31
    --
    251
    248
    ---
    3 ← remainder

```

$$6761 \div 37 = 182 \text{ remainder } 27$$

```

      182
37 | 6761
    37
    --
    306
    296
    ---

```

```

101
74
--
27 ← remainder

```

$$6761 \div 41 = 164 \text{ remainder } 37$$

```

      164
41 | 6761
    41
    --
    266
    246
    ---
    201
    164
    ---
    37 ← remainder

```

$$6761 \div 43 = 157 \text{ remainder } 10$$

```

      157
43 | 6761
    43
    --
    246
    215
    ---
    311
    301
    ---
    10 ← remainder

```

$$6761 \div 47 = 143 \text{ remainder } 40$$

```

      143
47 | 6761
    47
    --
    206
    188
    ---
    181
    141

```

40 ← remainder

$$6761 \div 53 = 127 \text{ remainder } 30$$

```
    127
53 | 6761
    53
    --
    146
    106
    ---
    401
    371
    ---
    30 ← remainder
```

$$6761 \div 59 = 114 \text{ remainder } 35$$

```
    114
59 | 6761
    59
    --
    86
    59
    --
    271
    236
    ---
    35 ← remainder
```

$$6761 \div 61 = 110 \text{ remainder } 51$$

```
    110
61 | 6761
    61
    --
    66
    61
    --
    51
    0
    -
    51 ← remainder
```

$$6761 \div 67 = 100 \text{ remainder } 61$$

$$\begin{array}{r}
 100 \\
 67 \overline{) 6761} \\
 \underline{67} \\
 00 \\
 \underline{00} \\
 00 \\
 \underline{00} \\
 61 \\
 \underline{00} \\
 61 \leftarrow \text{remainder}
 \end{array}$$

$$6761 \div 71 = 95 \text{ remainder } 16$$

$$\begin{array}{r}
 95 \\
 71 \overline{) 6761} \\
 \underline{639} \\
 371 \\
 \underline{355} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$6761 \div 73 = 92 \text{ remainder } 45$$

$$\begin{array}{r}
 92 \\
 73 \overline{) 6761} \\
 \underline{657} \\
 191 \\
 \underline{146} \\
 45 \leftarrow \text{remainder}
 \end{array}$$

$$6761 \div 79 = 85 \text{ remainder } 46$$

$$\begin{array}{r}
 85 \\
 79 \overline{) 6761} \\
 \underline{632} \\
 441 \\
 \underline{395}
 \end{array}$$

46 ← remainder

P₈₇₁ 6763

$$6763 \div 2 = 3381 \text{ remainder } 1$$

$$\begin{array}{r} 3381 \\ 2 \mid 6763 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6763 \div 3 = 2254 \text{ remainder } 1$$

$$\begin{array}{r} 2254 \\ 3 \mid 6763 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6763 \div 5 = 1352 \text{ remainder } 3$$

$$\begin{array}{r} 1352 \\ 5 \mid 6763 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
26
25
--
13
10
--
3 ← remainder

```

$$6763 \div 7 = 966 \text{ remainder } 1$$

```

  966
7 | 6763
  63
  --
  46
  42
  --
  43
  42
  --
  1 ← remainder

```

$$6763 \div 11 = 614 \text{ remainder } 9$$

```

  614
11 | 6763
   66
   --
   16
   11
   --
   53
   44
   --
   9 ← remainder

```

$$6763 \div 13 = 520 \text{ remainder } 3$$

```

  520
13 | 6763
   65

```



```

--
26
26
--
3
0
-
3 ← remainder

```

$$6763 \div 17 = 397 \text{ remainder } 14$$

```

      397
17 | 6763
    51
    --
    166
    153
    ---
    133
    119
    ---
    14 ← remainder

```

$$6763 \div 19 = 355 \text{ remainder } 18$$

```

      355
19 | 6763
    57
    --
    106
    95
    --
    113
    95
    --
    18 ← remainder

```

$$6763 \div 23 = 294 \text{ remainder } 1$$

```

      294
23 | 6763
    46
    --
    216

```

```

207
---
93
92
--
1 ← remainder

```

$$6763 \div 29 = 233 \text{ remainder } 6$$

```

      233
29 | 6763
    58
    --
    96
    87
    --
    93
    87
    --
    6 ← remainder

```

$$6763 \div 31 = 218 \text{ remainder } 5$$

```

      218
31 | 6763
    62
    --
    56
    31
    --
    253
    248
    ---
    5 ← remainder

```

$$6763 \div 37 = 182 \text{ remainder } 29$$

```

      182
37 | 6763
    37
    --
    306
    296
    ---

```

```

103
74
--
29 ← remainder

```

$$6763 \div 41 = 164 \text{ remainder } 39$$

```

164
41 | 6763
   41
   --
   266
   246
   ---
   203
   164
   ---
   39 ← remainder

```

$$6763 \div 43 = 157 \text{ remainder } 12$$

```

157
43 | 6763
   43
   --
   246
   215
   ---
   313
   301
   ---
   12 ← remainder

```

$$6763 \div 47 = 143 \text{ remainder } 42$$

```

143
47 | 6763
   47
   --
   206
   188
   ---
   183
   141

```

42 ← remainder

$$6763 \div 53 = 127 \text{ remainder } 32$$

```
    127
53 | 6763
    53
    --
    146
    106
    ---
    403
    371
    ---
    32 ← remainder
```

$$6763 \div 59 = 114 \text{ remainder } 37$$

```
    114
59 | 6763
    59
    --
    86
    59
    --
    273
    236
    ---
    37 ← remainder
```

$$6763 \div 61 = 110 \text{ remainder } 53$$

```
    110
61 | 6763
    61
    --
    66
    61
    --
    53
    0
    -
    53 ← remainder
```

$$6763 \div 67 = 100 \text{ remainder } 63$$

$$\begin{array}{r}
 100 \\
 67 \overline{) 6763} \\
 \underline{67} \\
 00 \\
 \underline{00} \\
 63 \\
 \underline{00} \\
 63 \leftarrow \text{remainder}
 \end{array}$$

$$6763 \div 71 = 95 \text{ remainder } 18$$

$$\begin{array}{r}
 95 \\
 71 \overline{) 6763} \\
 \underline{639} \\
 373 \\
 \underline{355} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$6763 \div 73 = 92 \text{ remainder } 47$$

$$\begin{array}{r}
 92 \\
 73 \overline{) 6763} \\
 \underline{657} \\
 193 \\
 \underline{146} \\
 47 \leftarrow \text{remainder}
 \end{array}$$

$$6763 \div 79 = 85 \text{ remainder } 48$$

$$\begin{array}{r}
 85 \\
 79 \overline{) 6763} \\
 \underline{632} \\
 443 \\
 \underline{395}
 \end{array}$$

48 ← remainder

P₈₇₂ 6779

$$6779 \div 2 = 3389 \text{ remainder } 1$$

$$\begin{array}{r} 3389 \\ 2 \mid 6779 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6779 \div 3 = 2259 \text{ remainder } 2$$

$$\begin{array}{r} 2259 \\ 3 \mid 6779 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6779 \div 5 = 1355 \text{ remainder } 4$$

$$\begin{array}{r} 1355 \\ 5 \mid 6779 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
27
25
--
29
25
--
4 ← remainder

```

$$6779 \div 7 = 968 \text{ remainder } 3$$

```

    968
7 | 6779
   63
   --
   47
   42
   --
   59
   56
   --
   3 ← remainder

```

$$6779 \div 11 = 616 \text{ remainder } 3$$

```

    616
11 | 6779
   66
   --
   17
   11
   --
   69
   66
   --
   3 ← remainder

```

$$6779 \div 13 = 521 \text{ remainder } 6$$

```

    521
13 | 6779
   65

```



```

--
27
26
--
19
13
--
6 ← remainder

```

$$6779 \div 17 = 398 \text{ remainder } 13$$

```

      398
17 | 6779
    51
    --
    167
    153
    ---
    149
    136
    ---
    13 ← remainder

```

$$6779 \div 19 = 356 \text{ remainder } 15$$

```

      356
19 | 6779
    57
    --
    107
    95
    --
    129
    114
    ---
    15 ← remainder

```

$$6779 \div 23 = 294 \text{ remainder } 17$$

```

      294
23 | 6779
    46
    --
    217

```

```

207
---
109
92
--
17 ← remainder

```

$$6779 \div 29 = 233 \text{ remainder } 22$$

```

      233
29 | 6779
    58
    --
    97
    87
    --
    109
    87
    --
    22 ← remainder

```

$$6779 \div 31 = 218 \text{ remainder } 21$$

```

      218
31 | 6779
    62
    --
    57
    31
    --
    269
    248
    ---
    21 ← remainder

```

$$6779 \div 37 = 183 \text{ remainder } 8$$

```

      183
37 | 6779
    37
    --
    307
    296
    ---

```

```

119
111
---
8 ← remainder

```

$$6779 \div 41 = 165 \text{ remainder } 14$$

```

165
41 | 6779
   41
   --
   267
   246
   ---
   219
   205
   ---
   14 ← remainder

```

$$6779 \div 43 = 157 \text{ remainder } 28$$

```

157
43 | 6779
   43
   --
   247
   215
   ---
   329
   301
   ---
   28 ← remainder

```

$$6779 \div 47 = 144 \text{ remainder } 11$$

```

144
47 | 6779
   47
   --
   207
   188
   ---
   199
   188

```

11 ← remainder

$$6779 \div 53 = 127 \text{ remainder } 48$$

```
      127
53 | 6779
    53
    --
    147
    106
    ---
    419
    371
    ---
    48 ← remainder
```

$$6779 \div 59 = 114 \text{ remainder } 53$$

```
      114
59 | 6779
    59
    --
    87
    59
    --
    289
    236
    ---
    53 ← remainder
```

$$6779 \div 61 = 111 \text{ remainder } 8$$

```
      111
61 | 6779
    61
    --
    67
    61
    --
    69
    61
    --
    8 ← remainder
```

$$6779 \div 67 = 101 \text{ remainder } 12$$

$$\begin{array}{r} 101 \\ 67 \overline{) 6779} \\ \underline{67} \\ -- \\ 7 \\ 0 \\ - \\ 79 \\ \underline{67} \\ -- \\ 12 \leftarrow \text{remainder} \end{array}$$

$$6779 \div 71 = 95 \text{ remainder } 34$$

$$\begin{array}{r} 95 \\ 71 \overline{) 6779} \\ \underline{639} \\ --- \\ 389 \\ \underline{355} \\ --- \\ 34 \leftarrow \text{remainder} \end{array}$$

$$6779 \div 73 = 92 \text{ remainder } 63$$

$$\begin{array}{r} 92 \\ 73 \overline{) 6779} \\ \underline{657} \\ --- \\ 209 \\ \underline{146} \\ --- \\ 63 \leftarrow \text{remainder} \end{array}$$

$$6779 \div 79 = 85 \text{ remainder } 64$$

$$\begin{array}{r} 85 \\ 79 \overline{) 6779} \\ \underline{632} \\ --- \\ 459 \\ \underline{395} \end{array}$$

64 ← remainder

P₈₇₃ 6781

$$6781 \div 2 = 3390 \text{ remainder } 1$$

$$\begin{array}{r} 3390 \\ 2 \mid 6781 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6781 \div 3 = 2260 \text{ remainder } 1$$

$$\begin{array}{r} 2260 \\ 3 \mid 6781 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6781 \div 5 = 1356 \text{ remainder } 1$$

$$\begin{array}{r} 1356 \\ 5 \mid 6781 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
28
25
--
31
30
--
1 ← remainder

```

$$6781 \div 7 = 968 \text{ remainder } 5$$

```

  968
7 | 6781
  63
  --
   48
   42
   --
   61
   56
   --
   5 ← remainder

```

$$6781 \div 11 = 616 \text{ remainder } 5$$

```

  616
11 | 6781
   66
   --
   18
   11
   --
   71
   66
   --
   5 ← remainder

```

$$6781 \div 13 = 521 \text{ remainder } 8$$

```

  521
13 | 6781
   65

```



```

--
28
26
--
21
13
--
8 ← remainder

```

$$6781 \div 17 = 398 \text{ remainder } 15$$

```

      398
17 | 6781
    51
    --
    168
    153
    ---
    151
    136
    ---
    15 ← remainder

```

$$6781 \div 19 = 356 \text{ remainder } 17$$

```

      356
19 | 6781
    57
    --
    108
    95
    --
    131
    114
    ---
    17 ← remainder

```

$$6781 \div 23 = 294 \text{ remainder } 19$$

```

      294
23 | 6781
    46
    --
    218

```

```

207
---
111
92
--
19 ← remainder

```

$$6781 \div 29 = 233 \text{ remainder } 24$$

```

      233
29 | 6781
    58
    --
    98
    87
    --
    111
    87
    --
    24 ← remainder

```

$$6781 \div 31 = 218 \text{ remainder } 23$$

```

      218
31 | 6781
    62
    --
    58
    31
    --
    271
    248
    ---
    23 ← remainder

```

$$6781 \div 37 = 183 \text{ remainder } 10$$

```

      183
37 | 6781
    37
    --
    308
    296
    ---

```

```

121
111
---
10 ← remainder

```

$$6781 \div 41 = 165 \text{ remainder } 16$$

```

      165
41 | 6781
    41
    --
    268
    246
    ---
    221
    205
    ---
    16 ← remainder

```

$$6781 \div 43 = 157 \text{ remainder } 30$$

```

      157
43 | 6781
    43
    --
    248
    215
    ---
    331
    301
    ---
    30 ← remainder

```

$$6781 \div 47 = 144 \text{ remainder } 13$$

```

      144
47 | 6781
    47
    --
    208
    188
    ---
    201
    188

```

13 ← remainder

$$6781 \div 53 = 127 \text{ remainder } 50$$

```
      127
53 | 6781
    53
    --
    148
    106
    ---
    421
    371
    ---
    50 ← remainder
```

$$6781 \div 59 = 114 \text{ remainder } 55$$

```
      114
59 | 6781
    59
    --
    88
    59
    --
    291
    236
    ---
    55 ← remainder
```

$$6781 \div 61 = 111 \text{ remainder } 10$$

```
      111
61 | 6781
    61
    --
    68
    61
    --
    71
    61
    --
    10 ← remainder
```

$$6781 \div 67 = 101 \text{ remainder } 14$$

$$\begin{array}{r}
 101 \\
 67 \overline{) 6781} \\
 \underline{67} \\
 8 \\
 \underline{0} \\
 81 \\
 \underline{67} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$6781 \div 71 = 95 \text{ remainder } 36$$

$$\begin{array}{r}
 95 \\
 71 \overline{) 6781} \\
 \underline{639} \\
 391 \\
 \underline{355} \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$6781 \div 73 = 92 \text{ remainder } 65$$

$$\begin{array}{r}
 92 \\
 73 \overline{) 6781} \\
 \underline{657} \\
 211 \\
 \underline{146} \\
 65 \leftarrow \text{remainder}
 \end{array}$$

$$6781 \div 79 = 85 \text{ remainder } 66$$

$$\begin{array}{r}
 85 \\
 79 \overline{) 6781} \\
 \underline{632} \\
 461 \\
 \underline{395}
 \end{array}$$

66 ← remainder

P₈₇₄ 6791

$$6791 \div 2 = 3395 \text{ remainder } 1$$

$$\begin{array}{r} 3395 \\ 2 \mid 6791 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6791 \div 3 = 2263 \text{ remainder } 2$$

$$\begin{array}{r} 2263 \\ 3 \mid 6791 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6791 \div 5 = 1358 \text{ remainder } 1$$

$$\begin{array}{r} 1358 \\ 5 \mid 6791 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
29
25
--
41
40
--
1 ← remainder

```

$$6791 \div 7 = 970 \text{ remainder } 1$$

```

  970
7 | 6791
  63
  --
  49
  49
  --
   1
   0
   -
   1 ← remainder

```

$$6791 \div 11 = 617 \text{ remainder } 4$$

```

  617
11 | 6791
   66
   --
   19
   11
   --
   81
   77
   --
   4 ← remainder

```

$$6791 \div 13 = 522 \text{ remainder } 5$$

```

  522
13 | 6791
   65

```



```

--
29
26
--
31
26
--
5 ← remainder

```

$$6791 \div 17 = 399 \text{ remainder } 8$$

```

399
17 | 6791
   51
   --
   169
   153
   ---
   161
   153
   ---
   8 ← remainder

```

$$6791 \div 19 = 357 \text{ remainder } 8$$

```

357
19 | 6791
   57
   --
   109
   95
   --
   141
   133
   ---
   8 ← remainder

```

$$6791 \div 23 = 295 \text{ remainder } 6$$

```

295
23 | 6791
   46
   --
   219

```

```

207
---
121
115
---
6 ← remainder

```

$$6791 \div 29 = 234 \text{ remainder } 5$$

```

      234
29 | 6791
    58
    --
    99
    87
    --
    121
    116
    ---
    5 ← remainder

```

$$6791 \div 31 = 219 \text{ remainder } 2$$

```

      219
31 | 6791
    62
    --
    59
    31
    --
    281
    279
    ---
    2 ← remainder

```

$$6791 \div 37 = 183 \text{ remainder } 20$$

```

      183
37 | 6791
    37
    --
    309
    296
    ---

```

```

131
111
---
20 ← remainder

```

$$6791 \div 41 = 165 \text{ remainder } 26$$

```

165
41 | 6791
   41
   --
   269
   246
   ---
   231
   205
   ---
   26 ← remainder

```

$$6791 \div 43 = 157 \text{ remainder } 40$$

```

157
43 | 6791
   43
   --
   249
   215
   ---
   341
   301
   ---
   40 ← remainder

```

$$6791 \div 47 = 144 \text{ remainder } 23$$

```

144
47 | 6791
   47
   --
   209
   188
   ---
   211
   188

```

23 ← remainder

$$6791 \div 53 = 128 \text{ remainder } 7$$

128
53 | 6791
53
--
149
106

431
424

7 ← remainder

$$6791 \div 59 = 115 \text{ remainder } 6$$

115
59 | 6791
59
--
89
59
--
301
295

6 ← remainder

$$6791 \div 61 = 111 \text{ remainder } 20$$

111
61 | 6791
61
--
69
61
--
81
61
--
20 ← remainder

$$6791 \div 67 = 101 \text{ remainder } 24$$

$$\begin{array}{r}
 101 \\
 67 \overline{) 6791} \\
 \underline{67} \\
 00 \\
 \underline{00} \\
 00 \\
 \underline{00} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$6791 \div 71 = 95 \text{ remainder } 46$$

$$\begin{array}{r}
 95 \\
 71 \overline{) 6791} \\
 \underline{639} \\
 401 \\
 \underline{355} \\
 46 \leftarrow \text{remainder}
 \end{array}$$

$$6791 \div 73 = 93 \text{ remainder } 2$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6791} \\
 \underline{657} \\
 221 \\
 \underline{219} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$6791 \div 79 = 85 \text{ remainder } 76$$

$$\begin{array}{r}
 85 \\
 79 \overline{) 6791} \\
 \underline{632} \\
 471 \\
 \underline{395}
 \end{array}$$

76 ← remainder

P₈₇₅ 6793

$$6793 \div 2 = 3396 \text{ remainder } 1$$

$$\begin{array}{r} 3396 \\ 2 \mid 6793 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6793 \div 3 = 2264 \text{ remainder } 1$$

$$\begin{array}{r} 2264 \\ 3 \mid 6793 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6793 \div 5 = 1358 \text{ remainder } 3$$

$$\begin{array}{r} 1358 \\ 5 \mid 6793 \\ \underline{5} \\ - \end{array}$$

```

17
15
--
29
25
--
43
40
--
3 ← remainder

```

$$6793 \div 7 = 970 \text{ remainder } 3$$

```

  970
7 | 6793
  63
  --
  49
  49
  --
   3
   0
   -
   3 ← remainder

```

$$6793 \div 11 = 617 \text{ remainder } 6$$

```

  617
11 | 6793
   66
   --
   19
   11
   --
   83
   77
   --
   6 ← remainder

```

$$6793 \div 13 = 522 \text{ remainder } 7$$

```

  522
13 | 6793
   65

```



```

--
29
26
--
33
26
--
7 ← remainder

```

$$6793 \div 17 = 399 \text{ remainder } 10$$

```

      399
17 | 6793
    51
    --
    169
    153
    ---
    163
    153
    ---
    10 ← remainder

```

$$6793 \div 19 = 357 \text{ remainder } 10$$

```

      357
19 | 6793
    57
    --
    109
    95
    --
    143
    133
    ---
    10 ← remainder

```

$$6793 \div 23 = 295 \text{ remainder } 8$$

```

      295
23 | 6793
    46
    --
    219

```

```

207
---
123
115
---
8 ← remainder

```

$$6793 \div 29 = 234 \text{ remainder } 7$$

```

      234
29 | 6793
    58
    --
     99
     87
     --
     123
     116
     ---
      7 ← remainder

```

$$6793 \div 31 = 219 \text{ remainder } 4$$

```

      219
31 | 6793
    62
    --
     59
     31
     --
     283
     279
     ---
      4 ← remainder

```

$$6793 \div 37 = 183 \text{ remainder } 22$$

```

      183
37 | 6793
    37
    --
    309
    296
    ---

```

```

133
111
---
22 ← remainder

```

$$6793 \div 41 = 165 \text{ remainder } 28$$

```

      165
41 | 6793
    41
    --
    269
    246
    ---
    233
    205
    ---
    28 ← remainder

```

$$6793 \div 43 = 157 \text{ remainder } 42$$

```

      157
43 | 6793
    43
    --
    249
    215
    ---
    343
    301
    ---
    42 ← remainder

```

$$6793 \div 47 = 144 \text{ remainder } 25$$

```

      144
47 | 6793
    47
    --
    209
    188
    ---
    213
    188

```

25 ← remainder

$$6793 \div 53 = 128 \text{ remainder } 9$$

128
53 | 6793
53
--
149
106

433
424

9 ← remainder

$$6793 \div 59 = 115 \text{ remainder } 8$$

115
59 | 6793
59
--
89
59
--
303
295

8 ← remainder

$$6793 \div 61 = 111 \text{ remainder } 22$$

111
61 | 6793
61
--
69
61
--
83
61
--
22 ← remainder

$$6793 \div 67 = 101 \text{ remainder } 26$$

$$\begin{array}{r}
 101 \\
 67 \overline{) 6793} \\
 \underline{67} \\
 9 \\
 \underline{0} \\
 93 \\
 \underline{67} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

$$6793 \div 71 = 95 \text{ remainder } 48$$

$$\begin{array}{r}
 95 \\
 71 \overline{) 6793} \\
 \underline{639} \\
 403 \\
 \underline{355} \\
 48 \leftarrow \text{remainder}
 \end{array}$$

$$6793 \div 73 = 93 \text{ remainder } 4$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6793} \\
 \underline{657} \\
 223 \\
 \underline{219} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$6793 \div 79 = 85 \text{ remainder } 78$$

$$\begin{array}{r}
 85 \\
 79 \overline{) 6793} \\
 \underline{632} \\
 473 \\
 \underline{395}
 \end{array}$$

78 ← remainder

P₈₇₆ 6803

$$6803 \div 2 = 3401 \text{ remainder } 1$$

$$\begin{array}{r} 3401 \\ 2 \mid 6803 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6803 \div 3 = 2267 \text{ remainder } 2$$

$$\begin{array}{r} 2267 \\ 3 \mid 6803 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 20 \\ \underline{18} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6803 \div 5 = 1360 \text{ remainder } 3$$

$$\begin{array}{r} 1360 \\ 5 \mid 6803 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
30
30
--
3
0
-
3 ← remainder

```

$$6803 \div 7 = 971 \text{ remainder } 6$$

```

  971
7 | 6803
  63
  --
  50
  49
  --
  13
  7
  -
  6 ← remainder

```

$$6803 \div 11 = 618 \text{ remainder } 5$$

```

  618
11 | 6803
   66
   --
   20
   11
   --
   93
   88
   --
   5 ← remainder

```

$$6803 \div 13 = 523 \text{ remainder } 4$$

```

  523
13 | 6803
   65

```



```

--
30
26
--
43
39
--
4 ← remainder

```

$$6803 \div 17 = 400 \text{ remainder } 3$$

```

400
17 | 6803
   68
   --
   0
   0
   -
   3
   0
   -
   3 ← remainder

```

$$6803 \div 19 = 358 \text{ remainder } 1$$

```

358
19 | 6803
   57
   --
  110
   95
   --
  153
  152
  ---
   1 ← remainder

```

$$6803 \div 23 = 295 \text{ remainder } 18$$

```

295
23 | 6803
   46
   --
  220

```

```

207
---
133
115
---
18 ← remainder

```

$$6803 \div 29 = 234 \text{ remainder } 17$$

```

      234
29 | 6803
    58
    --
    100
    87
    --
    133
    116
    ---
    17 ← remainder

```

$$6803 \div 31 = 219 \text{ remainder } 14$$

```

      219
31 | 6803
    62
    --
    60
    31
    --
    293
    279
    ---
    14 ← remainder

```

$$6803 \div 37 = 183 \text{ remainder } 32$$

```

      183
37 | 6803
    37
    --
    310
    296
    ---

```

```

143
111
---
32 ← remainder

```

$$6803 \div 41 = 165 \text{ remainder } 38$$

```

      165
41 | 6803
    41
    --
    270
    246
    ---
    243
    205
    ---
    38 ← remainder

```

$$6803 \div 43 = 158 \text{ remainder } 9$$

```

      158
43 | 6803
    43
    --
    250
    215
    ---
    353
    344
    ---
    9 ← remainder

```

$$6803 \div 47 = 144 \text{ remainder } 35$$

```

      144
47 | 6803
    47
    --
    210
    188
    ---
    223
    188

```

35 ← remainder

$$6803 \div 53 = 128 \text{ remainder } 19$$

```
      128
53 | 6803
    53
    --
    150
    106
    ---
    443
    424
    ---
    19 ← remainder
```

$$6803 \div 59 = 115 \text{ remainder } 18$$

```
      115
59 | 6803
    59
    --
    90
    59
    --
    313
    295
    ---
    18 ← remainder
```

$$6803 \div 61 = 111 \text{ remainder } 32$$

```
      111
61 | 6803
    61
    --
    70
    61
    --
    93
    61
    --
    32 ← remainder
```

$$6803 \div 67 = 101 \text{ remainder } 36$$

$$\begin{array}{r}
 101 \\
 67 \overline{) 6803} \\
 \underline{67} \\
 10 \\
 \underline{0} \\
 103 \\
 \underline{67} \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$6803 \div 71 = 95 \text{ remainder } 58$$

$$\begin{array}{r}
 95 \\
 71 \overline{) 6803} \\
 \underline{639} \\
 413 \\
 \underline{355} \\
 58 \leftarrow \text{remainder}
 \end{array}$$

$$6803 \div 73 = 93 \text{ remainder } 14$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6803} \\
 \underline{657} \\
 233 \\
 \underline{219} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$6803 \div 79 = 86 \text{ remainder } 9$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6803} \\
 \underline{632} \\
 483 \\
 \underline{474} \\
 9
 \end{array}$$

9 ← remainder

P₈₇₇ 6823

$$6823 \div 2 = 3411 \text{ remainder } 1$$

$$\begin{array}{r} 3411 \\ 2 \mid 6823 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6823 \div 3 = 2274 \text{ remainder } 1$$

$$\begin{array}{r} 2274 \\ 3 \mid 6823 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6823 \div 5 = 1364 \text{ remainder } 3$$

$$\begin{array}{r} 1364 \\ 5 \mid 6823 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
32
30
--
23
20
--
3 ← remainder

```

$$6823 \div 7 = 974 \text{ remainder } 5$$

```

  974
7 | 6823
  63
  --
  52
  49
  --
  33
  28
  --
  5 ← remainder

```

$$6823 \div 11 = 620 \text{ remainder } 3$$

```

  620
11 | 6823
   66
   --
   22
   22
   --
   3
   0
   -
   3 ← remainder

```

$$6823 \div 13 = 524 \text{ remainder } 11$$

```

  524
13 | 6823
   65

```



```

--
32
26
--
63
52
--
11 ← remainder

```

$$6823 \div 17 = 401 \text{ remainder } 6$$

```

      401
17 | 6823
    68
    --
     2
     0
     -
    23
    17
    --
     6 ← remainder

```

$$6823 \div 19 = 359 \text{ remainder } 2$$

```

      359
19 | 6823
    57
    --
    112
    95
    --
    173
    171
    ---
     2 ← remainder

```

$$6823 \div 23 = 296 \text{ remainder } 15$$

```

      296
23 | 6823
    46
    --
    222

```

```

207
---
153
138
---
15 ← remainder

```

$$6823 \div 29 = 235 \text{ remainder } 8$$

```

      235
29 | 6823
    58
    --
    102
    87
    --
    153
    145
    ---
    8 ← remainder

```

$$6823 \div 31 = 220 \text{ remainder } 3$$

```

      220
31 | 6823
    62
    --
    62
    62
    --
    3
    0
    -
    3 ← remainder

```

$$6823 \div 37 = 184 \text{ remainder } 15$$

```

      184
37 | 6823
    37
    --
    312
    296
    ---

```

```

163
148
---
15 ← remainder

```

$$6823 \div 41 = 166 \text{ remainder } 17$$

```

      166
41 | 6823
    41
    --
    272
    246
    ---
    263
    246
    ---
    17 ← remainder

```

$$6823 \div 43 = 158 \text{ remainder } 29$$

```

      158
43 | 6823
    43
    --
    252
    215
    ---
    373
    344
    ---
    29 ← remainder

```

$$6823 \div 47 = 145 \text{ remainder } 8$$

```

      145
47 | 6823
    47
    --
    212
    188
    ---
    243
    235

```

8 ← remainder

$$6823 \div 53 = 128 \text{ remainder } 39$$

```
      128
53 | 6823
    53
    --
    152
    106
    ---
    463
    424
    ---
    39 ← remainder
```

$$6823 \div 59 = 115 \text{ remainder } 38$$

```
      115
59 | 6823
    59
    --
    92
    59
    --
    333
    295
    ---
    38 ← remainder
```

$$6823 \div 61 = 111 \text{ remainder } 52$$

```
      111
61 | 6823
    61
    --
    72
    61
    --
    113
    61
    --
    52 ← remainder
```

$$6823 \div 67 = 101 \text{ remainder } 56$$

$$\begin{array}{r}
 101 \\
 67 \overline{) 6823} \\
 \underline{67} \\
 12 \\
 \underline{0} \\
 123 \\
 \underline{67} \\
 56 \leftarrow \text{remainder}
 \end{array}$$

$$6823 \div 71 = 96 \text{ remainder } 7$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6823} \\
 \underline{639} \\
 433 \\
 \underline{426} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$6823 \div 73 = 93 \text{ remainder } 34$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6823} \\
 \underline{657} \\
 253 \\
 \underline{219} \\
 34 \leftarrow \text{remainder}
 \end{array}$$

$$6823 \div 79 = 86 \text{ remainder } 29$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6823} \\
 \underline{632} \\
 503 \\
 \underline{474}
 \end{array}$$

29 ← remainder

P₈₇₈ 6827

$$6827 \div 2 = 3413 \text{ remainder } 1$$

$$\begin{array}{r} 3413 \\ 2 \overline{) 6827} \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 2 \\ \underline{2} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6827 \div 3 = 2275 \text{ remainder } 2$$

$$\begin{array}{r} 2275 \\ 3 \overline{) 6827} \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6827 \div 5 = 1365 \text{ remainder } 2$$

$$\begin{array}{r} 1365 \\ 5 \overline{) 6827} \\ \underline{5} \\ - \end{array}$$

```

18
15
--
32
30
--
27
25
--
2 ← remainder

```

$$6827 \div 7 = 975 \text{ remainder } 2$$

```

  975
7 | 6827
  63
  --
  52
  49
  --
  37
  35
  --
  2 ← remainder

```

$$6827 \div 11 = 620 \text{ remainder } 7$$

```

  620
11 | 6827
   66
   --
   22
   22
   --
   7
   0
   -
   7 ← remainder

```

$$6827 \div 13 = 525 \text{ remainder } 2$$

```

  525
13 | 6827
   65

```



```

--
32
26
--
67
65
--
2 ← remainder

```

$$6827 \div 17 = 401 \text{ remainder } 10$$

```

      401
17 | 6827
    68
    --
     2
     0
     -
    27
    17
    --
    10 ← remainder

```

$$6827 \div 19 = 359 \text{ remainder } 6$$

```

      359
19 | 6827
    57
    --
    112
    95
    --
    177
    171
    ---
     6 ← remainder

```

$$6827 \div 23 = 296 \text{ remainder } 19$$

```

      296
23 | 6827
    46
    --
    222

```

```

207
---
157
138
---
19 ← remainder

```

$$6827 \div 29 = 235 \text{ remainder } 12$$

```

      235
29 | 6827
    58
    --
    102
    87
    --
    157
    145
    ---
    12 ← remainder

```

$$6827 \div 31 = 220 \text{ remainder } 7$$

```

      220
31 | 6827
    62
    --
    62
    62
    --
    7
    0
    -
    7 ← remainder

```

$$6827 \div 37 = 184 \text{ remainder } 19$$

```

      184
37 | 6827
    37
    --
    312
    296
    ---

```

```

167
148
---
19 ← remainder

```

$$6827 \div 41 = 166 \text{ remainder } 21$$

```

      166
41 | 6827
    41
    --
    272
    246
    ---
    267
    246
    ---
    21 ← remainder

```

$$6827 \div 43 = 158 \text{ remainder } 33$$

```

      158
43 | 6827
    43
    --
    252
    215
    ---
    377
    344
    ---
    33 ← remainder

```

$$6827 \div 47 = 145 \text{ remainder } 12$$

```

      145
47 | 6827
    47
    --
    212
    188
    ---
    247
    235

```

12 ← remainder

$$6827 \div 53 = 128 \text{ remainder } 43$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6827} \\ \underline{53} \end{array}$$

--

152

106

467

424

43 ← remainder

$$6827 \div 59 = 115 \text{ remainder } 42$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6827} \\ \underline{59} \end{array}$$

--

92

59

--

337

295

42 ← remainder

$$6827 \div 61 = 111 \text{ remainder } 56$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6827} \\ \underline{61} \end{array}$$

--

72

61

--

117

61

--

56 ← remainder

$$6827 \div 67 = 101 \text{ remainder } 60$$

$$\begin{array}{r}
 101 \\
 67 \overline{) 6827} \\
 \underline{67} \\
 12 \\
 \underline{0} \\
 127 \\
 \underline{67} \\
 60 \leftarrow \text{remainder}
 \end{array}$$

$$6827 \div 71 = 96 \text{ remainder } 11$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6827} \\
 \underline{639} \\
 437 \\
 \underline{426} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$6827 \div 73 = 93 \text{ remainder } 38$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6827} \\
 \underline{657} \\
 257 \\
 \underline{219} \\
 38 \leftarrow \text{remainder}
 \end{array}$$

$$6827 \div 79 = 86 \text{ remainder } 33$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6827} \\
 \underline{632} \\
 507 \\
 \underline{474}
 \end{array}$$

33 ← remainder

P₈₇₉ 6829

$$6829 \div 2 = 3414 \text{ remainder } 1$$

$$\begin{array}{r} 3414 \\ 2 \mid 6829 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6829 \div 3 = 2276 \text{ remainder } 1$$

$$\begin{array}{r} 2276 \\ 3 \mid 6829 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 22 \\ \underline{21} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6829 \div 5 = 1365 \text{ remainder } 4$$

$$\begin{array}{r} 1365 \\ 5 \mid 6829 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
32
30
--
29
25
--
4 ← remainder

```

$$6829 \div 7 = 975 \text{ remainder } 4$$

```

  975
7 | 6829
  63
  --
  52
  49
  --
  39
  35
  --
  4 ← remainder

```

$$6829 \div 11 = 620 \text{ remainder } 9$$

```

  620
11 | 6829
   66
   --
   22
   22
   --
   9
   0
   -
   9 ← remainder

```

$$6829 \div 13 = 525 \text{ remainder } 4$$

```

  525
13 | 6829
   65

```



```

--
32
26
--
69
65
--
4 ← remainder

```

$$6829 \div 17 = 401 \text{ remainder } 12$$

```

      401
17 | 6829
    68
    --
     2
     0
     -
    29
    17
    --
    12 ← remainder

```

$$6829 \div 19 = 359 \text{ remainder } 8$$

```

      359
19 | 6829
    57
    --
    112
    95
    --
    179
    171
    ---
     8 ← remainder

```

$$6829 \div 23 = 296 \text{ remainder } 21$$

```

      296
23 | 6829
    46
    --
    222

```

```

207
---
159
138
---
21 ← remainder

```

$$6829 \div 29 = 235 \text{ remainder } 14$$

```

      235
29 | 6829
    58
    --
    102
    87
    --
    159
    145
    ---
    14 ← remainder

```

$$6829 \div 31 = 220 \text{ remainder } 9$$

```

      220
31 | 6829
    62
    --
    62
    62
    --
    9
    0
    -
    9 ← remainder

```

$$6829 \div 37 = 184 \text{ remainder } 21$$

```

      184
37 | 6829
    37
    --
    312
    296
    ---

```

```

169
148
---
21 ← remainder

```

$$6829 \div 41 = 166 \text{ remainder } 23$$

```

166
41 | 6829
   41
   --
   272
   246
   ---
   269
   246
   ---
   23 ← remainder

```

$$6829 \div 43 = 158 \text{ remainder } 35$$

```

158
43 | 6829
   43
   --
   252
   215
   ---
   379
   344
   ---
   35 ← remainder

```

$$6829 \div 47 = 145 \text{ remainder } 14$$

```

145
47 | 6829
   47
   --
   212
   188
   ---
   249
   235

```

14 ← remainder

$$6829 \div 53 = 128 \text{ remainder } 45$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6829} \\ \underline{53} \end{array}$$

--

152

106

469

424

45 ← remainder

$$6829 \div 59 = 115 \text{ remainder } 44$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6829} \\ \underline{59} \end{array}$$

--

92

59

--

339

295

44 ← remainder

$$6829 \div 61 = 111 \text{ remainder } 58$$

$$\begin{array}{r} 111 \\ 61 \overline{) 6829} \\ \underline{61} \end{array}$$

--

72

61

--

119

61

--

58 ← remainder

$$6829 \div 67 = 101 \text{ remainder } 62$$

$$\begin{array}{r}
 101 \\
 67 \overline{) 6829} \\
 \underline{67} \\
 12 \\
 \underline{0} \\
 129 \\
 \underline{67} \\
 62 \leftarrow \text{remainder}
 \end{array}$$

$$6829 \div 71 = 96 \text{ remainder } 13$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6829} \\
 \underline{639} \\
 439 \\
 \underline{426} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$6829 \div 73 = 93 \text{ remainder } 40$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6829} \\
 \underline{657} \\
 259 \\
 \underline{219} \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$6829 \div 79 = 86 \text{ remainder } 35$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6829} \\
 \underline{632} \\
 509 \\
 \underline{474}
 \end{array}$$

35 ← remainder

P₈₈₀ 6833

$$6833 \div 2 = 3416 \text{ remainder } 1$$

$$\begin{array}{r} 3416 \\ 2 \mid 6833 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6833 \div 3 = 2277 \text{ remainder } 2$$

$$\begin{array}{r} 2277 \\ 3 \mid 6833 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6833 \div 5 = 1366 \text{ remainder } 3$$

$$\begin{array}{r} 1366 \\ 5 \mid 6833 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
33
30
--
33
30
--
3 ← remainder

```

$$6833 \div 7 = 976 \text{ remainder } 1$$

```

  976
7 | 6833
  63
  --
  53
  49
  --
  43
  42
  --
  1 ← remainder

```

$$6833 \div 11 = 621 \text{ remainder } 2$$

```

  621
11 | 6833
   66
   --
   23
   22
   --
   13
   11
   --
   2 ← remainder

```

$$6833 \div 13 = 525 \text{ remainder } 8$$

```

  525
13 | 6833
   65

```



```

--
33
26
--
73
65
--
8 ← remainder

```

$$6833 \div 17 = 401 \text{ remainder } 16$$

```

401
17 | 6833
   68
   --
    3
    0
    -
    33
    17
    --
    16 ← remainder

```

$$6833 \div 19 = 359 \text{ remainder } 12$$

```

359
19 | 6833
   57
   --
   113
   95
   --
   183
   171
   ---
   12 ← remainder

```

$$6833 \div 23 = 297 \text{ remainder } 2$$

```

297
23 | 6833
   46
   --
   223

```

```

207
---
163
161
---
2 ← remainder

```

$$6833 \div 29 = 235 \text{ remainder } 18$$

```

      235
29 | 6833
    58
    --
    103
    87
    --
    163
    145
    ---
    18 ← remainder

```

$$6833 \div 31 = 220 \text{ remainder } 13$$

```

      220
31 | 6833
    62
    --
    63
    62
    --
    13
    0
    -
    13 ← remainder

```

$$6833 \div 37 = 184 \text{ remainder } 25$$

```

      184
37 | 6833
    37
    --
    313
    296
    ---

```

```

173
148
---
25 ← remainder

```

$$6833 \div 41 = 166 \text{ remainder } 27$$

```

      166
41 | 6833
    41
    --
    273
    246
    ---
    273
    246
    ---
    27 ← remainder

```

$$6833 \div 43 = 158 \text{ remainder } 39$$

```

      158
43 | 6833
    43
    --
    253
    215
    ---
    383
    344
    ---
    39 ← remainder

```

$$6833 \div 47 = 145 \text{ remainder } 18$$

```

      145
47 | 6833
    47
    --
    213
    188
    ---
    253
    235

```

18 ← remainder

$$6833 \div 53 = 128 \text{ remainder } 49$$

$$\begin{array}{r} 128 \\ 53 \overline{) 6833} \\ \underline{53} \end{array}$$

--

153

106

473

424

49 ← remainder

$$6833 \div 59 = 115 \text{ remainder } 48$$

$$\begin{array}{r} 115 \\ 59 \overline{) 6833} \\ \underline{59} \end{array}$$

--

93

59

--

343

295

48 ← remainder

$$6833 \div 61 = 112 \text{ remainder } 1$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6833} \\ \underline{61} \end{array}$$

--

73

61

--

123

122

1 ← remainder

$$6833 \div 67 = 101 \text{ remainder } 66$$

$$\begin{array}{r}
 101 \\
 67 \overline{) 6833} \\
 \underline{67} \\
 -- \\
 13 \\
 \underline{0} \\
 - \\
 133 \\
 \underline{67} \\
 -- \\
 66 \leftarrow \text{remainder}
 \end{array}$$

$$6833 \div 71 = 96 \text{ remainder } 17$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6833} \\
 \underline{639} \\
 --- \\
 443 \\
 \underline{426} \\
 --- \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$6833 \div 73 = 93 \text{ remainder } 44$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6833} \\
 \underline{657} \\
 --- \\
 263 \\
 \underline{219} \\
 --- \\
 44 \leftarrow \text{remainder}
 \end{array}$$

$$6833 \div 79 = 86 \text{ remainder } 39$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6833} \\
 \underline{632} \\
 --- \\
 513 \\
 \underline{474}
 \end{array}$$

39 ← remainder

P₈₈₁ 6841

$$6841 \div 2 = 3420 \text{ remainder } 1$$

$$\begin{array}{r} 3420 \\ 2 \mid 6841 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6841 \div 3 = 2280 \text{ remainder } 1$$

$$\begin{array}{r} 2280 \\ 3 \mid 6841 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 24 \\ \underline{24} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6841 \div 5 = 1368 \text{ remainder } 1$$

$$\begin{array}{r} 1368 \\ 5 \mid 6841 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
34
30
--
41
40
--
1 ← remainder

```

$$6841 \div 7 = 977 \text{ remainder } 2$$

```

  977
7 | 6841
  63
  --
  54
  49
  --
  51
  49
  --
  2 ← remainder

```

$$6841 \div 11 = 621 \text{ remainder } 10$$

```

  621
11 | 6841
   66
   --
   24
   22
   --
   21
   11
   --
  10 ← remainder

```

$$6841 \div 13 = 526 \text{ remainder } 3$$

```

  526
13 | 6841
   65

```



```

--
34
26
--
81
78
--
3 ← remainder

```

$$6841 \div 17 = 402 \text{ remainder } 7$$

```

402
17 | 6841
   68
   --
    4
    0
    -
    41
    34
    --
    7 ← remainder

```

$$6841 \div 19 = 360 \text{ remainder } 1$$

```

360
19 | 6841
   57
   --
  114
  114
  ---
   1
   0
   -
   1 ← remainder

```

$$6841 \div 23 = 297 \text{ remainder } 10$$

```

297
23 | 6841
   46
   --
  224

```

```

207
---
171
161
---
10 ← remainder

```

$$6841 \div 29 = 235 \text{ remainder } 26$$

```

      235
29 | 6841
    58
    --
    104
    87
    --
    171
    145
    ---
    26 ← remainder

```

$$6841 \div 31 = 220 \text{ remainder } 21$$

```

      220
31 | 6841
    62
    --
    64
    62
    --
    21
    0
    -
    21 ← remainder

```

$$6841 \div 37 = 184 \text{ remainder } 33$$

```

      184
37 | 6841
    37
    --
    314
    296
    ---

```

```

181
148
---
33 ← remainder

```

$$6841 \div 41 = 166 \text{ remainder } 35$$

```

166
41 | 6841
   41
   --
   274
   246
   ---
   281
   246
   ---
   35 ← remainder

```

$$6841 \div 43 = 159 \text{ remainder } 4$$

```

159
43 | 6841
   43
   --
   254
   215
   ---
   391
   387
   ---
   4 ← remainder

```

$$6841 \div 47 = 145 \text{ remainder } 26$$

```

145
47 | 6841
   47
   --
   214
   188
   ---
   261
   235

```

26 ← remainder

$$6841 \div 53 = 129 \text{ remainder } 4$$

129
53 | 6841
53
--
154
106

481
477

4 ← remainder

$$6841 \div 59 = 115 \text{ remainder } 56$$

115
59 | 6841
59
--
94
59
--
351
295

56 ← remainder

$$6841 \div 61 = 112 \text{ remainder } 9$$

112
61 | 6841
61
--
74
61
--
131
122

9 ← remainder

$$6841 \div 67 = 102 \text{ remainder } 7$$

$$\begin{array}{r}
 102 \\
 67 \overline{) 6841} \\
 \underline{67} \\
 -- \\
 14 \\
 \underline{0} \\
 - \\
 141 \\
 \underline{134} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$6841 \div 71 = 96 \text{ remainder } 25$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6841} \\
 \underline{639} \\
 --- \\
 451 \\
 \underline{426} \\
 --- \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$6841 \div 73 = 93 \text{ remainder } 52$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6841} \\
 \underline{657} \\
 --- \\
 271 \\
 \underline{219} \\
 --- \\
 52 \leftarrow \text{remainder}
 \end{array}$$

$$6841 \div 79 = 86 \text{ remainder } 47$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6841} \\
 \underline{632} \\
 --- \\
 521 \\
 \underline{474} \\

 \end{array}$$

47 ← remainder

P₈₈₂ 6857

$$6857 \div 2 = 3428 \text{ remainder } 1$$

$$\begin{array}{r} 3428 \\ 2 \mid 6857 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6857 \div 3 = 2285 \text{ remainder } 2$$

$$\begin{array}{r} 2285 \\ 3 \mid 6857 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 25 \\ \underline{24} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6857 \div 5 = 1371 \text{ remainder } 2$$

$$\begin{array}{r} 1371 \\ 5 \mid 6857 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
35
35
--
7
5
-
2 ← remainder

```

$$6857 \div 7 = 979 \text{ remainder } 4$$

```

  979
7 | 6857
  63
  --
  55
  49
  --
  67
  63
  --
  4 ← remainder

```

$$6857 \div 11 = 623 \text{ remainder } 4$$

```

  623
11 | 6857
   66
   --
   25
   22
   --
   37
   33
   --
   4 ← remainder

```

$$6857 \div 13 = 527 \text{ remainder } 6$$

```

  527
13 | 6857
   65

```



```

--
35
26
--
97
91
--
6 ← remainder

```

$$6857 \div 17 = 403 \text{ remainder } 6$$

```

      403
17 | 6857
    68
    --
     5
     0
     -
     57
     51
     --
     6 ← remainder

```

$$6857 \div 19 = 360 \text{ remainder } 17$$

```

      360
19 | 6857
    57
    --
    115
    114
    ---
     17
     0
     -
    17 ← remainder

```

$$6857 \div 23 = 298 \text{ remainder } 3$$

```

      298
23 | 6857
    46
    --
    225

```

```

207
---
187
184
---
3 ← remainder

```

$$6857 \div 29 = 236 \text{ remainder } 13$$

```

      236
29 | 6857
    58
    --
    105
    87
    --
    187
    174
    ---
    13 ← remainder

```

$$6857 \div 31 = 221 \text{ remainder } 6$$

```

      221
31 | 6857
    62
    --
    65
    62
    --
    37
    31
    --
    6 ← remainder

```

$$6857 \div 37 = 185 \text{ remainder } 12$$

```

      185
37 | 6857
    37
    --
    315
    296
    ---

```

```

197
185
---
12 ← remainder

```

$$6857 \div 41 = 167 \text{ remainder } 10$$

```

      167
41 | 6857
    41
    --
    275
    246
    ---
    297
    287
    ---
    10 ← remainder

```

$$6857 \div 43 = 159 \text{ remainder } 20$$

```

      159
43 | 6857
    43
    --
    255
    215
    ---
    407
    387
    ---
    20 ← remainder

```

$$6857 \div 47 = 145 \text{ remainder } 42$$

```

      145
47 | 6857
    47
    --
    215
    188
    ---
    277
    235

```

42 ← remainder

$$6857 \div 53 = 129 \text{ remainder } 20$$

129
53 | 6857
53
--
155
106

497
477

20 ← remainder

$$6857 \div 59 = 116 \text{ remainder } 13$$

116
59 | 6857
59
--
95
59
--
367
354

13 ← remainder

$$6857 \div 61 = 112 \text{ remainder } 25$$

112
61 | 6857
61
--
75
61
--
147
122

25 ← remainder

$$6857 \div 67 = 102 \text{ remainder } 23$$

$$\begin{array}{r}
 102 \\
 67 \overline{) 6857} \\
 \underline{67} \\
 -- \\
 15 \\
 \underline{0} \\
 - \\
 157 \\
 \underline{134} \\
 --- \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$6857 \div 71 = 96 \text{ remainder } 41$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6857} \\
 \underline{639} \\
 --- \\
 467 \\
 \underline{426} \\
 --- \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$6857 \div 73 = 93 \text{ remainder } 68$$

$$\begin{array}{r}
 93 \\
 73 \overline{) 6857} \\
 \underline{657} \\
 --- \\
 287 \\
 \underline{219} \\
 --- \\
 68 \leftarrow \text{remainder}
 \end{array}$$

$$6857 \div 79 = 86 \text{ remainder } 63$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6857} \\
 \underline{632} \\
 --- \\
 537 \\
 \underline{474} \\

 \end{array}$$

63 ← remainder

P₈₈₃ 6863

$$6863 \div 2 = 3431 \text{ remainder } 1$$

$$\begin{array}{r} 3431 \\ 2 \mid 6863 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 6 \\ \underline{6} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6863 \div 3 = 2287 \text{ remainder } 2$$

$$\begin{array}{r} 2287 \\ 3 \mid 6863 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 26 \\ \underline{24} \\ - \\ 23 \\ \underline{21} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6863 \div 5 = 1372 \text{ remainder } 3$$

$$\begin{array}{r} 1372 \\ 5 \mid 6863 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
36
35
--
13
10
--
3 ← remainder

```

$$6863 \div 7 = 980 \text{ remainder } 3$$

```

  980
7 | 6863
  63
  --
  56
  56
  --
   3
   0
   -
   3 ← remainder

```

$$6863 \div 11 = 623 \text{ remainder } 10$$

```

  623
11 | 6863
   66
   --
   26
   22
   --
   43
   33
   --
  10 ← remainder

```

$$6863 \div 13 = 527 \text{ remainder } 12$$

```

  527
13 | 6863
   65

```



```

--
36
26
--
103
91
--
12 ← remainder

```

$$6863 \div 17 = 403 \text{ remainder } 12$$

```

      403
17 | 6863
    68
    --
     6
     0
     -
     63
     51
     --
     12 ← remainder

```

$$6863 \div 19 = 361 \text{ remainder } 4$$

```

      361
19 | 6863
    57
    --
    116
    114
    ---
     23
     19
     --
     4 ← remainder

```

$$6863 \div 23 = 298 \text{ remainder } 9$$

```

      298
23 | 6863
    46
    --
    226

```

```

207
---
193
184
---
9 ← remainder

```

$$6863 \div 29 = 236 \text{ remainder } 19$$

```

      236
29 | 6863
    58
    --
    106
    87
    --
    193
    174
    ---
    19 ← remainder

```

$$6863 \div 31 = 221 \text{ remainder } 12$$

```

      221
31 | 6863
    62
    --
    66
    62
    --
    43
    31
    --
    12 ← remainder

```

$$6863 \div 37 = 185 \text{ remainder } 18$$

```

      185
37 | 6863
    37
    --
    316
    296
    ---

```

```

203
185
---
18 ← remainder

```

$$6863 \div 41 = 167 \text{ remainder } 16$$

```

      167
41 | 6863
    41
    --
    276
    246
    ---
    303
    287
    ---
    16 ← remainder

```

$$6863 \div 43 = 159 \text{ remainder } 26$$

```

      159
43 | 6863
    43
    --
    256
    215
    ---
    413
    387
    ---
    26 ← remainder

```

$$6863 \div 47 = 146 \text{ remainder } 1$$

```

      146
47 | 6863
    47
    --
    216
    188
    ---
    283
    282

```

1 ← remainder

$$6863 \div 53 = 129 \text{ remainder } 26$$

$$\begin{array}{r} 129 \\ 53 \overline{) 6863} \\ \underline{53} \end{array}$$

--

156

106

503

477

26 ← remainder

$$6863 \div 59 = 116 \text{ remainder } 19$$

$$\begin{array}{r} 116 \\ 59 \overline{) 6863} \\ \underline{59} \end{array}$$

--

96

59

--

373

354

19 ← remainder

$$6863 \div 61 = 112 \text{ remainder } 31$$

$$\begin{array}{r} 112 \\ 61 \overline{) 6863} \\ \underline{61} \end{array}$$

--

76

61

--

153

122

31 ← remainder

$$6863 \div 67 = 102 \text{ remainder } 29$$

$$\begin{array}{r}
 102 \\
 67 \overline{) 6863} \\
 \underline{67} \\
 16 \\
 \underline{0} \\
 163 \\
 \underline{134} \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$6863 \div 71 = 96 \text{ remainder } 47$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6863} \\
 \underline{639} \\
 473 \\
 \underline{426} \\
 47 \leftarrow \text{remainder}
 \end{array}$$

$$6863 \div 73 = 94 \text{ remainder } 1$$

$$\begin{array}{r}
 94 \\
 73 \overline{) 6863} \\
 \underline{657} \\
 293 \\
 \underline{292} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$6863 \div 79 = 86 \text{ remainder } 69$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6863} \\
 \underline{632} \\
 543 \\
 \underline{474}
 \end{array}$$

69 ← remainder

P₈₈₄ 6869

$$6869 \div 2 = 3434 \text{ remainder } 1$$

$$\begin{array}{r} 3434 \\ 2 \mid 6869 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6869 \div 3 = 2289 \text{ remainder } 2$$

$$\begin{array}{r} 2289 \\ 3 \mid 6869 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 26 \\ \underline{24} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6869 \div 5 = 1373 \text{ remainder } 4$$

$$\begin{array}{r} 1373 \\ 5 \mid 6869 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
36
35
--
19
15
--
4 ← remainder

```

$$6869 \div 7 = 981 \text{ remainder } 2$$

```

  981
7 | 6869
  63
  --
  56
  56
  --
   9
   7
   -
   2 ← remainder

```

$$6869 \div 11 = 624 \text{ remainder } 5$$

```

  624
11 | 6869
   66
   --
   26
   22
   --
   49
   44
   --
   5 ← remainder

```

$$6869 \div 13 = 528 \text{ remainder } 5$$

```

  528
13 | 6869
   65

```



```

--
36
26
--
109
104
---
5 ← remainder

```

$$6869 \div 17 = 404 \text{ remainder } 1$$

```

      404
17 | 6869
    68
    --
     6
     0
     -
     69
     68
     --
     1 ← remainder

```

$$6869 \div 19 = 361 \text{ remainder } 10$$

```

      361
19 | 6869
    57
    --
    116
    114
    ---
     29
     19
     --
     10 ← remainder

```

$$6869 \div 23 = 298 \text{ remainder } 15$$

```

      298
23 | 6869
    46
    --
    226

```

```

207
---
199
184
---
15 ← remainder

```

$$6869 \div 29 = 236 \text{ remainder } 25$$

```

      236
29 | 6869
    58
    --
    106
    87
    --
    199
    174
    ---
    25 ← remainder

```

$$6869 \div 31 = 221 \text{ remainder } 18$$

```

      221
31 | 6869
    62
    --
    66
    62
    --
    49
    31
    --
    18 ← remainder

```

$$6869 \div 37 = 185 \text{ remainder } 24$$

```

      185
37 | 6869
    37
    --
    316
    296
    ---

```

```

209
185
---
24 ← remainder

```

$$6869 \div 41 = 167 \text{ remainder } 22$$

```

      167
41 | 6869
    41
    --
    276
    246
    ---
    309
    287
    ---
    22 ← remainder

```

$$6869 \div 43 = 159 \text{ remainder } 32$$

```

      159
43 | 6869
    43
    --
    256
    215
    ---
    419
    387
    ---
    32 ← remainder

```

$$6869 \div 47 = 146 \text{ remainder } 7$$

```

      146
47 | 6869
    47
    --
    216
    188
    ---
    289
    282

```

7 ← remainder

$$6869 \div 53 = 129 \text{ remainder } 32$$

129
53 | 6869
53
--
156
106

509
477

32 ← remainder

$$6869 \div 59 = 116 \text{ remainder } 25$$

116
59 | 6869
59
--
96
59
--
379
354

25 ← remainder

$$6869 \div 61 = 112 \text{ remainder } 37$$

112
61 | 6869
61
--
76
61
--
159
122

37 ← remainder

$$6869 \div 67 = 102 \text{ remainder } 35$$

$$\begin{array}{r} 102 \\ 67 \overline{) 6869} \\ \underline{67} \\ 16 \\ \underline{0} \\ 169 \\ \underline{134} \\ 35 \leftarrow \text{remainder} \end{array}$$

$$6869 \div 71 = 96 \text{ remainder } 53$$

$$\begin{array}{r} 96 \\ 71 \overline{) 6869} \\ \underline{639} \\ 479 \\ \underline{426} \\ 53 \leftarrow \text{remainder} \end{array}$$

$$6869 \div 73 = 94 \text{ remainder } 7$$

$$\begin{array}{r} 94 \\ 73 \overline{) 6869} \\ \underline{657} \\ 299 \\ \underline{292} \\ 7 \leftarrow \text{remainder} \end{array}$$

$$6869 \div 79 = 86 \text{ remainder } 75$$

$$\begin{array}{r} 86 \\ 79 \overline{) 6869} \\ \underline{632} \\ 549 \\ \underline{474} \end{array}$$

75 ← remainder

P₈₈₅ 6871

$$6871 \div 2 = 3435 \text{ remainder } 1$$

$$\begin{array}{r} 3435 \\ 2 \mid 6871 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6871 \div 3 = 2290 \text{ remainder } 1$$

$$\begin{array}{r} 2290 \\ 3 \mid 6871 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 27 \\ \underline{27} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6871 \div 5 = 1374 \text{ remainder } 1$$

$$\begin{array}{r} 1374 \\ 5 \mid 6871 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
37
35
--
21
20
--
1 ← remainder

```

$$6871 \div 7 = 981 \text{ remainder } 4$$

```

  981
7 | 6871
  63
  --
  57
  56
  --
  11
   7
  --
  4 ← remainder

```

$$6871 \div 11 = 624 \text{ remainder } 7$$

```

  624
11 | 6871
   66
   --
   27
   22
   --
   51
   44
   --
   7 ← remainder

```

$$6871 \div 13 = 528 \text{ remainder } 7$$

```

  528
13 | 6871
   65

```



```

--
37
26
--
111
104
---
7 ← remainder

```

$$6871 \div 17 = 404 \text{ remainder } 3$$

```

      404
17 | 6871
    68
    --
     7
     0
     -
     71
     68
     --
      3 ← remainder

```

$$6871 \div 19 = 361 \text{ remainder } 12$$

```

      361
19 | 6871
    57
    --
    117
    114
    ---
     31
     19
     --
     12 ← remainder

```

$$6871 \div 23 = 298 \text{ remainder } 17$$

```

      298
23 | 6871
    46
    --
    227

```

```

207
---
201
184
---
17 ← remainder

```

$$6871 \div 29 = 236 \text{ remainder } 27$$

```

      236
29 | 6871
    58
    --
    107
    87
    --
    201
    174
    ---
    27 ← remainder

```

$$6871 \div 31 = 221 \text{ remainder } 20$$

```

      221
31 | 6871
    62
    --
    67
    62
    --
    51
    31
    --
    20 ← remainder

```

$$6871 \div 37 = 185 \text{ remainder } 26$$

```

      185
37 | 6871
    37
    --
    317
    296
    ---

```

```

211
185
---
26 ← remainder

```

$$6871 \div 41 = 167 \text{ remainder } 24$$

```

      167
41 | 6871
    41
    --
    277
    246
    ---
    311
    287
    ---
    24 ← remainder

```

$$6871 \div 43 = 159 \text{ remainder } 34$$

```

      159
43 | 6871
    43
    --
    257
    215
    ---
    421
    387
    ---
    34 ← remainder

```

$$6871 \div 47 = 146 \text{ remainder } 9$$

```

      146
47 | 6871
    47
    --
    217
    188
    ---
    291
    282

```

9 ← remainder

$$6871 \div 53 = 129 \text{ remainder } 34$$

```
      129
53 | 6871
    53
    --
    157
    106
    ---
    511
    477
    ---
    34 ← remainder
```

$$6871 \div 59 = 116 \text{ remainder } 27$$

```
      116
59 | 6871
    59
    --
    97
    59
    --
    381
    354
    ---
    27 ← remainder
```

$$6871 \div 61 = 112 \text{ remainder } 39$$

```
      112
61 | 6871
    61
    --
    77
    61
    --
    161
    122
    ---
    39 ← remainder
```

$$6871 \div 67 = 102 \text{ remainder } 37$$

$$\begin{array}{r}
 102 \\
 67 \overline{) 6871} \\
 \underline{67} \\
 17 \\
 \underline{0} \\
 171 \\
 \underline{134} \\
 \hline
 37 \leftarrow \text{remainder}
 \end{array}$$

$$6871 \div 71 = 96 \text{ remainder } 55$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6871} \\
 \underline{639} \\
 \hline
 481 \\
 \underline{426} \\
 \hline
 55 \leftarrow \text{remainder}
 \end{array}$$

$$6871 \div 73 = 94 \text{ remainder } 9$$

$$\begin{array}{r}
 94 \\
 73 \overline{) 6871} \\
 \underline{657} \\
 \hline
 301 \\
 \underline{292} \\
 \hline
 9 \leftarrow \text{remainder}
 \end{array}$$

$$6871 \div 79 = 86 \text{ remainder } 77$$

$$\begin{array}{r}
 86 \\
 79 \overline{) 6871} \\
 \underline{632} \\
 \hline
 551 \\
 \underline{474} \\
 \hline
 77
 \end{array}$$

77 ← remainder

P₈₈₆ 6883

$$6883 \div 2 = 3441 \text{ remainder } 1$$

$$\begin{array}{r} 3441 \\ 2 \mid 6883 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6883 \div 3 = 2294 \text{ remainder } 1$$

$$\begin{array}{r} 2294 \\ 3 \mid 6883 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 28 \\ \underline{27} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6883 \div 5 = 1376 \text{ remainder } 3$$

$$\begin{array}{r} 1376 \\ 5 \mid 6883 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
38
35
--
33
30
--
3 ← remainder

```

$$6883 \div 7 = 983 \text{ remainder } 2$$

```

  983
7 | 6883
  63
  --
  58
  56
  --
  23
  21
  --
  2 ← remainder

```

$$6883 \div 11 = 625 \text{ remainder } 8$$

```

  625
11 | 6883
   66
   --
   28
   22
   --
   63
   55
   --
   8 ← remainder

```

$$6883 \div 13 = 529 \text{ remainder } 6$$

```

  529
13 | 6883
   65

```



```

--
38
26
--
123
117
---
6 ← remainder

```

$$6883 \div 17 = 404 \text{ remainder } 15$$

```

      404
17 | 6883
    68
    --
     8
     0
     -
     83
     68
     --
    15 ← remainder

```

$$6883 \div 19 = 362 \text{ remainder } 5$$

```

      362
19 | 6883
    57
    --
    118
    114
    ---
     43
     38
     --
     5 ← remainder

```

$$6883 \div 23 = 299 \text{ remainder } 6$$

```

      299
23 | 6883
    46
    --
    228

```

```

207
---
213
207
---
6 ← remainder

```

$$6883 \div 29 = 237 \text{ remainder } 10$$

```

      237
29 | 6883
    58
    --
    108
    87
    --
    213
    203
    ---
    10 ← remainder

```

$$6883 \div 31 = 222 \text{ remainder } 1$$

```

      222
31 | 6883
    62
    --
    68
    62
    --
    63
    62
    --
    1 ← remainder

```

$$6883 \div 37 = 186 \text{ remainder } 1$$

```

      186
37 | 6883
    37
    --
    318
    296
    ---

```

```

223
222
---
1 ← remainder

```

$$6883 \div 41 = 167 \text{ remainder } 36$$

```

      167
41 | 6883
    41
    --
    278
    246
    ---
    323
    287
    ---
    36 ← remainder

```

$$6883 \div 43 = 160 \text{ remainder } 3$$

```

      160
43 | 6883
    43
    --
    258
    258
    ---
     3
     0
     -
     3 ← remainder

```

$$6883 \div 47 = 146 \text{ remainder } 21$$

```

      146
47 | 6883
    47
    --
    218
    188
    ---
    303
    282

```

21 ← remainder

$$6883 \div 53 = 129 \text{ remainder } 46$$

129
53 | 6883
53
--
158
106

523
477

46 ← remainder

$$6883 \div 59 = 116 \text{ remainder } 39$$

116
59 | 6883
59
--
98
59
--
393
354

39 ← remainder

$$6883 \div 61 = 112 \text{ remainder } 51$$

112
61 | 6883
61
--
78
61
--
173
122

51 ← remainder

$$6883 \div 67 = 102 \text{ remainder } 49$$

$$\begin{array}{r}
 102 \\
 67 \overline{) 6883} \\
 \underline{67} \\
 18 \\
 \underline{0} \\
 183 \\
 \underline{134} \\
 49 \leftarrow \text{remainder}
 \end{array}$$

$$6883 \div 71 = 96 \text{ remainder } 67$$

$$\begin{array}{r}
 96 \\
 71 \overline{) 6883} \\
 \underline{639} \\
 493 \\
 \underline{426} \\
 67 \leftarrow \text{remainder}
 \end{array}$$

$$6883 \div 73 = 94 \text{ remainder } 21$$

$$\begin{array}{r}
 94 \\
 73 \overline{) 6883} \\
 \underline{657} \\
 313 \\
 \underline{292} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

$$6883 \div 79 = 87 \text{ remainder } 10$$

$$\begin{array}{r}
 87 \\
 79 \overline{) 6883} \\
 \underline{632} \\
 563 \\
 \underline{553} \\
 10
 \end{array}$$

10 ← remainder

P₈₈₇ 6899

$$6899 \div 2 = 3449 \text{ remainder } 1$$

$$\begin{array}{r} 3449 \\ 2 \mid 6899 \\ \underline{6} \\ - \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6899 \div 3 = 2299 \text{ remainder } 2$$

$$\begin{array}{r} 2299 \\ 3 \mid 6899 \\ \underline{6} \\ - \\ 8 \\ \underline{6} \\ - \\ 29 \\ \underline{27} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6899 \div 5 = 1379 \text{ remainder } 4$$

$$\begin{array}{r} 1379 \\ 5 \mid 6899 \\ \underline{5} \\ - \end{array}$$

```

18
15
--
39
35
--
49
45
--
4 ← remainder

```

$$6899 \div 7 = 985 \text{ remainder } 4$$

```

  985
7 | 6899
  63
  --
  59
  56
  --
  39
  35
  --
  4 ← remainder

```

$$6899 \div 11 = 627 \text{ remainder } 2$$

```

  627
11 | 6899
   66
   --
   29
   22
   --
   79
   77
   --
   2 ← remainder

```

$$6899 \div 13 = 530 \text{ remainder } 9$$

```

  530
13 | 6899
   65

```



```

--
39
39
--
9
0
-
9 ← remainder

```

$$6899 \div 17 = 405 \text{ remainder } 14$$

```

405
17 | 6899
   68
   --
    9
    0
    -
    99
    85
    --
    14 ← remainder

```

$$6899 \div 19 = 363 \text{ remainder } 2$$

```

363
19 | 6899
   57
   --
  119
  114
  ---
   59
   57
   --
    2 ← remainder

```

$$6899 \div 23 = 299 \text{ remainder } 22$$

```

299
23 | 6899
   46
   --
  229

```

```

207
---
229
207
---
22 ← remainder

```

$$6899 \div 29 = 237 \text{ remainder } 26$$

```

      237
29 | 6899
    58
    --
    109
    87
    --
    229
    203
    ---
    26 ← remainder

```

$$6899 \div 31 = 222 \text{ remainder } 17$$

```

      222
31 | 6899
    62
    --
    69
    62
    --
    79
    62
    --
    17 ← remainder

```

$$6899 \div 37 = 186 \text{ remainder } 17$$

```

      186
37 | 6899
    37
    --
    319
    296
    ---

```

```

239
222
---
17 ← remainder

```

$$6899 \div 41 = 168 \text{ remainder } 11$$

```

      168
41 | 6899
    41
    --
    279
    246
    ---
    339
    328
    ---
    11 ← remainder

```

$$6899 \div 43 = 160 \text{ remainder } 19$$

```

      160
43 | 6899
    43
    --
    259
    258
    ---
     19
     0
     -
     19 ← remainder

```

$$6899 \div 47 = 146 \text{ remainder } 37$$

```

      146
47 | 6899
    47
    --
    219
    188
    ---
    319
    282

```

37 ← remainder

$$6899 \div 53 = 130 \text{ remainder } 9$$

```
      130
53 | 6899
    53
    --
    159
    159
    ---
     9
     0
     -
     9 ← remainder
```

$$6899 \div 59 = 116 \text{ remainder } 55$$

```
      116
59 | 6899
    59
    --
    99
    59
    --
   409
   354
   ---
   55 ← remainder
```

$$6899 \div 61 = 113 \text{ remainder } 6$$

```
      113
61 | 6899
    61
    --
    79
    61
    --
   189
   183
   ---
    6 ← remainder
```

$$6899 \div 67 = 102 \text{ remainder } 65$$

$$\begin{array}{r}
 102 \\
 67 \overline{) 6899} \\
 \underline{67} \\
 19 \\
 \underline{0} \\
 199 \\
 \underline{134} \\
 \hline
 65 \leftarrow \text{remainder}
 \end{array}$$

$$6899 \div 71 = 97 \text{ remainder } 12$$

$$\begin{array}{r}
 97 \\
 71 \overline{) 6899} \\
 \underline{639} \\
 \hline
 509 \\
 \underline{497} \\
 \hline
 12 \leftarrow \text{remainder}
 \end{array}$$

$$6899 \div 73 = 94 \text{ remainder } 37$$

$$\begin{array}{r}
 94 \\
 73 \overline{) 6899} \\
 \underline{657} \\
 \hline
 329 \\
 \underline{292} \\
 \hline
 37 \leftarrow \text{remainder}
 \end{array}$$

$$6899 \div 79 = 87 \text{ remainder } 26$$

$$\begin{array}{r}
 87 \\
 79 \overline{) 6899} \\
 \underline{632} \\
 \hline
 579 \\
 \underline{553} \\
 \hline
 26
 \end{array}$$

26 ← remainder

$$6899 \div 83 = 83 \text{ remainder } 10$$

83
83 | 6899
664

259

249

10 ← remainder

P₈₈₈ 6907

$$6907 \div 2 = 3453 \text{ remainder } 1$$

$$\begin{array}{r} 3453 \\ 2 \mid 6907 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 10 \\ \underline{10} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6907 \div 3 = 2302 \text{ remainder } 1$$

$$\begin{array}{r} 2302 \\ 3 \mid 6907 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6907 \div 5 = 1381 \text{ remainder } 2$$

$$\begin{array}{r} 1381 \\ 5 \mid 6907 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
40
40
--
7
5
-
2 ← remainder

```

$$6907 \div 7 = 986 \text{ remainder } 5$$

```

  986
7 | 6907
  63
  --
  60
  56
  --
  47
  42
  --
  5 ← remainder

```

$$6907 \div 11 = 627 \text{ remainder } 10$$

```

  627
11 | 6907
   66
   --
   30
   22
   --
   87
   77
   --
  10 ← remainder

```

$$6907 \div 13 = 531 \text{ remainder } 4$$

```

  531
13 | 6907
   65

```



```

--
40
39
--
17
13
--
4 ← remainder

```

$$6907 \div 17 = 406 \text{ remainder } 5$$

```

      406
17 | 6907
    68
    --
    10
    0
    -
    107
    102
    ---
    5 ← remainder

```

$$6907 \div 19 = 363 \text{ remainder } 10$$

```

      363
19 | 6907
    57
    --
    120
    114
    ---
    67
    57
    --
    10 ← remainder

```

$$6907 \div 23 = 300 \text{ remainder } 7$$

```

      300
23 | 6907
    69
    --
    0

```

```

0
-
7
0
-
7 ← remainder

```

$$6907 \div 29 = 238 \text{ remainder } 5$$

```

      238
29 | 6907
    58
    --
    110
    87
    --
    237
    232
    ---
    5 ← remainder

```

$$6907 \div 31 = 222 \text{ remainder } 25$$

```

      222
31 | 6907
    62
    --
    70
    62
    --
    87
    62
    --
    25 ← remainder

```

$$6907 \div 37 = 186 \text{ remainder } 25$$

```

      186
37 | 6907
    37
    --
    320
    296
    ---

```

```

247
222
---
25 ← remainder

```

$$6907 \div 41 = 168 \text{ remainder } 19$$

```

      168
41 | 6907
    41
    --
    280
    246
    ---
    347
    328
    ---
    19 ← remainder

```

$$6907 \div 43 = 160 \text{ remainder } 27$$

```

      160
43 | 6907
    43
    --
    260
    258
    ---
    27
    0
    -
    27 ← remainder

```

$$6907 \div 47 = 146 \text{ remainder } 45$$

```

      146
47 | 6907
    47
    --
    220
    188
    ---
    327
    282

```

45 ← remainder

$$6907 \div 53 = 130 \text{ remainder } 17$$

```
      130
53 | 6907
    53
    --
    160
    159
    ---
     17
     0
     -
    17 ← remainder
```

$$6907 \div 59 = 117 \text{ remainder } 4$$

```
      117
59 | 6907
    59
    --
    100
    59
    --
    417
    413
    ---
     4 ← remainder
```

$$6907 \div 61 = 113 \text{ remainder } 14$$

```
      113
61 | 6907
    61
    --
    80
    61
    --
    197
    183
    ---
    14 ← remainder
```

$$6907 \div 67 = 103 \text{ remainder } 6$$

$$\begin{array}{r}
 103 \\
 67 \overline{) 6907} \\
 \underline{67} \\
 20 \\
 \underline{0} \\
 207 \\
 \underline{201} \\
 6 \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$6907 \div 71 = 97 \text{ remainder } 20$$

$$\begin{array}{r}
 97 \\
 71 \overline{) 6907} \\
 \underline{639} \\
 517 \\
 \underline{497} \\
 20 \\
 20 \leftarrow \text{remainder}
 \end{array}$$

$$6907 \div 73 = 94 \text{ remainder } 45$$

$$\begin{array}{r}
 94 \\
 73 \overline{) 6907} \\
 \underline{657} \\
 337 \\
 \underline{292} \\
 45 \\
 45 \leftarrow \text{remainder}
 \end{array}$$

$$6907 \div 79 = 87 \text{ remainder } 34$$

$$\begin{array}{r}
 87 \\
 79 \overline{) 6907} \\
 \underline{632} \\
 587 \\
 \underline{553} \\
 34
 \end{array}$$

34 ← remainder

$$6907 \div 83 = 83 \text{ remainder } 18$$

83
83 | 6907
664

267
249

18 ← remainder

P₈₈₉ 6911

$$6911 \div 2 = 3455 \text{ remainder } 1$$

$$\begin{array}{r} 3455 \\ 2 \mid 6911 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6911 \div 3 = 2303 \text{ remainder } 2$$

$$\begin{array}{r} 2303 \\ 3 \mid 6911 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6911 \div 5 = 1382 \text{ remainder } 1$$

$$\begin{array}{r} 1382 \\ 5 \mid 6911 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
41
40
--
11
10
--
1 ← remainder

```

$$6911 \div 7 = 987 \text{ remainder } 2$$

```

  987
7 | 6911
  63
  --
  61
  56
  --
  51
  49
  --
  2 ← remainder

```

$$6911 \div 11 = 628 \text{ remainder } 3$$

```

  628
11 | 6911
   66
   --
   31
   22
   --
   91
   88
   --
   3 ← remainder

```

$$6911 \div 13 = 531 \text{ remainder } 8$$

```

  531
13 | 6911
   65

```



```

--
41
39
--
21
13
--
8 ← remainder

```

$$6911 \div 17 = 406 \text{ remainder } 9$$

```

      406
17 | 6911
    68
    --
    11
    0
    -
    111
    102
    ---
    9 ← remainder

```

$$6911 \div 19 = 363 \text{ remainder } 14$$

```

      363
19 | 6911
    57
    --
    121
    114
    ---
    71
    57
    --
    14 ← remainder

```

$$6911 \div 23 = 300 \text{ remainder } 11$$

```

      300
23 | 6911
    69
    --
    1

```

```

0
-
11
0
-
11 ← remainder

```

$$6911 \div 29 = 238 \text{ remainder } 9$$

```

      238
29 | 6911
    58
    --
    111
    87
    --
    241
    232
    ---
     9 ← remainder

```

$$6911 \div 31 = 222 \text{ remainder } 29$$

```

      222
31 | 6911
    62
    --
    71
    62
    --
    91
    62
    --
    29 ← remainder

```

$$6911 \div 37 = 186 \text{ remainder } 29$$

```

      186
37 | 6911
    37
    --
    321
    296
    ---

```

```

251
222
---
29 ← remainder

```

$$6911 \div 41 = 168 \text{ remainder } 23$$

```

      168
41 | 6911
    41
    --
    281
    246
    ---
    351
    328
    ---
    23 ← remainder

```

$$6911 \div 43 = 160 \text{ remainder } 31$$

```

      160
43 | 6911
    43
    --
    261
    258
    ---
    31
    0
    -
    31 ← remainder

```

$$6911 \div 47 = 147 \text{ remainder } 2$$

```

      147
47 | 6911
    47
    --
    221
    188
    ---
    331
    329

```

2 ← remainder

$$6911 \div 53 = 130 \text{ remainder } 21$$

130
53 | 6911
53
--
161
159

21
0
-
21 ← remainder

$$6911 \div 59 = 117 \text{ remainder } 8$$

117
59 | 6911
59
--
101
59
--
421
413

8 ← remainder

$$6911 \div 61 = 113 \text{ remainder } 18$$

113
61 | 6911
61
--
81
61
--
201
183

18 ← remainder

$$6911 \div 67 = 103 \text{ remainder } 10$$

$$\begin{array}{r}
 103 \\
 67 \overline{) 6911} \\
 \underline{67} \\
 21 \\
 \underline{0} \\
 211 \\
 \underline{201} \\
 10 \\
 \hline
 10 \leftarrow \text{remainder}
 \end{array}$$

$$6911 \div 71 = 97 \text{ remainder } 24$$

$$\begin{array}{r}
 97 \\
 71 \overline{) 6911} \\
 \underline{639} \\
 521 \\
 \underline{497} \\
 24 \\
 \hline
 24 \leftarrow \text{remainder}
 \end{array}$$

$$6911 \div 73 = 94 \text{ remainder } 49$$

$$\begin{array}{r}
 94 \\
 73 \overline{) 6911} \\
 \underline{657} \\
 341 \\
 \underline{292} \\
 49 \\
 \hline
 49 \leftarrow \text{remainder}
 \end{array}$$

$$6911 \div 79 = 87 \text{ remainder } 38$$

$$\begin{array}{r}
 87 \\
 79 \overline{) 6911} \\
 \underline{632} \\
 591 \\
 \underline{553} \\
 38
 \end{array}$$

38 ← remainder

$$6911 \div 83 = 83 \text{ remainder } 22$$

83
83 | 6911
664

271
249

22 ← remainder

P₈₉₀ 6917

$$6917 \div 2 = 3458 \text{ remainder } 1$$

$$\begin{array}{r} 3458 \\ 2 \mid 6917 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6917 \div 3 = 2305 \text{ remainder } 2$$

$$\begin{array}{r} 2305 \\ 3 \mid 6917 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6917 \div 5 = 1383 \text{ remainder } 2$$

$$\begin{array}{r} 1383 \\ 5 \mid 6917 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
41
40
--
17
15
--
2 ← remainder

```

$$6917 \div 7 = 988 \text{ remainder } 1$$

```

  988
7 | 6917
  63
  --
   61
   56
   --
   57
   56
   --
   1 ← remainder

```

$$6917 \div 11 = 628 \text{ remainder } 9$$

```

  628
11 | 6917
   66
   --
   31
   22
   --
   97
   88
   --
   9 ← remainder

```

$$6917 \div 13 = 532 \text{ remainder } 1$$

```

  532
13 | 6917
   65

```



```

--
41
39
--
27
26
--
1 ← remainder

```

$$6917 \div 17 = 406 \text{ remainder } 15$$

```

      406
17 | 6917
    68
    --
    11
    0
    -
    117
    102
    ---
    15 ← remainder

```

$$6917 \div 19 = 364 \text{ remainder } 1$$

```

      364
19 | 6917
    57
    --
    121
    114
    ---
    77
    76
    --
    1 ← remainder

```

$$6917 \div 23 = 300 \text{ remainder } 17$$

```

      300
23 | 6917
    69
    --
    1

```

```

0
-
17
0
-
17 ← remainder

```

$$6917 \div 29 = 238 \text{ remainder } 15$$

```

      238
29 | 6917
    58
    --
    111
    87
    --
    247
    232
    ---
    15 ← remainder

```

$$6917 \div 31 = 223 \text{ remainder } 4$$

```

      223
31 | 6917
    62
    --
    71
    62
    --
    97
    93
    --
    4 ← remainder

```

$$6917 \div 37 = 186 \text{ remainder } 35$$

```

      186
37 | 6917
    37
    --
    321
    296
    ---

```

```

257
222
---
35 ← remainder

```

$$6917 \div 41 = 168 \text{ remainder } 29$$

```

      168
41 | 6917
    41
    --
    281
    246
    ---
    357
    328
    ---
    29 ← remainder

```

$$6917 \div 43 = 160 \text{ remainder } 37$$

```

      160
43 | 6917
    43
    --
    261
    258
    ---
    37
    0
    -
    37 ← remainder

```

$$6917 \div 47 = 147 \text{ remainder } 8$$

```

      147
47 | 6917
    47
    --
    221
    188
    ---
    337
    329

```

8 ← remainder

$$6917 \div 53 = 130 \text{ remainder } 27$$

130
53 | 6917
53
--
161
159

27
0
-
27 ← remainder

$$6917 \div 59 = 117 \text{ remainder } 14$$

117
59 | 6917
59
--
101
59
--
427
413

14 ← remainder

$$6917 \div 61 = 113 \text{ remainder } 24$$

113
61 | 6917
61
--
81
61
--
207
183

24 ← remainder

$$6917 \div 67 = 103 \text{ remainder } 16$$

$$\begin{array}{r}
 103 \\
 67 \overline{) 6917} \\
 \underline{67} \\
 21 \\
 \underline{0} \\
 217 \\
 \underline{201} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$6917 \div 71 = 97 \text{ remainder } 30$$

$$\begin{array}{r}
 97 \\
 71 \overline{) 6917} \\
 \underline{639} \\
 527 \\
 \underline{497} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$6917 \div 73 = 94 \text{ remainder } 55$$

$$\begin{array}{r}
 94 \\
 73 \overline{) 6917} \\
 \underline{657} \\
 347 \\
 \underline{292} \\
 55 \leftarrow \text{remainder}
 \end{array}$$

$$6917 \div 79 = 87 \text{ remainder } 44$$

$$\begin{array}{r}
 87 \\
 79 \overline{) 6917} \\
 \underline{632} \\
 597 \\
 \underline{553}
 \end{array}$$

44 ← remainder

$$6917 \div 83 = 83 \text{ remainder } 28$$

83
83 | 6917
664

277
249

28 ← remainder

P₈₉₁ 6947

$$6947 \div 2 = 3473 \text{ remainder } 1$$

$$\begin{array}{r} 3473 \\ 2 \mid 6947 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 14 \\ \underline{14} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6947 \div 3 = 2315 \text{ remainder } 2$$

$$\begin{array}{r} 2315 \\ 3 \mid 6947 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6947 \div 5 = 1389 \text{ remainder } 2$$

$$\begin{array}{r} 1389 \\ 5 \mid 6947 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
44
40
--
47
45
--
2 ← remainder

```

$$6947 \div 7 = 992 \text{ remainder } 3$$

```

  992
7 | 6947
  63
  --
   64
   63
   --
   17
   14
   --
   3 ← remainder

```

$$6947 \div 11 = 631 \text{ remainder } 6$$

```

  631
11 | 6947
   66
   --
   34
   33
   --
   17
   11
   --
   6 ← remainder

```

$$6947 \div 13 = 534 \text{ remainder } 5$$

```

  534
13 | 6947
   65

```



```

--
44
39
--
57
52
--
5 ← remainder

```

$$6947 \div 17 = 408 \text{ remainder } 11$$

```

      408
17 | 6947
    68
    --
    14
    0
    -
    147
    136
    ---
    11 ← remainder

```

$$6947 \div 19 = 365 \text{ remainder } 12$$

```

      365
19 | 6947
    57
    --
    124
    114
    ---
    107
    95
    --
    12 ← remainder

```

$$6947 \div 23 = 302 \text{ remainder } 1$$

```

      302
23 | 6947
    69
    --
    4

```

```

0
-
47
46
--
1 ← remainder

```

$$6947 \div 29 = 239 \text{ remainder } 16$$

```

      239
29 | 6947
    58
    --
    114
    87
    --
    277
    261
    ---
    16 ← remainder

```

$$6947 \div 31 = 224 \text{ remainder } 3$$

```

      224
31 | 6947
    62
    --
    74
    62
    --
    127
    124
    ---
    3 ← remainder

```

$$6947 \div 37 = 187 \text{ remainder } 28$$

```

      187
37 | 6947
    37
    --
    324
    296
    ---

```

```

287
259
---
28 ← remainder

```

$$6947 \div 41 = 169 \text{ remainder } 18$$

```

169
41 | 6947
   41
   --
   284
   246
   ---
   387
   369
   ---
   18 ← remainder

```

$$6947 \div 43 = 161 \text{ remainder } 24$$

```

161
43 | 6947
   43
   --
   264
   258
   ---
   67
   43
   --
   24 ← remainder

```

$$6947 \div 47 = 147 \text{ remainder } 38$$

```

147
47 | 6947
   47
   --
   224
   188
   ---
   367
   329

```

38 ← remainder

$$6947 \div 53 = 131 \text{ remainder } 4$$

131
53 | 6947
53
--
164
159

57
53
--
4 ← remainder

$$6947 \div 59 = 117 \text{ remainder } 44$$

117
59 | 6947
59
--
104
59
--
457
413

44 ← remainder

$$6947 \div 61 = 113 \text{ remainder } 54$$

113
61 | 6947
61
--
84
61
--
237
183

54 ← remainder

$$6947 \div 67 = 103 \text{ remainder } 46$$

$$\begin{array}{r}
 103 \\
 67 \overline{) 6947} \\
 \underline{67} \\
 24 \\
 \underline{0} \\
 247 \\
 \underline{201} \\
 46 \leftarrow \text{remainder}
 \end{array}$$

$$6947 \div 71 = 97 \text{ remainder } 60$$

$$\begin{array}{r}
 97 \\
 71 \overline{) 6947} \\
 \underline{639} \\
 557 \\
 \underline{497} \\
 60 \leftarrow \text{remainder}
 \end{array}$$

$$6947 \div 73 = 95 \text{ remainder } 12$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6947} \\
 \underline{657} \\
 377 \\
 \underline{365} \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$6947 \div 79 = 87 \text{ remainder } 74$$

$$\begin{array}{r}
 87 \\
 79 \overline{) 6947} \\
 \underline{632} \\
 627 \\
 \underline{553}
 \end{array}$$

74 ← remainder

$$6947 \div 83 = 83 \text{ remainder } 58$$

83
83 | 6947
664

307
249

58 ← remainder

P₈₉₂ 6949

$$6949 \div 2 = 3474 \text{ remainder } 1$$

$$\begin{array}{r} 3474 \\ 2 \mid 6949 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6949 \div 3 = 2316 \text{ remainder } 1$$

$$\begin{array}{r} 2316 \\ 3 \mid 6949 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6949 \div 5 = 1389 \text{ remainder } 4$$

$$\begin{array}{r} 1389 \\ 5 \mid 6949 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
44
40
--
49
45
--
4 ← remainder

```

$$6949 \div 7 = 992 \text{ remainder } 5$$

```

  992
7 | 6949
  63
  --
   64
   63
   --
    19
    14
    --
     5 ← remainder

```

$$6949 \div 11 = 631 \text{ remainder } 8$$

```

  631
11 | 6949
   66
   --
    34
    33
    --
     19
     11
     --
      8 ← remainder

```

$$6949 \div 13 = 534 \text{ remainder } 7$$

```

  534
13 | 6949
   65

```



```

--
44
39
--
59
52
--
7 ← remainder

```

$$6949 \div 17 = 408 \text{ remainder } 13$$

```

      408
17 | 6949
    68
    --
    14
    0
    -
    149
    136
    ---
    13 ← remainder

```

$$6949 \div 19 = 365 \text{ remainder } 14$$

```

      365
19 | 6949
    57
    --
    124
    114
    ---
    109
    95
    --
    14 ← remainder

```

$$6949 \div 23 = 302 \text{ remainder } 3$$

```

      302
23 | 6949
    69
    --
    4

```

```

0
-
49
46
--
3 ← remainder

```

$$6949 \div 29 = 239 \text{ remainder } 18$$

```

      239
29 | 6949
    58
    --
    114
    87
    --
    279
    261
    ---
    18 ← remainder

```

$$6949 \div 31 = 224 \text{ remainder } 5$$

```

      224
31 | 6949
    62
    --
    74
    62
    --
    129
    124
    ---
    5 ← remainder

```

$$6949 \div 37 = 187 \text{ remainder } 30$$

```

      187
37 | 6949
    37
    --
    324
    296
    ---

```

```

289
259
---
30 ← remainder

```

$$6949 \div 41 = 169 \text{ remainder } 20$$

```

169
41 | 6949
   41
   --
   284
   246
   ---
   389
   369
   ---
   20 ← remainder

```

$$6949 \div 43 = 161 \text{ remainder } 26$$

```

161
43 | 6949
   43
   --
   264
   258
   ---
   69
   43
   --
   26 ← remainder

```

$$6949 \div 47 = 147 \text{ remainder } 40$$

```

147
47 | 6949
   47
   --
   224
   188
   ---
   369
   329

```

40 ← remainder

$$6949 \div 53 = 131 \text{ remainder } 6$$

```
      131
53 | 6949
    53
    --
    164
    159
    ---
     59
     53
     --
      6 ← remainder
```

$$6949 \div 59 = 117 \text{ remainder } 46$$

```
      117
59 | 6949
    59
    --
    104
    59
    --
    459
    413
    ---
     46 ← remainder
```

$$6949 \div 61 = 113 \text{ remainder } 56$$

```
      113
61 | 6949
    61
    --
     84
     61
     --
    239
    183
    ---
     56 ← remainder
```

$$6949 \div 67 = 103 \text{ remainder } 48$$

$$\begin{array}{r}
 103 \\
 67 \overline{) 6949} \\
 \underline{67} \\
 24 \\
 \underline{0} \\
 249 \\
 \underline{201} \\
 48 \leftarrow \text{remainder}
 \end{array}$$

$$6949 \div 71 = 97 \text{ remainder } 62$$

$$\begin{array}{r}
 97 \\
 71 \overline{) 6949} \\
 \underline{639} \\
 559 \\
 \underline{497} \\
 62 \leftarrow \text{remainder}
 \end{array}$$

$$6949 \div 73 = 95 \text{ remainder } 14$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6949} \\
 \underline{657} \\
 379 \\
 \underline{365} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$6949 \div 79 = 87 \text{ remainder } 76$$

$$\begin{array}{r}
 87 \\
 79 \overline{) 6949} \\
 \underline{632} \\
 629 \\
 \underline{553}
 \end{array}$$

76 ← remainder

$$6949 \div 83 = 83 \text{ remainder } 60$$

83
83 | 6949
664

309
249

60 ← remainder

P₈₉₃ 6959

$$6959 \div 2 = 3479 \text{ remainder } 1$$

$$\begin{array}{r} 3479 \\ 2 \mid 6959 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 15 \\ \underline{14} \\ - \\ 19 \\ \underline{18} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6959 \div 3 = 2319 \text{ remainder } 2$$

$$\begin{array}{r} 2319 \\ 3 \mid 6959 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6959 \div 5 = 1391 \text{ remainder } 4$$

$$\begin{array}{r} 1391 \\ 5 \mid 6959 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
45
45
--
9
5
-
4 ← remainder

```

$$6959 \div 7 = 994 \text{ remainder } 1$$

```

  994
7 | 6959
  63
  --
   65
   63
   --
   29
   28
   --
   1 ← remainder

```

$$6959 \div 11 = 632 \text{ remainder } 7$$

```

  632
11 | 6959
   66
   --
   35
   33
   --
   29
   22
   --
   7 ← remainder

```

$$6959 \div 13 = 535 \text{ remainder } 4$$

```

  535
13 | 6959
   65

```



```

--
45
39
--
69
65
--
4 ← remainder

```

$$6959 \div 17 = 409 \text{ remainder } 6$$

```

      409
17 | 6959
    68
    --
    15
    0
    -
    159
    153
    ---
    6 ← remainder

```

$$6959 \div 19 = 366 \text{ remainder } 5$$

```

      366
19 | 6959
    57
    --
    125
    114
    ---
    119
    114
    ---
    5 ← remainder

```

$$6959 \div 23 = 302 \text{ remainder } 13$$

```

      302
23 | 6959
    69
    --
    5

```

```

0
-
59
46
--
13 ← remainder

```

$$6959 \div 29 = 239 \text{ remainder } 28$$

```

      239
29 | 6959
    58
    --
    115
    87
    --
    289
    261
    ---
    28 ← remainder

```

$$6959 \div 31 = 224 \text{ remainder } 15$$

```

      224
31 | 6959
    62
    --
    75
    62
    --
    139
    124
    ---
    15 ← remainder

```

$$6959 \div 37 = 188 \text{ remainder } 3$$

```

      188
37 | 6959
    37
    --
    325
    296
    ---

```

```

299
296
---
3 ← remainder

```

$$6959 \div 41 = 169 \text{ remainder } 30$$

```

      169
41 | 6959
    41
    --
    285
    246
    ---
    399
    369
    ---
    30 ← remainder

```

$$6959 \div 43 = 161 \text{ remainder } 36$$

```

      161
43 | 6959
    43
    --
    265
    258
    ---
    79
    43
    --
    36 ← remainder

```

$$6959 \div 47 = 148 \text{ remainder } 3$$

```

      148
47 | 6959
    47
    --
    225
    188
    ---
    379
    376

```

3 ← remainder

$$6959 \div 53 = 131 \text{ remainder } 16$$

```
      131
53 | 6959
    53
    --
    165
    159
    ---
     69
     53
     --
    16 ← remainder
```

$$6959 \div 59 = 117 \text{ remainder } 56$$

```
      117
59 | 6959
    59
    --
    105
    59
    --
    469
    413
    ---
    56 ← remainder
```

$$6959 \div 61 = 114 \text{ remainder } 5$$

```
      114
61 | 6959
    61
    --
     85
     61
     --
    249
    244
    ---
     5 ← remainder
```

$$6959 \div 67 = 103 \text{ remainder } 58$$

$$\begin{array}{r}
 103 \\
 67 \overline{) 6959} \\
 \underline{67} \\
 25 \\
 \underline{0} \\
 259 \\
 \underline{201} \\
 58 \leftarrow \text{remainder}
 \end{array}$$

$$6959 \div 71 = 98 \text{ remainder } 1$$

$$\begin{array}{r}
 98 \\
 71 \overline{) 6959} \\
 \underline{639} \\
 569 \\
 \underline{568} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$6959 \div 73 = 95 \text{ remainder } 24$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6959} \\
 \underline{657} \\
 389 \\
 \underline{365} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$6959 \div 79 = 88 \text{ remainder } 7$$

$$\begin{array}{r}
 88 \\
 79 \overline{) 6959} \\
 \underline{632} \\
 639 \\
 \underline{632} \\
 7
 \end{array}$$

7 ← remainder

$$6959 \div 83 = 83 \text{ remainder } 70$$

83
83 | 6959
664

319
249

70 ← remainder

P₈₉₄ 6961

$$6961 \div 2 = 3480 \text{ remainder } 1$$

$$\begin{array}{r} 3480 \\ 2 \mid 6961 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 16 \\ \underline{16} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6961 \div 3 = 2320 \text{ remainder } 1$$

$$\begin{array}{r} 2320 \\ 3 \mid 6961 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6961 \div 5 = 1392 \text{ remainder } 1$$

$$\begin{array}{r} 1392 \\ 5 \mid 6961 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
46
45
--
11
10
--
1 ← remainder

```

$$6961 \div 7 = 994 \text{ remainder } 3$$

```

  994
7 | 6961
  63
  --
   66
   63
   --
   31
   28
   --
   3 ← remainder

```

$$6961 \div 11 = 632 \text{ remainder } 9$$

```

  632
11 | 6961
   66
   --
   36
   33
   --
   31
   22
   --
   9 ← remainder

```

$$6961 \div 13 = 535 \text{ remainder } 6$$

```

  535
13 | 6961
   65

```



```

--
46
39
--
71
65
--
6 ← remainder

```

$$6961 \div 17 = 409 \text{ remainder } 8$$

```

409
17 | 6961
   68
   --
   16
   0
   -
   161
   153
   ---
   8 ← remainder

```

$$6961 \div 19 = 366 \text{ remainder } 7$$

```

366
19 | 6961
   57
   --
  126
  114
  ---
  121
  114
  ---
  7 ← remainder

```

$$6961 \div 23 = 302 \text{ remainder } 15$$

```

302
23 | 6961
   69
   --
   6

```

```

0
-
61
46
--
15 ← remainder

```

$$6961 \div 29 = 240 \text{ remainder } 1$$

```

      240
29 | 6961
    58
    --
    116
    116
    ---
     1
     0
     -
     1 ← remainder

```

$$6961 \div 31 = 224 \text{ remainder } 17$$

```

      224
31 | 6961
    62
    --
     76
     62
     --
     141
     124
     ---
      17 ← remainder

```

$$6961 \div 37 = 188 \text{ remainder } 5$$

```

      188
37 | 6961
    37
    --
    326
    296
    ---

```

```

301
296
---
5 ← remainder

```

$$6961 \div 41 = 169 \text{ remainder } 32$$

```

169
41 | 6961
   41
   --
   286
   246
   ---
   401
   369
   ---
   32 ← remainder

```

$$6961 \div 43 = 161 \text{ remainder } 38$$

```

161
43 | 6961
   43
   --
   266
   258
   ---
   81
   43
   --
   38 ← remainder

```

$$6961 \div 47 = 148 \text{ remainder } 5$$

```

148
47 | 6961
   47
   --
   226
   188
   ---
   381
   376

```

5 ← remainder

$$6961 \div 53 = 131 \text{ remainder } 18$$

131
53 | 6961
53
--
166
159

71
53
--
18 ← remainder

$$6961 \div 59 = 117 \text{ remainder } 58$$

117
59 | 6961
59
--
106
59
--
471
413

58 ← remainder

$$6961 \div 61 = 114 \text{ remainder } 7$$

114
61 | 6961
61
--
86
61
--
251
244

7 ← remainder

$$6961 \div 67 = 103 \text{ remainder } 60$$

$$\begin{array}{r}
 103 \\
 67 \overline{) 6961} \\
 \underline{67} \\
 26 \\
 \underline{0} \\
 261 \\
 \underline{201} \\
 \hline
 60 \leftarrow \text{remainder}
 \end{array}$$

$$6961 \div 71 = 98 \text{ remainder } 3$$

$$\begin{array}{r}
 98 \\
 71 \overline{) 6961} \\
 \underline{639} \\
 \hline
 571 \\
 \underline{568} \\
 \hline
 3 \leftarrow \text{remainder}
 \end{array}$$

$$6961 \div 73 = 95 \text{ remainder } 26$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6961} \\
 \underline{657} \\
 \hline
 391 \\
 \underline{365} \\
 \hline
 26 \leftarrow \text{remainder}
 \end{array}$$

$$6961 \div 79 = 88 \text{ remainder } 9$$

$$\begin{array}{r}
 88 \\
 79 \overline{) 6961} \\
 \underline{632} \\
 \hline
 641 \\
 \underline{632} \\
 \hline
 9
 \end{array}$$

9 ← remainder

$$6961 \div 83 = 83 \text{ remainder } 72$$

83
83 | 6961
664

321

249

72 ← remainder

P₈₉₅ 6967

$$6967 \div 2 = 3483 \text{ remainder } 1$$

$$\begin{array}{r} 3483 \\ 2 \mid 6967 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 16 \\ \underline{16} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6967 \div 3 = 2322 \text{ remainder } 1$$

$$\begin{array}{r} 2322 \\ 3 \mid 6967 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 6 \\ \underline{6} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6967 \div 5 = 1393 \text{ remainder } 2$$

$$\begin{array}{r} 1393 \\ 5 \mid 6967 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
46
45
--
17
15
--
2 ← remainder

```

$$6967 \div 7 = 995 \text{ remainder } 2$$

```

  995
7 | 6967
  63
  --
   66
   63
   --
   37
   35
   --
   2 ← remainder

```

$$6967 \div 11 = 633 \text{ remainder } 4$$

```

  633
11 | 6967
   66
   --
   36
   33
   --
   37
   33
   --
   4 ← remainder

```

$$6967 \div 13 = 535 \text{ remainder } 12$$

```

  535
13 | 6967
   65

```



```

--
46
39
--
77
65
--
12 ← remainder

```

$$6967 \div 17 = 409 \text{ remainder } 14$$

```

      409
17 | 6967
    68
    --
    16
    0
    -
    167
    153
    ---
    14 ← remainder

```

$$6967 \div 19 = 366 \text{ remainder } 13$$

```

      366
19 | 6967
    57
    --
    126
    114
    ---
    127
    114
    ---
    13 ← remainder

```

$$6967 \div 23 = 302 \text{ remainder } 21$$

```

      302
23 | 6967
    69
    --
    6

```

```

0
-
67
46
--
21 ← remainder

```

$$6967 \div 29 = 240 \text{ remainder } 7$$

```

      240
29 | 6967
    58
    --
    116
    116
    ---
     7
     0
     -
     7 ← remainder

```

$$6967 \div 31 = 224 \text{ remainder } 23$$

```

      224
31 | 6967
    62
    --
    76
    62
    --
    147
    124
    ---
    23 ← remainder

```

$$6967 \div 37 = 188 \text{ remainder } 11$$

```

      188
37 | 6967
    37
    --
    326
    296
    ---

```

```

307
296
---
11 ← remainder

```

$$6967 \div 41 = 169 \text{ remainder } 38$$

```

169
41 | 6967
   41
   --
   286
   246
   ---
   407
   369
   ---
   38 ← remainder

```

$$6967 \div 43 = 162 \text{ remainder } 1$$

```

162
43 | 6967
   43
   --
   266
   258
   ---
   87
   86
   --
   1 ← remainder

```

$$6967 \div 47 = 148 \text{ remainder } 11$$

```

148
47 | 6967
   47
   --
   226
   188
   ---
   387
   376

```

11 ← remainder

$$6967 \div 53 = 131 \text{ remainder } 24$$

```
      131
53 | 6967
    53
    --
    166
    159
    ---
     77
     53
     --
    24 ← remainder
```

$$6967 \div 59 = 118 \text{ remainder } 5$$

```
      118
59 | 6967
    59
    --
    106
    59
    --
    477
    472
    ---
     5 ← remainder
```

$$6967 \div 61 = 114 \text{ remainder } 13$$

```
      114
61 | 6967
    61
    --
     86
     61
     --
    257
    244
    ---
    13 ← remainder
```

$$6967 \div 67 = 103 \text{ remainder } 66$$

$$\begin{array}{r}
 103 \\
 67 \overline{) 6967} \\
 \underline{67} \\
 26 \\
 \underline{0} \\
 267 \\
 \underline{201} \\
 66 \leftarrow \text{remainder}
 \end{array}$$

$$6967 \div 71 = 98 \text{ remainder } 9$$

$$\begin{array}{r}
 98 \\
 71 \overline{) 6967} \\
 \underline{639} \\
 577 \\
 \underline{568} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$6967 \div 73 = 95 \text{ remainder } 32$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6967} \\
 \underline{657} \\
 397 \\
 \underline{365} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

$$6967 \div 79 = 88 \text{ remainder } 15$$

$$\begin{array}{r}
 88 \\
 79 \overline{) 6967} \\
 \underline{632} \\
 647 \\
 \underline{632} \\
 15
 \end{array}$$

15 ← remainder

$$6967 \div 83 = 83 \text{ remainder } 78$$

83
83 | 6967
664

327
249

78 ← remainder

P₈₉₆ 6971

$$6971 \div 2 = 3485 \text{ remainder } 1$$

$$\begin{array}{r} 3485 \\ 2 \mid 6971 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6971 \div 3 = 2323 \text{ remainder } 2$$

$$\begin{array}{r} 2323 \\ 3 \mid 6971 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 7 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6971 \div 5 = 1394 \text{ remainder } 1$$

$$\begin{array}{r} 1394 \\ 5 \mid 6971 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
47
45
--
21
20
--
1 ← remainder

```

$$6971 \div 7 = 995 \text{ remainder } 6$$

```

  995
7 | 6971
  63
  --
   67
   63
   --
   41
   35
   --
   6 ← remainder

```

$$6971 \div 11 = 633 \text{ remainder } 8$$

```

  633
11 | 6971
   66
   --
   37
   33
   --
   41
   33
   --
   8 ← remainder

```

$$6971 \div 13 = 536 \text{ remainder } 3$$

```

  536
13 | 6971
   65

```



```

--
47
39
--
81
78
--
3 ← remainder

```

$$6971 \div 17 = 410 \text{ remainder } 1$$

```

410
17 | 6971
   68
   --
   17
   17
   --
   1
   0
   -
   1 ← remainder

```

$$6971 \div 19 = 366 \text{ remainder } 17$$

```

366
19 | 6971
   57
   --
  127
  114
  ---
  131
  114
  ---
  17 ← remainder

```

$$6971 \div 23 = 303 \text{ remainder } 2$$

```

303
23 | 6971
   69
   --
   7

```

```

0
-
71
69
--
2 ← remainder

```

$$6971 \div 29 = 240 \text{ remainder } 11$$

```

      240
29 | 6971
    58
    --
    117
    116
    ---
     11
     0
     -
    11 ← remainder

```

$$6971 \div 31 = 224 \text{ remainder } 27$$

```

      224
31 | 6971
    62
    --
     77
     62
     --
     151
     124
     ---
      27 ← remainder

```

$$6971 \div 37 = 188 \text{ remainder } 15$$

```

      188
37 | 6971
    37
    --
    327
    296
    ---

```

```

311
296
---
15 ← remainder

```

$$6971 \div 41 = 170 \text{ remainder } 1$$

```

170
41 | 6971
   41
   --
   287
   287
   ---
     1
     0
     -
     1 ← remainder

```

$$6971 \div 43 = 162 \text{ remainder } 5$$

```

162
43 | 6971
   43
   --
   267
   258
   ---
     91
     86
     --
     5 ← remainder

```

$$6971 \div 47 = 148 \text{ remainder } 15$$

```

148
47 | 6971
   47
   --
   227
   188
   ---
     391
     376

```

15 ← remainder

$$6971 \div 53 = 131 \text{ remainder } 28$$

$$\begin{array}{r} 131 \\ 53 \overline{) 6971} \end{array}$$

53

--

167

159

81

53

--

28 ← remainder

$$6971 \div 59 = 118 \text{ remainder } 9$$

$$\begin{array}{r} 118 \\ 59 \overline{) 6971} \end{array}$$

59

--

107

59

--

481

472

9 ← remainder

$$6971 \div 61 = 114 \text{ remainder } 17$$

$$\begin{array}{r} 114 \\ 61 \overline{) 6971} \end{array}$$

61

--

87

61

--

261

244

17 ← remainder

$$6971 \div 67 = 104 \text{ remainder } 3$$

$$\begin{array}{r}
 104 \\
 67 \overline{) 6971} \\
 \underline{67} \\
 27 \\
 \underline{0} \\
 271 \\
 \underline{268} \\
 3 \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$6971 \div 71 = 98 \text{ remainder } 13$$

$$\begin{array}{r}
 98 \\
 71 \overline{) 6971} \\
 \underline{639} \\
 581 \\
 \underline{568} \\
 13 \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$6971 \div 73 = 95 \text{ remainder } 36$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6971} \\
 \underline{657} \\
 401 \\
 \underline{365} \\
 36 \\
 36 \leftarrow \text{remainder}
 \end{array}$$

$$6971 \div 79 = 88 \text{ remainder } 19$$

$$\begin{array}{r}
 88 \\
 79 \overline{) 6971} \\
 \underline{632} \\
 651 \\
 \underline{632} \\
 19
 \end{array}$$

19 ← remainder

$$6971 \div 83 = 83 \text{ remainder } 82$$

83
83 | 6971
664

331

249

82 ← remainder

P₈₉₇ 6977

$$6977 \div 2 = 3488 \text{ remainder } 1$$

$$\begin{array}{r} 3488 \\ 2 \mid 6977 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6977 \div 3 = 2325 \text{ remainder } 2$$

$$\begin{array}{r} 2325 \\ 3 \mid 6977 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6977 \div 5 = 1395 \text{ remainder } 2$$

$$\begin{array}{r} 1395 \\ 5 \mid 6977 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
47
45
--
27
25
--
2 ← remainder

```

$$6977 \div 7 = 996 \text{ remainder } 5$$

```

  996
7 | 6977
  63
  --
   67
   63
   --
    47
    42
    --
     5 ← remainder

```

$$6977 \div 11 = 634 \text{ remainder } 3$$

```

  634
11 | 6977
   66
   --
    37
    33
    --
     47
     44
     --
      3 ← remainder

```

$$6977 \div 13 = 536 \text{ remainder } 9$$

```

  536
13 | 6977
   65

```



```

--
47
39
--
87
78
--
9 ← remainder

```

$$6977 \div 17 = 410 \text{ remainder } 7$$

```

410
17 | 6977
   68
   --
   17
   17
   --
   7
   0
   -
   7 ← remainder

```

$$6977 \div 19 = 367 \text{ remainder } 4$$

```

367
19 | 6977
   57
   --
  127
  114
  ---
  137
  133
  ---
   4 ← remainder

```

$$6977 \div 23 = 303 \text{ remainder } 8$$

```

303
23 | 6977
   69
   --
   7

```

```

0
-
77
69
--
8 ← remainder

```

$$6977 \div 29 = 240 \text{ remainder } 17$$

```

      240
29 | 6977
    58
    --
    117
    116
    ---
     17
     0
     -
    17 ← remainder

```

$$6977 \div 31 = 225 \text{ remainder } 2$$

```

      225
31 | 6977
    62
    --
     77
     62
     --
     157
     155
     ---
      2 ← remainder

```

$$6977 \div 37 = 188 \text{ remainder } 21$$

```

      188
37 | 6977
    37
    --
    327
    296
    ---

```

```

317
296
---
21 ← remainder

```

$$6977 \div 41 = 170 \text{ remainder } 7$$

```

170
41 | 6977
   41
   --
   287
   287
   ---
     7
     0
     -
     7 ← remainder

```

$$6977 \div 43 = 162 \text{ remainder } 11$$

```

162
43 | 6977
   43
   --
   267
   258
   ---
     97
     86
     --
     11 ← remainder

```

$$6977 \div 47 = 148 \text{ remainder } 21$$

```

148
47 | 6977
   47
   --
   227
   188
   ---
   397
   376

```

21 ← remainder

$$6977 \div 53 = 131 \text{ remainder } 34$$

131
53 | 6977
53
--
167
159

87
53
--
34 ← remainder

$$6977 \div 59 = 118 \text{ remainder } 15$$

118
59 | 6977
59
--
107
59
--
487
472

15 ← remainder

$$6977 \div 61 = 114 \text{ remainder } 23$$

114
61 | 6977
61
--
87
61
--
267
244

23 ← remainder

$$6977 \div 67 = 104 \text{ remainder } 9$$

$$\begin{array}{r}
 104 \\
 67 \overline{) 6977} \\
 \underline{67} \\
 27 \\
 \underline{0} \\
 277 \\
 \underline{268} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$6977 \div 71 = 98 \text{ remainder } 19$$

$$\begin{array}{r}
 98 \\
 71 \overline{) 6977} \\
 \underline{639} \\
 587 \\
 \underline{568} \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$6977 \div 73 = 95 \text{ remainder } 42$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6977} \\
 \underline{657} \\
 407 \\
 \underline{365} \\
 42 \leftarrow \text{remainder}
 \end{array}$$

$$6977 \div 79 = 88 \text{ remainder } 25$$

$$\begin{array}{r}
 88 \\
 79 \overline{) 6977} \\
 \underline{632} \\
 657 \\
 \underline{632}
 \end{array}$$

25 ← remainder

$$6977 \div 83 = 84 \text{ remainder } 5$$

84
83 | 6977
664

337
332

5 ← remainder

P₈₉₈ 6983

$$6983 \div 2 = 3491 \text{ remainder } 1$$

$$\begin{array}{r} 3491 \\ 2 \mid 6983 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 18 \\ \underline{18} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6983 \div 3 = 2327 \text{ remainder } 2$$

$$\begin{array}{r} 2327 \\ 3 \mid 6983 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$6983 \div 5 = 1396 \text{ remainder } 3$$

$$\begin{array}{r} 1396 \\ 5 \mid 6983 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
48
45
--
33
30
--
3 ← remainder

```

$$6983 \div 7 = 997 \text{ remainder } 4$$

```

  997
7 | 6983
  63
  --
   68
   63
   --
   53
   49
   --
   4 ← remainder

```

$$6983 \div 11 = 634 \text{ remainder } 9$$

```

  634
11 | 6983
   66
   --
   38
   33
   --
   53
   44
   --
   9 ← remainder

```

$$6983 \div 13 = 537 \text{ remainder } 2$$

```

  537
13 | 6983
   65

```



```

--
48
39
--
93
91
--
2 ← remainder

```

$$6983 \div 17 = 410 \text{ remainder } 13$$

```

      410
17 | 6983
    68
    --
    18
    17
    --
    13
    0
    -
    13 ← remainder

```

$$6983 \div 19 = 367 \text{ remainder } 10$$

```

      367
19 | 6983
    57
    --
    128
    114
    ---
    143
    133
    ---
    10 ← remainder

```

$$6983 \div 23 = 303 \text{ remainder } 14$$

```

      303
23 | 6983
    69
    --
    8

```

```

0
-
83
69
--
14 ← remainder

```

$$6983 \div 29 = 240 \text{ remainder } 23$$

```

      240
29 | 6983
    58
    --
    118
    116
    ---
     23
     0
     -
     23 ← remainder

```

$$6983 \div 31 = 225 \text{ remainder } 8$$

```

      225
31 | 6983
    62
    --
     78
     62
     --
     163
     155
     ---
      8 ← remainder

```

$$6983 \div 37 = 188 \text{ remainder } 27$$

```

      188
37 | 6983
    37
    --
    328
    296
    ---

```

```

323
296
---
27 ← remainder

```

$$6983 \div 41 = 170 \text{ remainder } 13$$

```

170
41 | 6983
   41
   --
   288
   287
   ---
   13
   0
   -
   13 ← remainder

```

$$6983 \div 43 = 162 \text{ remainder } 17$$

```

162
43 | 6983
   43
   --
   268
   258
   ---
   103
   86
   --
   17 ← remainder

```

$$6983 \div 47 = 148 \text{ remainder } 27$$

```

148
47 | 6983
   47
   --
   228
   188
   ---
   403
   376

```

27 ← remainder

$$6983 \div 53 = 131 \text{ remainder } 40$$

131
53 | 6983
53
--
168
159

93
53
--
40 ← remainder

$$6983 \div 59 = 118 \text{ remainder } 21$$

118
59 | 6983
59
--
108
59
--
493
472

21 ← remainder

$$6983 \div 61 = 114 \text{ remainder } 29$$

114
61 | 6983
61
--
88
61
--
273
244

29 ← remainder

$$6983 \div 67 = 104 \text{ remainder } 15$$

$$\begin{array}{r}
 104 \\
 67 \overline{) 6983} \\
 \underline{67} \\
 28 \\
 \underline{0} \\
 283 \\
 \underline{268} \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$6983 \div 71 = 98 \text{ remainder } 25$$

$$\begin{array}{r}
 98 \\
 71 \overline{) 6983} \\
 \underline{639} \\
 593 \\
 \underline{568} \\
 25 \leftarrow \text{remainder}
 \end{array}$$

$$6983 \div 73 = 95 \text{ remainder } 48$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6983} \\
 \underline{657} \\
 413 \\
 \underline{365} \\
 48 \leftarrow \text{remainder}
 \end{array}$$

$$6983 \div 79 = 88 \text{ remainder } 31$$

$$\begin{array}{r}
 88 \\
 79 \overline{) 6983} \\
 \underline{632} \\
 663 \\
 \underline{632}
 \end{array}$$

31 ← remainder

$$6983 \div 83 = 84 \text{ remainder } 11$$

84
83 | 6983
664

343

332

11 ← remainder

P₈₉₉ 6991

$$6991 \div 2 = 3495 \text{ remainder } 1$$

$$\begin{array}{r} 3495 \\ 2 \mid 6991 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 19 \\ \underline{18} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6991 \div 3 = 2330 \text{ remainder } 1$$

$$\begin{array}{r} 2330 \\ 3 \mid 6991 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6991 \div 5 = 1398 \text{ remainder } 1$$

$$\begin{array}{r} 1398 \\ 5 \mid 6991 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
49
45
--
41
40
--
1 ← remainder

```

$$6991 \div 7 = 998 \text{ remainder } 5$$

```

  998
7 | 6991
  63
  --
   69
   63
   --
   61
   56
   --
   5 ← remainder

```

$$6991 \div 11 = 635 \text{ remainder } 6$$

```

  635
11 | 6991
   66
   --
   39
   33
   --
   61
   55
   --
   6 ← remainder

```

$$6991 \div 13 = 537 \text{ remainder } 10$$

```

  537
13 | 6991
   65

```



```

--
49
39
--
101
91
--
10 ← remainder

```

$$6991 \div 17 = 411 \text{ remainder } 4$$

```

      411
17 | 6991
    68
    --
    19
    17
    --
    21
    17
    --
    4 ← remainder

```

$$6991 \div 19 = 367 \text{ remainder } 18$$

```

      367
19 | 6991
    57
    --
    129
    114
    ---
    151
    133
    ---
    18 ← remainder

```

$$6991 \div 23 = 303 \text{ remainder } 22$$

```

      303
23 | 6991
    69
    --
    9

```

```

0
-
91
69
--
22 ← remainder

```

$$6991 \div 29 = 241 \text{ remainder } 2$$

```

      241
29 | 6991
    58
    --
    119
    116
    ---
     31
     29
     --
      2 ← remainder

```

$$6991 \div 31 = 225 \text{ remainder } 16$$

```

      225
31 | 6991
    62
    --
     79
     62
     --
     171
     155
     ---
      16 ← remainder

```

$$6991 \div 37 = 188 \text{ remainder } 35$$

```

      188
37 | 6991
    37
    --
    329
    296
    ---

```

```

331
296
---
35 ← remainder

```

$$6991 \div 41 = 170 \text{ remainder } 21$$

```

170
41 | 6991
   41
   --
   289
   287
   ---
    21
    0
    -
    21 ← remainder

```

$$6991 \div 43 = 162 \text{ remainder } 25$$

```

162
43 | 6991
   43
   --
   269
   258
   ---
    111
    86
    --
    25 ← remainder

```

$$6991 \div 47 = 148 \text{ remainder } 35$$

```

148
47 | 6991
   47
   --
   229
   188
   ---
    411
    376

```

35 ← remainder

$$6991 \div 53 = 131 \text{ remainder } 48$$

131
53 | 6991
53
--
169
159

101
53
--
48 ← remainder

$$6991 \div 59 = 118 \text{ remainder } 29$$

118
59 | 6991
59
--
109
59
--
501
472

29 ← remainder

$$6991 \div 61 = 114 \text{ remainder } 37$$

114
61 | 6991
61
--
89
61
--
281
244

37 ← remainder

$$6991 \div 67 = 104 \text{ remainder } 23$$

$$\begin{array}{r}
 104 \\
 67 \overline{) 6991} \\
 \underline{67} \\
 29 \\
 \underline{0} \\
 291 \\
 \underline{268} \\
 23 \leftarrow \text{remainder}
 \end{array}$$

$$6991 \div 71 = 98 \text{ remainder } 33$$

$$\begin{array}{r}
 98 \\
 71 \overline{) 6991} \\
 \underline{639} \\
 601 \\
 \underline{568} \\
 33 \leftarrow \text{remainder}
 \end{array}$$

$$6991 \div 73 = 95 \text{ remainder } 56$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6991} \\
 \underline{657} \\
 421 \\
 \underline{365} \\
 56 \leftarrow \text{remainder}
 \end{array}$$

$$6991 \div 79 = 88 \text{ remainder } 39$$

$$\begin{array}{r}
 88 \\
 79 \overline{) 6991} \\
 \underline{632} \\
 671 \\
 \underline{632}
 \end{array}$$

39 ← remainder

$$6991 \div 83 = 84 \text{ remainder } 19$$

84
83 | 6991
664

351

332

19 ← remainder

P₉₀₀ 6997

$$6997 \div 2 = 3498 \text{ remainder } 1$$

$$\begin{array}{r} 3498 \\ 2 \mid 6997 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 19 \\ \underline{18} \\ - \\ 17 \\ \underline{16} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6997 \div 3 = 2332 \text{ remainder } 1$$

$$\begin{array}{r} 2332 \\ 3 \mid 6997 \\ \underline{6} \\ - \\ 9 \\ \underline{9} \\ - \\ 9 \\ \underline{9} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$6997 \div 5 = 1399 \text{ remainder } 2$$

$$\begin{array}{r} 1399 \\ 5 \mid 6997 \\ \underline{5} \\ - \end{array}$$

```

19
15
--
49
45
--
47
45
--
2 ← remainder

```

$$6997 \div 7 = 999 \text{ remainder } 4$$

```

  999
7 | 6997
  63
  --
  69
  63
  --
  67
  63
  --
  4 ← remainder

```

$$6997 \div 11 = 636 \text{ remainder } 1$$

```

  636
11 | 6997
   66
   --
   39
   33
   --
   67
   66
   --
   1 ← remainder

```

$$6997 \div 13 = 538 \text{ remainder } 3$$

```

  538
13 | 6997
   65

```



```

--
49
39
--
107
104
---
3 ← remainder

```

$$6997 \div 17 = 411 \text{ remainder } 10$$

```

      411
17 | 6997
    68
    --
    19
    17
    --
    27
    17
    --
    10 ← remainder

```

$$6997 \div 19 = 368 \text{ remainder } 5$$

```

      368
19 | 6997
    57
    --
    129
    114
    ---
    157
    152
    ---
    5 ← remainder

```

$$6997 \div 23 = 304 \text{ remainder } 5$$

```

      304
23 | 6997
    69
    --
    9

```

```

0
-
97
92
--
5 ← remainder

```

$$6997 \div 29 = 241 \text{ remainder } 8$$

```

      241
29 | 6997
    58
    --
    119
    116
    ---
     37
     29
     --
     8 ← remainder

```

$$6997 \div 31 = 225 \text{ remainder } 22$$

```

      225
31 | 6997
    62
    --
     79
     62
     --
     177
     155
     ---
     22 ← remainder

```

$$6997 \div 37 = 189 \text{ remainder } 4$$

```

      189
37 | 6997
    37
    --
    329
    296
    ---

```

```

337
333
---
4 ← remainder

```

$$6997 \div 41 = 170 \text{ remainder } 27$$

```

170
41 | 6997
   41
   --
   289
   287
   ---
    27
    0
    -
    27 ← remainder

```

$$6997 \div 43 = 162 \text{ remainder } 31$$

```

162
43 | 6997
   43
   --
   269
   258
   ---
    117
    86
    --
    31 ← remainder

```

$$6997 \div 47 = 148 \text{ remainder } 41$$

```

148
47 | 6997
   47
   --
   229
   188
   ---
    417
    376

```

41 ← remainder

$$6997 \div 53 = 132 \text{ remainder } 1$$

132
53 | 6997
53
--
169
159

107
106

1 ← remainder

$$6997 \div 59 = 118 \text{ remainder } 35$$

118
59 | 6997
59
--
109
59
--
507
472

35 ← remainder

$$6997 \div 61 = 114 \text{ remainder } 43$$

114
61 | 6997
61
--
89
61
--
287
244

43 ← remainder

$$6997 \div 67 = 104 \text{ remainder } 29$$

$$\begin{array}{r}
 104 \\
 67 \overline{) 6997} \\
 \underline{67} \\
 29 \\
 \underline{0} \\
 297 \\
 \underline{268} \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$6997 \div 71 = 98 \text{ remainder } 39$$

$$\begin{array}{r}
 98 \\
 71 \overline{) 6997} \\
 \underline{639} \\
 607 \\
 \underline{568} \\
 39 \leftarrow \text{remainder}
 \end{array}$$

$$6997 \div 73 = 95 \text{ remainder } 62$$

$$\begin{array}{r}
 95 \\
 73 \overline{) 6997} \\
 \underline{657} \\
 427 \\
 \underline{365} \\
 62 \leftarrow \text{remainder}
 \end{array}$$

$$6997 \div 79 = 88 \text{ remainder } 45$$

$$\begin{array}{r}
 88 \\
 79 \overline{) 6997} \\
 \underline{632} \\
 677 \\
 \underline{632}
 \end{array}$$

45 ← remainder

$$6997 \div 83 = 84 \text{ remainder } 25$$

84
83 | 6997
664

357
332

25 ← remainder

P₉₀₁ 7001

$$7001 \div 2 = 3500 \text{ remainder } 1$$

$$\begin{array}{r} 3500 \\ 2 \mid 7001 \\ \underline{6} \\ 10 \\ \underline{10} \\ 00 \\ \underline{00} \\ 00 \\ \underline{00} \\ 01 \\ \underline{00} \\ 01 \leftarrow \text{remainder} \end{array}$$

$$7001 \div 3 = 2333 \text{ remainder } 2$$

$$\begin{array}{r} 2333 \\ 3 \mid 7001 \\ \underline{6} \\ 10 \\ \underline{9} \\ 10 \\ \underline{9} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7001 \div 5 = 1400 \text{ remainder } 1$$

$$\begin{array}{r} 1400 \\ 5 \mid 7001 \\ \underline{5} \\ 20 \\ \underline{20} \\ 01 \end{array}$$

```

20
20
--
0
0
-
1
0
-
1 ← remainder

```

$7001 \div 7 = 1000 \text{ remainder } 1$

```

1000
7 | 7001
  7
  -
  0
  0
  -
  0
  0
  -
  1
  0
  -
  1 ← remainder

```

$7001 \div 11 = 636 \text{ remainder } 5$

```

636
11 | 7001
   66
   --
   40
   33
   --
   71
   66
   --
   5 ← remainder

```

$7001 \div 13 = 538 \text{ remainder } 7$


```

      538
13 | 7001
    65
    --
    50
    39
    --
    111
    104
    ---
    7 ← remainder

```

$7001 \div 17 = 411 \text{ remainder } 14$

```

      411
17 | 7001
    68
    --
    20
    17
    --
    31
    17
    --
    14 ← remainder

```

$7001 \div 19 = 368 \text{ remainder } 9$

```

      368
19 | 7001
    57
    --
    130
    114
    ---
    161
    152
    ---
    9 ← remainder

```

$7001 \div 23 = 304 \text{ remainder } 9$

```

      304
23 | 7001

```

```

69
--
10
0
-
101
92
--
9 ← remainder

```

$$7001 \div 29 = 241 \text{ remainder } 12$$

```

241
29 | 7001
   58
   --
   120
   116
   ---
    41
    29
    --
    12 ← remainder

```

$$7001 \div 31 = 225 \text{ remainder } 26$$

```

225
31 | 7001
   62
   --
   80
   62
   --
   181
   155
   ---
    26 ← remainder

```

$$7001 \div 37 = 189 \text{ remainder } 8$$

```

189
37 | 7001
   37
   --

```

```

330
296
---
341
333
---
8 ← remainder

```

$$7001 \div 41 = 170 \text{ remainder } 31$$

```

170
41 | 7001
   41
   --
  290
  287
  ---
   31
   0
   -
   31 ← remainder

```

$$7001 \div 43 = 162 \text{ remainder } 35$$

```

162
43 | 7001
   43
   --
  270
  258
  ---
   121
   86
   --
   35 ← remainder

```

$$7001 \div 47 = 148 \text{ remainder } 45$$

```

148
47 | 7001
   47
   --
  230
  188

```

```

  ---
421
376
  ---
45 ← remainder

```

$$7001 \div 53 = 132 \text{ remainder } 5$$

```

    132
53 | 7001
    53
    --
    170
    159
    ---
    111
    106
    ---
    5 ← remainder

```

$$7001 \div 59 = 118 \text{ remainder } 39$$

```

    118
59 | 7001
    59
    --
    110
    59
    --
    511
    472
    ---
    39 ← remainder

```

$$7001 \div 61 = 114 \text{ remainder } 47$$

```

    114
61 | 7001
    61
    --
    90
    61
    --
    291

```

244

 47 ← remainder

$$7001 \div 67 = 104 \text{ remainder } 33$$

104
 67 | 7001
 67
 --
 30
 0
 -
 301
 268

 33 ← remainder

$$7001 \div 71 = 98 \text{ remainder } 43$$

98
 71 | 7001
 639

 611
 568

 43 ← remainder

$$7001 \div 73 = 95 \text{ remainder } 66$$

95
 73 | 7001
 657

 431
 365

 66 ← remainder

$$7001 \div 79 = 88 \text{ remainder } 49$$

88
 79 | 7001

632

681

632

49 ← remainder

$7001 \div 83 = 84 \text{ remainder } 29$

84

83 | 7001

664

361

332

29 ← remainder

P₉₀₂ 7013

$$7013 \div 2 = 3506 \text{ remainder } 1$$

$$\begin{array}{r} 3506 \\ 2 \mid 7013 \\ \underline{6} \\ 10 \\ \underline{10} \\ 0 \\ \underline{0} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7013 \div 3 = 2337 \text{ remainder } 2$$

```

2337
3 | 7013
  6
  -
 10
  9
  -
 11
  9
  -
 23
 21
  --
  2 ← remainder

```

$$7013 \div 5 = 1402 \text{ remainder } 3$$

$$\begin{array}{r} 1402 \\ 5 \overline{) 7013} \\ \underline{5} \\ 20 \\ \underline{20} \\ 00 \end{array}$$

```

20
20
--
1
0
-
13
10
--
3 ← remainder

```

$$7013 \div 7 = 1001 \text{ remainder } 6$$

```

1001
7 | 7013
  7
  -
  0
  0
  -
  1
  0
  -
  13
  7
  -
  6 ← remainder

```

$$7013 \div 11 = 637 \text{ remainder } 6$$

```

637
11 | 7013
   66
   --
   41
   33
   --
   83
   77
   --
   6 ← remainder

```

$$7013 \div 13 = 539 \text{ remainder } 6$$


```

      539
13 | 7013
    65
    --
    51
    39
    --
    123
    117
    ---
    6 ← remainder

```

$$7013 \div 17 = 412 \text{ remainder } 9$$

```

      412
17 | 7013
    68
    --
    21
    17
    --
    43
    34
    --
    9 ← remainder

```

$$7013 \div 19 = 369 \text{ remainder } 2$$

```

      369
19 | 7013
    57
    --
    131
    114
    ---
    173
    171
    ---
    2 ← remainder

```

$$7013 \div 23 = 304 \text{ remainder } 21$$

```

      304
23 | 7013

```

```

69
--
11
0
-
113
92
--
21 ← remainder

```

$$7013 \div 29 = 241 \text{ remainder } 24$$

```

      241
29 | 7013
    58
    --
    121
    116
    ---
     53
     29
     --
     24 ← remainder

```

$$7013 \div 31 = 226 \text{ remainder } 7$$

```

      226
31 | 7013
    62
    --
     81
     62
     --
     193
     186
     ---
      7 ← remainder

```

$$7013 \div 37 = 189 \text{ remainder } 20$$

```

      189
37 | 7013
    37
    --

```

```

331
296
---
353
333
---
20 ← remainder

```

$$7013 \div 41 = 171 \text{ remainder } 2$$

```

171
41 | 7013
   41
   --
  291
  287
  ---
   43
   41
   --
    2 ← remainder

```

$$7013 \div 43 = 163 \text{ remainder } 4$$

```

163
43 | 7013
   43
   --
  271
  258
  ---
   133
   129
   ---
    4 ← remainder

```

$$7013 \div 47 = 149 \text{ remainder } 10$$

```

149
47 | 7013
   47
   --
  231
  188

```

```

  ---
433
423
  ---
10 ← remainder

```

$$7013 \div 53 = 132 \text{ remainder } 17$$

```

    132
53 | 7013
    53
    --
    171
    159
    ---
    123
    106
    ---
    17 ← remainder

```

$$7013 \div 59 = 118 \text{ remainder } 51$$

```

    118
59 | 7013
    59
    --
    111
    59
    --
    523
    472
    ---
    51 ← remainder

```

$$7013 \div 61 = 114 \text{ remainder } 59$$

```

    114
61 | 7013
    61
    --
    91
    61
    --
    303

```

244

59 ← remainder

$$7013 \div 67 = 104 \text{ remainder } 45$$

104

67 | 7013

67

--

31

0

-

313

268

45 ← remainder

$$7013 \div 71 = 98 \text{ remainder } 55$$

98

71 | 7013

639

623

568

55 ← remainder

$$7013 \div 73 = 96 \text{ remainder } 5$$

96

73 | 7013

657

443

438

5 ← remainder

$$7013 \div 79 = 88 \text{ remainder } 61$$

88

79 | 7013

632

693

632

61 ← remainder

$7013 \div 83 = 84 \text{ remainder } 41$

84

83 | 7013

664

373

332

41 ← remainder

P₉₀₃ 7019

$$7019 \div 2 = 3509 \text{ remainder } 1$$

$$\begin{array}{r} 3509 \\ 2 \mid 7019 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ -- \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7019 \div 3 = 2339 \text{ remainder } 2$$

$$\begin{array}{r} 2339 \\ 3 \mid 7019 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7019 \div 5 = 1403 \text{ remainder } 4$$

$$\begin{array}{r} 1403 \\ 5 \mid 7019 \\ \underline{5} \\ - \end{array}$$

```

20
20
--
1
0
-
19
15
--
4 ← remainder

```

$$7019 \div 7 = 1002 \text{ remainder } 5$$

```

1002
7 | 7019
  7
  -
  0
  0
  -
  1
  0
  -
  19
  14
  --
  5 ← remainder

```

$$7019 \div 11 = 638 \text{ remainder } 1$$

```

638
11 | 7019
   66
   --
   41
   33
   --
   89
   88
   --
   1 ← remainder

```

$$7019 \div 13 = 539 \text{ remainder } 12$$


```

      539
13 | 7019
    65
    --
    51
    39
    --
    129
    117
    ---
    12 ← remainder

```

$7019 \div 17 = 412 \text{ remainder } 15$

```

      412
17 | 7019
    68
    --
    21
    17
    --
    49
    34
    --
    15 ← remainder

```

$7019 \div 19 = 369 \text{ remainder } 8$

```

      369
19 | 7019
    57
    --
    131
    114
    ---
    179
    171
    ---
    8 ← remainder

```

$7019 \div 23 = 305 \text{ remainder } 4$

```

      305
23 | 7019

```

```

69
--
11
0
-
119
115
---
4 ← remainder

```

$$7019 \div 29 = 242 \text{ remainder } 1$$

```

242
29 | 7019
   58
   --
   121
   116
   ---
    59
    58
    --
    1 ← remainder

```

$$7019 \div 31 = 226 \text{ remainder } 13$$

```

226
31 | 7019
   62
   --
   81
   62
   --
   199
   186
   ---
   13 ← remainder

```

$$7019 \div 37 = 189 \text{ remainder } 26$$

```

189
37 | 7019
   37
   --

```

```

331
296
---
359
333
---
26 ← remainder

```

$$7019 \div 41 = 171 \text{ remainder } 8$$

```

      171
41 | 7019
    41
    --
    291
    287
    ---
     49
     41
     --
      8 ← remainder

```

$$7019 \div 43 = 163 \text{ remainder } 10$$

```

      163
43 | 7019
    43
    --
    271
    258
    ---
    139
    129
    ---
     10 ← remainder

```

$$7019 \div 47 = 149 \text{ remainder } 16$$

```

      149
47 | 7019
    47
    --
    231
    188

```

```

  ---
439
423
  ---
16 ← remainder

```

$$7019 \div 53 = 132 \text{ remainder } 23$$

```

  132
53 | 7019
   53
   --
   171
   159
   ---
   129
   106
   ---
   23 ← remainder

```

$$7019 \div 59 = 118 \text{ remainder } 57$$

```

  118
59 | 7019
   59
   --
   111
   59
   --
   529
   472
   ---
   57 ← remainder

```

$$7019 \div 61 = 115 \text{ remainder } 4$$

```

  115
61 | 7019
   61
   --
   91
   61
   --
   309

```

305

4 ← remainder

$$7019 \div 67 = 104 \text{ remainder } 51$$

104

67 | 7019

67

--

31

0

-

319

268

51 ← remainder

$$7019 \div 71 = 98 \text{ remainder } 61$$

98

71 | 7019

639

629

568

61 ← remainder

$$7019 \div 73 = 96 \text{ remainder } 11$$

96

73 | 7019

657

449

438

11 ← remainder

$$7019 \div 79 = 88 \text{ remainder } 67$$

88

79 | 7019

```

632
---
699
632
---
67 ← remainder

```

$7019 \div 83 = 84 \text{ remainder } 47$

```

      84
83 | 7019
    664
    ---
     379
     332
     ---
      47 ← remainder

```

P₉₀₄ 7027

$$7027 \div 2 = 3513 \text{ remainder } 1$$

$$\begin{array}{r} 3513 \\ 2 \mid 7027 \\ \underline{6} \\ 10 \\ \underline{10} \\ 2 \\ \underline{2} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7027 \div 3 = 2342 \text{ remainder } 1$$

$$\begin{array}{r} 2342 \\ 3 \mid 7027 \\ \underline{6} \\ 10 \\ \underline{9} \\ 12 \\ \underline{12} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7027 \div 5 = 1405 \text{ remainder } 2$$

$$\begin{array}{r} 1405 \\ 5 \mid 7027 \\ \underline{5} \\ 20 \\ \underline{20} \\ 7 \\ \underline{5} \\ 2 \end{array}$$

```

20
20
--
2
0
-
27
25
--
2 ← remainder

```

$$7027 \div 7 = 1003 \text{ remainder } 6$$

```

1003
7 | 7027
  7
  -
  0
  0
  -
  2
  0
  -
  27
  21
  --
  6 ← remainder

```

$$7027 \div 11 = 638 \text{ remainder } 9$$

```

638
11 | 7027
   66
   --
   42
   33
   --
   97
   88
   --
   9 ← remainder

```

$$7027 \div 13 = 540 \text{ remainder } 7$$

$$\begin{array}{r}
 540 \\
 13 \mid 7027 \\
 \underline{65} \\
 -- \\
 52 \\
 \underline{52} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7027 \div 17 = 413 \text{ remainder } 6$$

$$\begin{array}{r}
 413 \\
 17 \mid 7027 \\
 \underline{68} \\
 -- \\
 22 \\
 \underline{17} \\
 -- \\
 57 \\
 \underline{51} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7027 \div 19 = 369 \text{ remainder } 16$$

$$\begin{array}{r}
 369 \\
 19 \mid 7027 \\
 \underline{57} \\
 -- \\
 132 \\
 \underline{114} \\
 --- \\
 187 \\
 \underline{171} \\
 --- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$7027 \div 23 = 305 \text{ remainder } 12$$

$$\begin{array}{r}
 305 \\
 23 \mid 7027
 \end{array}$$

```

69
--
12
0
-
127
115
---
12 ← remainder

```

$$7027 \div 29 = 242 \text{ remainder } 9$$

```

242
29 | 7027
   58
   --
   122
   116
   ---
    67
    58
    --
    9 ← remainder

```

$$7027 \div 31 = 226 \text{ remainder } 21$$

```

226
31 | 7027
   62
   --
   82
   62
   --
   207
   186
   ---
   21 ← remainder

```

$$7027 \div 37 = 189 \text{ remainder } 34$$

```

189
37 | 7027
   37
   --

```

```

332
296
---
367
333
---
34 ← remainder

```

$$7027 \div 41 = 171 \text{ remainder } 16$$

```

      171
41 | 7027
    41
    --
    292
    287
    ---
     57
     41
     --
     16 ← remainder

```

$$7027 \div 43 = 163 \text{ remainder } 18$$

```

      163
43 | 7027
    43
    --
    272
    258
    ---
    147
    129
    ---
     18 ← remainder

```

$$7027 \div 47 = 149 \text{ remainder } 24$$

```

      149
47 | 7027
    47
    --
    232
    188

```

```

  ---
447
423
  ---
24 ← remainder

```

$$7027 \div 53 = 132 \text{ remainder } 31$$

```

    132
53 | 7027
    53
    --
    172
    159
    ---
    137
    106
    ---
    31 ← remainder

```

$$7027 \div 59 = 119 \text{ remainder } 6$$

```

    119
59 | 7027
    59
    --
    112
    59
    --
    537
    531
    ---
    6 ← remainder

```

$$7027 \div 61 = 115 \text{ remainder } 12$$

```

    115
61 | 7027
    61
    --
    92
    61
    --
    317

```

305

12 \leftarrow remainder

$$7027 \div 67 = 104 \text{ remainder } 59$$

104

67 | 7027

67

--

32

0

-

327

268

59 \leftarrow remainder

$$7027 \div 71 = 98 \text{ remainder } 69$$

98

71 | 7027

639

637

568

69 \leftarrow remainder

$$7027 \div 73 = 96 \text{ remainder } 19$$

96

73 | 7027

657

457

438

19 \leftarrow remainder

$$7027 \div 79 = 88 \text{ remainder } 75$$

88

79 | 7027

```

632
---
707
632
---
75 ← remainder

```

$7027 \div 83 = 84 \text{ remainder } 55$

```

      84
83 | 7027
    664
    ---
    387
    332
    ---
    55 ← remainder

```

P₉₀₅ 7039

$$7039 \div 2 = 3519 \text{ remainder } 1$$

$$\begin{array}{r} 3519 \\ 2 \mid 7039 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ -- \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7039 \div 3 = 2346 \text{ remainder } 1$$

$$\begin{array}{r} 2346 \\ 3 \mid 7039 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7039 \div 5 = 1407 \text{ remainder } 4$$

$$\begin{array}{r} 1407 \\ 5 \mid 7039 \\ \underline{5} \\ - \end{array}$$

```

20
20
--
3
0
-
39
35
--
4 ← remainder

```

$$7039 \div 7 = 1005 \text{ remainder } 4$$

```

1005
7 | 7039
  7
  -
  0
  0
  -
  3
  0
  -
  39
  35
  --
  4 ← remainder

```

$$7039 \div 11 = 639 \text{ remainder } 10$$

```

639
11 | 7039
   66
   --
   43
   33
   --
  109
   99
   --
  10 ← remainder

```

$$7039 \div 13 = 541 \text{ remainder } 6$$


```

      541
13 | 7039
    65
    --
    53
    52
    --
    19
    13
    --
    6 ← remainder

```

$$7039 \div 17 = 414 \text{ remainder } 1$$

```

      414
17 | 7039
    68
    --
    23
    17
    --
    69
    68
    --
    1 ← remainder

```

$$7039 \div 19 = 370 \text{ remainder } 9$$

```

      370
19 | 7039
    57
    --
    133
    133
    ---
     9
     0
     -
     9 ← remainder

```

$$7039 \div 23 = 306 \text{ remainder } 1$$

```

      306
23 | 7039

```

```

69
--
13
0
-
139
138
---
1 ← remainder

```

$$7039 \div 29 = 242 \text{ remainder } 21$$

```

242
29 | 7039
   58
   --
   123
   116
   ---
    79
    58
    --
    21 ← remainder

```

$$7039 \div 31 = 227 \text{ remainder } 2$$

```

227
31 | 7039
   62
   --
   83
   62
   --
   219
   217
   ---
    2 ← remainder

```

$$7039 \div 37 = 190 \text{ remainder } 9$$

```

190
37 | 7039
   37
   --

```

```

333
333
---
9
0
-
9 ← remainder

```

$$7039 \div 41 = 171 \text{ remainder } 28$$

```

171
41 | 7039
   41
   --
  293
  287
  ---
   69
   41
   --
  28 ← remainder

```

$$7039 \div 43 = 163 \text{ remainder } 30$$

```

163
43 | 7039
   43
   --
  273
  258
  ---
   159
   129
   ---
   30 ← remainder

```

$$7039 \div 47 = 149 \text{ remainder } 36$$

```

149
47 | 7039
   47
   --
  233
  188

```

```

  ---
459
423
  ---
36 ← remainder

```

$$7039 \div 53 = 132 \text{ remainder } 43$$

```

  132
53 | 7039
   53
   --
   173
   159
   ---
   149
   106
   ---
   43 ← remainder

```

$$7039 \div 59 = 119 \text{ remainder } 18$$

```

  119
59 | 7039
   59
   --
   113
   59
   --
   549
   531
   ---
   18 ← remainder

```

$$7039 \div 61 = 115 \text{ remainder } 24$$

```

  115
61 | 7039
   61
   --
   93
   61
   --
   329

```

305

24 ← remainder

$$7039 \div 67 = 105 \text{ remainder } 4$$

105

67 | 7039

67

--

33

0

-

339

335

4 ← remainder

$$7039 \div 71 = 99 \text{ remainder } 10$$

99

71 | 7039

639

649

639

10 ← remainder

$$7039 \div 73 = 96 \text{ remainder } 31$$

96

73 | 7039

657

469

438

31 ← remainder

$$7039 \div 79 = 89 \text{ remainder } 8$$

89

79 | 7039

```

632
---
719
711
---
8 ← remainder

```

$$7039 \div 83 = 84 \text{ remainder } 67$$

```

      84
83 | 7039
    664
    ---
     399
     332
     ---
     67 ← remainder

```

P₉₀₆ 7043

$$7043 \div 2 = 3521 \text{ remainder } 1$$

$$\begin{array}{r} 3521 \\ 2 \mid 7043 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ - - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7043 \div 3 = 2347 \text{ remainder } 2$$

$$\begin{array}{r} 2347 \\ 3 \mid 7043 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 14 \\ \underline{12} \\ - - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7043 \div 5 = 1408 \text{ remainder } 3$$

$$\begin{array}{r} 1408 \\ 5 \mid 7043 \\ \underline{5} \\ - \end{array}$$

```

20
20
--
4
0
-
43
40
--
3 ← remainder

```

$$7043 \div 7 = 1006 \text{ remainder } 1$$

```

1006
7 | 7043
  7
  -
  0
  0
  -
  4
  0
  -
  43
  42
  --
  1 ← remainder

```

$$7043 \div 11 = 640 \text{ remainder } 3$$

```

640
11 | 7043
   66
   --
   44
   44
   --
   3
   0
   -
   3 ← remainder

```

$$7043 \div 13 = 541 \text{ remainder } 10$$


```

      541
13 | 7043
    65
    --
    54
    52
    --
    23
    13
    --
    10 ← remainder

```

$$7043 \div 17 = 414 \text{ remainder } 5$$

```

      414
17 | 7043
    68
    --
    24
    17
    --
    73
    68
    --
    5 ← remainder

```

$$7043 \div 19 = 370 \text{ remainder } 13$$

```

      370
19 | 7043
    57
    --
    134
    133
    ---
    13
    0
    -
    13 ← remainder

```

$$7043 \div 23 = 306 \text{ remainder } 5$$

```

      306
23 | 7043

```

```

69
--
14
0
-
143
138
---
5 ← remainder

```

$$7043 \div 29 = 242 \text{ remainder } 25$$

```

242
29 | 7043
   58
   --
   124
   116
   ---
    83
    58
    --
    25 ← remainder

```

$$7043 \div 31 = 227 \text{ remainder } 6$$

```

227
31 | 7043
   62
   --
   84
   62
   --
   223
   217
   ---
    6 ← remainder

```

$$7043 \div 37 = 190 \text{ remainder } 13$$

```

190
37 | 7043
   37
   --

```

```

334
333
---
13
0
-
13 ← remainder

```

$$7043 \div 41 = 171 \text{ remainder } 32$$

```

171
41 | 7043
   41
   --
  294
  287
  ---
   73
   41
   --
   32 ← remainder

```

$$7043 \div 43 = 163 \text{ remainder } 34$$

```

163
43 | 7043
   43
   --
  274
  258
  ---
   163
   129
   ---
    34 ← remainder

```

$$7043 \div 47 = 149 \text{ remainder } 40$$

```

149
47 | 7043
   47
   --
  234
  188

```

```

  ---
463
423
  ---
40 ← remainder

```

$$7043 \div 53 = 132 \text{ remainder } 47$$

```

    132
53 | 7043
    53
    --
    174
    159
    ---
    153
    106
    ---
    47 ← remainder

```

$$7043 \div 59 = 119 \text{ remainder } 22$$

```

    119
59 | 7043
    59
    --
    114
    59
    --
    553
    531
    ---
    22 ← remainder

```

$$7043 \div 61 = 115 \text{ remainder } 28$$

```

    115
61 | 7043
    61
    --
    94
    61
    --
    333

```

305

28 ← remainder

$$7043 \div 67 = 105 \text{ remainder } 8$$

105

67 | 7043

67

--

34

0

-

343

335

8 ← remainder

$$7043 \div 71 = 99 \text{ remainder } 14$$

99

71 | 7043

639

653

639

14 ← remainder

$$7043 \div 73 = 96 \text{ remainder } 35$$

96

73 | 7043

657

473

438

35 ← remainder

$$7043 \div 79 = 89 \text{ remainder } 12$$

89

79 | 7043

```

632
---
723
711
---
12 ← remainder

```

$7043 \div 83 = 84 \text{ remainder } 71$

```

      84
83 | 7043
    664
    ---
    403
    332
    ---
    71 ← remainder

```

P₉₀₇ 7057

$$7057 \div 2 = 3528 \text{ remainder } 1$$

$$\begin{array}{r} 3528 \\ 2 \mid 7057 \\ \underline{6} \\ 10 \\ \underline{10} \\ 00 \\ 5 \\ \underline{4} \\ 17 \\ \underline{16} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7057 \div 3 = 2352 \text{ remainder } 1$$

$$\begin{array}{r} 2352 \\ 3 \mid 7057 \\ \underline{6} \\ 10 \\ \underline{9} \\ 15 \\ \underline{15} \\ 7 \\ \underline{6} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7057 \div 5 = 1411 \text{ remainder } 2$$

$$\begin{array}{r} 1411 \\ 5 \mid 7057 \\ \underline{5} \\ 20 \\ \underline{20} \\ 7 \\ \underline{5} \\ 2 \end{array}$$

```

20
20
--
5
5
-
7
5
-
2 ← remainder

```

$$7057 \div 7 = 1008 \text{ remainder } 1$$

```

1008
7 | 7057
  7
  -
  0
  0
  -
  5
  0
  -
  57
  56
  --
  1 ← remainder

```

$$7057 \div 11 = 641 \text{ remainder } 6$$

```

641
11 | 7057
   66
   --
   45
   44
   --
   17
   11
   --
   6 ← remainder

```

$$7057 \div 13 = 542 \text{ remainder } 11$$

542
 13 | 7057
 65
 --
 55
 52
 --
 37
 26
 --
 11 ← remainder

$$7057 \div 17 = 415 \text{ remainder } 2$$

415
 17 | 7057
 68
 --
 25
 17
 --
 87
 85
 --
 2 ← remainder

$$7057 \div 19 = 371 \text{ remainder } 8$$

371
 19 | 7057
 57
 --
 135
 133

 27
 19
 --
 8 ← remainder

$$7057 \div 23 = 306 \text{ remainder } 19$$

306
 23 | 7057

```

69
--
15
0
-
157
138
---
19 ← remainder

```

$$7057 \div 29 = 243 \text{ remainder } 10$$

```

      243
29 | 7057
    58
    --
    125
    116
    ---
     97
     87
     --
     10 ← remainder

```

$$7057 \div 31 = 227 \text{ remainder } 20$$

```

      227
31 | 7057
    62
    --
     85
     62
     --
     237
     217
     ---
      20 ← remainder

```

$$7057 \div 37 = 190 \text{ remainder } 27$$

```

      190
37 | 7057
    37
    --

```

```

335
333
---
27
0
-
27 ← remainder

```

$$7057 \div 41 = 172 \text{ remainder } 5$$

```

172
41 | 7057
   41
   --
  295
  287
  ---
   87
   82
   --
    5 ← remainder

```

$$7057 \div 43 = 164 \text{ remainder } 5$$

```

164
43 | 7057
   43
   --
  275
  258
  ---
   177
   172
   ---
    5 ← remainder

```

$$7057 \div 47 = 150 \text{ remainder } 7$$

```

150
47 | 7057
   47
   --
  235
  235
  ---
    0

```

```

  ---
  7
  0
  -
  7 ← remainder

```

$$7057 \div 53 = 133 \text{ remainder } 8$$

```

    133
  53 | 7057
    53
    --
    175
    159
    ---
    167
    159
    ---
    8 ← remainder

```

$$7057 \div 59 = 119 \text{ remainder } 36$$

```

    119
  59 | 7057
    59
    --
    115
    59
    --
    567
    531
    ---
    36 ← remainder

```

$$7057 \div 61 = 115 \text{ remainder } 42$$

```

    115
  61 | 7057
    61
    --
    95
    61
    --
    347

```

305

42 ← remainder

$$7057 \div 67 = 105 \text{ remainder } 22$$

105

67 | 7057

67

--

35

0

-

357

335

22 ← remainder

$$7057 \div 71 = 99 \text{ remainder } 28$$

99

71 | 7057

639

667

639

28 ← remainder

$$7057 \div 73 = 96 \text{ remainder } 49$$

96

73 | 7057

657

487

438

49 ← remainder

$$7057 \div 79 = 89 \text{ remainder } 26$$

89

79 | 7057

```

632
---
737
711
---
26 ← remainder

```

$$7057 \div 83 = 85 \text{ remainder } 2$$

```

      85
83 | 7057
    664
    ---
    417
    415
    ---
    2 ← remainder

```

P₉₀₈ 7069

$$7069 \div 2 = 3534 \text{ remainder } 1$$

$$\begin{array}{r} 3534 \\ 2 \mid 7069 \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ - - \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7069 \div 3 = 2356 \text{ remainder } 1$$

$$\begin{array}{r} 2356 \\ 3 \mid 7069 \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 16 \\ \underline{15} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7069 \div 5 = 1413 \text{ remainder } 4$$

$$\begin{array}{r} 1413 \\ 5 \mid 7069 \\ \underline{5} \\ - \end{array}$$

```

20
20
--
6
5
-
19
15
--
4 ← remainder

```

$$7069 \div 7 = 1009 \text{ remainder } 6$$

```

1009
7 | 7069
  7
  -
  0
  0
  -
  6
  0
  -
  69
  63
  --
  6 ← remainder

```

$$7069 \div 11 = 642 \text{ remainder } 7$$

```

642
11 | 7069
   66
   --
   46
   44
   --
   29
   22
   --
   7 ← remainder

```

$$7069 \div 13 = 543 \text{ remainder } 10$$


```

      543
13 | 7069
    65
    --
    56
    52
    --
    49
    39
    --
    10 ← remainder

```

$7069 \div 17 = 415 \text{ remainder } 14$

```

      415
17 | 7069
    68
    --
    26
    17
    --
    99
    85
    --
    14 ← remainder

```

$7069 \div 19 = 372 \text{ remainder } 1$

```

      372
19 | 7069
    57
    --
    136
    133
    ---
    39
    38
    --
    1 ← remainder

```

$7069 \div 23 = 307 \text{ remainder } 8$

```

      307
23 | 7069

```

```

69
--
16
0
-
169
161
---
8 ← remainder

```

$$7069 \div 29 = 243 \text{ remainder } 22$$

```

243
29 | 7069
   58
   --
   126
   116
   ---
   109
   87
   --
   22 ← remainder

```

$$7069 \div 31 = 228 \text{ remainder } 1$$

```

228
31 | 7069
   62
   --
   86
   62
   --
   249
   248
   ---
   1 ← remainder

```

$$7069 \div 37 = 191 \text{ remainder } 2$$

```

191
37 | 7069
   37
   --

```

```

336
333
---
39
37
--
2 ← remainder

```

$$7069 \div 41 = 172 \text{ remainder } 17$$

```

172
41 | 7069
   41
   --
  296
  287
  ---
   99
   82
   --
  17 ← remainder

```

$$7069 \div 43 = 164 \text{ remainder } 17$$

```

164
43 | 7069
   43
   --
  276
  258
  ---
   189
   172
   ---
   17 ← remainder

```

$$7069 \div 47 = 150 \text{ remainder } 19$$

```

150
47 | 7069
   47
   --
  236
  235

```

 19
 0
 -

19 ← remainder

$$7069 \div 53 = 133 \text{ remainder } 20$$

133
 53 | 7069
 53
 --
 176
 159

 179
 159

 20 ← remainder

$$7069 \div 59 = 119 \text{ remainder } 48$$

119
 59 | 7069
 59
 --
 116
 59
 --
 579
 531

 48 ← remainder

$$7069 \div 61 = 115 \text{ remainder } 54$$

115
 61 | 7069
 61
 --
 96
 61
 --
 359

305

54 ← remainder

$$7069 \div 67 = 105 \text{ remainder } 34$$

105

67 | 7069

67

--

36

0

-

369

335

34 ← remainder

$$7069 \div 71 = 99 \text{ remainder } 40$$

99

71 | 7069

639

679

639

40 ← remainder

$$7069 \div 73 = 96 \text{ remainder } 61$$

96

73 | 7069

657

499

438

61 ← remainder

$$7069 \div 79 = 89 \text{ remainder } 38$$

89

79 | 7069

```

632
---
749
711
---
38 ← remainder

```

$7069 \div 83 = 85 \text{ remainder } 14$

```

      85
83 | 7069
    664
    ---
    429
    415
    ---
    14 ← remainder

```

P₉₀₉ 7079

$$7079 \div 2 = 3539 \text{ remainder } 1$$

$$\begin{array}{r} 3539 \\ 2 \overline{) 7079} \\ \underline{6} \\ - \\ 10 \\ \underline{10} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7079 \div 3 = 2359 \text{ remainder } 2$$

$$\begin{array}{r} 2359 \\ 3 \overline{) 7079} \\ \underline{6} \\ - \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7079 \div 5 = 1415 \text{ remainder } 4$$

$$\begin{array}{r} 1415 \\ 5 \overline{) 7079} \\ \underline{5} \\ - \end{array}$$

```

20
20
--
7
5
-
29
25
--
4 ← remainder

```

$$7079 \div 7 = 1011 \text{ remainder } 2$$

```

1011
7 | 7079
  7
  -
  0
  0
  -
  7
  7
  -
  9
  7
  -
  2 ← remainder

```

$$7079 \div 11 = 643 \text{ remainder } 6$$

```

643
11 | 7079
   66
   --
   47
   44
   --
   39
   33
   --
   6 ← remainder

```

$$7079 \div 13 = 544 \text{ remainder } 7$$


```

      544
13 | 7079
    65
    --
    57
    52
    --
    59
    52
    --
    7 ← remainder

```

$7079 \div 17 = 416 \text{ remainder } 7$

```

      416
17 | 7079
    68
    --
    27
    17
    --
    109
    102
    ---
    7 ← remainder

```

$7079 \div 19 = 372 \text{ remainder } 11$

```

      372
19 | 7079
    57
    --
    137
    133
    ---
    49
    38
    --
    11 ← remainder

```

$7079 \div 23 = 307 \text{ remainder } 18$

```

      307
23 | 7079

```

```

69
--
17
0
-
179
161
---
18 ← remainder

```

$$7079 \div 29 = 244 \text{ remainder } 3$$

```

      244
29 | 7079
    58
    --
    127
    116
    ---
    119
    116
    ---
    3 ← remainder

```

$$7079 \div 31 = 228 \text{ remainder } 11$$

```

      228
31 | 7079
    62
    --
    87
    62
    --
    259
    248
    ---
    11 ← remainder

```

$$7079 \div 37 = 191 \text{ remainder } 12$$

```

      191
37 | 7079
    37
    --

```

```

337
333
---
49
37
--
12 ← remainder

```

$$7079 \div 41 = 172 \text{ remainder } 27$$

```

      172
41 | 7079
    41
    --
   297
   287
   ---
   109
   82
   --
   27 ← remainder

```

$$7079 \div 43 = 164 \text{ remainder } 27$$

```

      164
43 | 7079
    43
    --
   277
   258
   ---
   199
   172
   ---
   27 ← remainder

```

$$7079 \div 47 = 150 \text{ remainder } 29$$

```

      150
47 | 7079
    47
    --
   237
   235

```

```

  ---
  29
  0
  -
  29 ← remainder

```

$$7079 \div 53 = 133 \text{ remainder } 30$$

```

    133
  53 | 7079
     53
     --
    177
    159
     ---
    189
    159
     ---
    30 ← remainder

```

$$7079 \div 59 = 119 \text{ remainder } 58$$

```

    119
  59 | 7079
     59
     --
    117
    59
     --
    589
    531
     ---
    58 ← remainder

```

$$7079 \div 61 = 116 \text{ remainder } 3$$

```

    116
  61 | 7079
     61
     --
    97
    61
     --
    369

```

366

3 ← remainder

$$7079 \div 67 = 105 \text{ remainder } 44$$

105

67 | 7079

67

--

37

0

-

379

335

44 ← remainder

$$7079 \div 71 = 99 \text{ remainder } 50$$

99

71 | 7079

639

689

639

50 ← remainder

$$7079 \div 73 = 96 \text{ remainder } 71$$

96

73 | 7079

657

509

438

71 ← remainder

$$7079 \div 79 = 89 \text{ remainder } 48$$

89

79 | 7079

```

632
---
759
711
---
48 ← remainder

```

$7079 \div 83 = 85 \text{ remainder } 24$

```

      85
83 | 7079
    664
    ---
    439
    415
    ---
    24 ← remainder

```

P₉₁₀ 7103

$$7103 \div 2 = 3551 \text{ remainder } 1$$

$$\begin{array}{r} 3551 \\ 2 \mid 7103 \\ \underline{6} \\ 11 \\ \underline{10} \\ 10 \\ \underline{10} \\ 3 \\ \underline{2} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7103 \div 3 = 2367 \text{ remainder } 2$$

$$\begin{array}{r} 2367 \\ 3 \mid 7103 \\ \underline{6} \\ 11 \\ \underline{9} \\ 20 \\ \underline{18} \\ 23 \\ \underline{21} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7103 \div 5 = 1420 \text{ remainder } 3$$

$$\begin{array}{r} 1420 \\ 5 \mid 7103 \\ \underline{5} \\ - \end{array}$$

```

21
20
--
10
10
--
3
0
-
3 ← remainder

```

$$7103 \div 7 = 1014 \text{ remainder } 5$$

```

1014
7 | 7103
  7
  -
  1
  0
  -
  10
  7
  -
  33
  28
  --
  5 ← remainder

```

$$7103 \div 11 = 645 \text{ remainder } 8$$

```

645
11 | 7103
   66
   --
   50
   44
   --
   63
   55
   --
   8 ← remainder

```

$$7103 \div 13 = 546 \text{ remainder } 5$$


```

      546
13 | 7103
    65
    --
    60
    52
    --
    83
    78
    --
    5 ← remainder

```

$7103 \div 17 = 417 \text{ remainder } 14$

```

      417
17 | 7103
    68
    --
    30
    17
    --
    133
    119
    ---
    14 ← remainder

```

$7103 \div 19 = 373 \text{ remainder } 16$

```

      373
19 | 7103
    57
    --
    140
    133
    ---
    73
    57
    --
    16 ← remainder

```

$7103 \div 23 = 308 \text{ remainder } 19$

```

      308
23 | 7103

```

```

69
--
20
0
-
203
184
---
19 ← remainder

```

$$7103 \div 29 = 244 \text{ remainder } 27$$

```

244
29 | 7103
   58
   --
   130
   116
   ---
   143
   116
   ---
   27 ← remainder

```

$$7103 \div 31 = 229 \text{ remainder } 4$$

```

229
31 | 7103
   62
   --
   90
   62
   --
   283
   279
   ---
   4 ← remainder

```

$$7103 \div 37 = 191 \text{ remainder } 36$$

```

191
37 | 7103
   37
   --

```

```

340
333
---
73
37
--
36 ← remainder

```

$$7103 \div 41 = 173 \text{ remainder } 10$$

```

173
41 | 7103
   41
   --
   300
   287
   ---
   133
   123
   ---
   10 ← remainder

```

$$7103 \div 43 = 165 \text{ remainder } 8$$

```

165
43 | 7103
   43
   --
   280
   258
   ---
   223
   215
   ---
   8 ← remainder

```

$$7103 \div 47 = 151 \text{ remainder } 6$$

```

151
47 | 7103
   47
   --
   240
   235

```

```

---
53
47
--
6 ← remainder

```

$$7103 \div 53 = 134 \text{ remainder } 1$$

```

134
53 | 7103
   53
   --
   180
   159
   ---
   213
   212
   ---
   1 ← remainder

```

$$7103 \div 59 = 120 \text{ remainder } 23$$

```

120
59 | 7103
   59
   --
   120
   118
   ---
   23
   0
   -
   23 ← remainder

```

$$7103 \div 61 = 116 \text{ remainder } 27$$

```

116
61 | 7103
   61
   --
   100
   61
   --
   393

```

366

 27 ← remainder

$$7103 \div 67 = 106 \text{ remainder } 1$$

106
 67 | 7103
 67
 --
 40
 0
 -
 403
 402

 1 ← remainder

$$7103 \div 71 = 100 \text{ remainder } 3$$

100
 71 | 7103
 71
 --
 0
 0
 -
 3
 0
 -
 3 ← remainder

$$7103 \div 73 = 97 \text{ remainder } 22$$

97
 73 | 7103
 657

 533
 511

 22 ← remainder

$$7103 \div 79 = 89 \text{ remainder } 72$$

$$\begin{array}{r}
 89 \\
 79 \mid 7103 \\
 \underline{632} \\
 783 \\
 \underline{711} \\
 72 \leftarrow \text{remainder}
 \end{array}$$

$$7103 \div 83 = 85 \text{ remainder } 48$$

$$\begin{array}{r}
 85 \\
 83 \mid 7103 \\
 \underline{664} \\
 463 \\
 \underline{415} \\
 48 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₁ 7109

$$7109 \div 2 = 3554 \text{ remainder } 1$$

$$\begin{array}{r} 3554 \\ 2 \mid 7109 \\ \underline{6} \\ 11 \\ \underline{10} \\ 10 \\ \underline{10} \\ 9 \\ \underline{8} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7109 \div 3 = 2369 \text{ remainder } 2$$

$$\begin{array}{r} 2369 \\ 3 \mid 7109 \\ \underline{6} \\ 11 \\ \underline{9} \\ 20 \\ \underline{18} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7109 \div 5 = 1421 \text{ remainder } 4$$

$$\begin{array}{r} 1421 \\ 5 \mid 7109 \\ \underline{5} \\ \end{array}$$

```

21
20
--
10
10
--
9
5
-
4 ← remainder

```

$$7109 \div 7 = 1015 \text{ remainder } 4$$

```

  1015
7 | 7109
  7
  -
  1
  0
  -
  10
  7
  -
  39
  35
  --
  4 ← remainder

```

$$7109 \div 11 = 646 \text{ remainder } 3$$

```

  646
11 | 7109
   66
   --
   50
   44
   --
   69
   66
   --
   3 ← remainder

```

$$7109 \div 13 = 546 \text{ remainder } 11$$


```

      546
13 | 7109
    65
    --
    60
    52
    --
    89
    78
    --
    11 ← remainder

```

$$7109 \div 17 = 418 \text{ remainder } 3$$

```

      418
17 | 7109
    68
    --
    30
    17
    --
    139
    136
    ---
    3 ← remainder

```

$$7109 \div 19 = 374 \text{ remainder } 3$$

```

      374
19 | 7109
    57
    --
    140
    133
    ---
    79
    76
    --
    3 ← remainder

```

$$7109 \div 23 = 309 \text{ remainder } 2$$

```

      309
23 | 7109

```

```

69
--
20
0
-
209
207
---
2 ← remainder

```

$$7109 \div 29 = 245 \text{ remainder } 4$$

```

245
29 | 7109
   58
   --
   130
   116
   ---
   149
   145
   ---
   4 ← remainder

```

$$7109 \div 31 = 229 \text{ remainder } 10$$

```

229
31 | 7109
   62
   --
   90
   62
   --
   289
   279
   ---
   10 ← remainder

```

$$7109 \div 37 = 192 \text{ remainder } 5$$

```

192
37 | 7109
   37
   --

```

```

340
333
---
79
74
--
5 ← remainder

```

$$7109 \div 41 = 173 \text{ remainder } 16$$

```

      173
41 | 7109
    41
    --
    300
    287
    ---
    139
    123
    ---
    16 ← remainder

```

$$7109 \div 43 = 165 \text{ remainder } 14$$

```

      165
43 | 7109
    43
    --
    280
    258
    ---
    229
    215
    ---
    14 ← remainder

```

$$7109 \div 47 = 151 \text{ remainder } 12$$

```

      151
47 | 7109
    47
    --
    240
    235

```

59

47

--

12 ← remainder

$$7109 \div 53 = 134 \text{ remainder } 7$$

134

53 | 7109

53

--

180

159

219

212

7 ← remainder

$$7109 \div 59 = 120 \text{ remainder } 29$$

120

59 | 7109

59

--

120

118

29

0

-

29 ← remainder

$$7109 \div 61 = 116 \text{ remainder } 33$$

116

61 | 7109

61

--

100

61

--

399

366

33 ← remainder

$$7109 \div 67 = 106 \text{ remainder } 7$$

106

67 | 7109

67

--

40

0

-

409

402

7 ← remainder

$$7109 \div 71 = 100 \text{ remainder } 9$$

100

71 | 7109

71

--

0

0

-

9

0

-

9 ← remainder

$$7109 \div 73 = 97 \text{ remainder } 28$$

97

73 | 7109

657

539

511

28 ← remainder

$$7109 \div 79 = 89 \text{ remainder } 78$$

$$\begin{array}{r}
 89 \\
 79 \mid 7109 \\
 \underline{632} \\
 789 \\
 \underline{711} \\
 78 \leftarrow \text{remainder}
 \end{array}$$

$$7109 \div 83 = 85 \text{ remainder } 54$$

$$\begin{array}{r}
 85 \\
 83 \mid 7109 \\
 \underline{664} \\
 469 \\
 \underline{415} \\
 54 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₂ 7121

$$7121 \div 2 = 3560 \text{ remainder } 1$$

$$\begin{array}{r} 3560 \\ 2 \mid 7121 \\ \underline{6} \\ 11 \\ \underline{10} \\ 12 \\ \underline{12} \\ 1 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7121 \div 3 = 2373 \text{ remainder } 2$$

$$\begin{array}{r} 2373 \\ 3 \mid 7121 \\ \underline{6} \\ 11 \\ \underline{9} \\ 22 \\ \underline{21} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7121 \div 5 = 1424 \text{ remainder } 1$$

$$\begin{array}{r} 1424 \\ 5 \mid 7121 \\ \underline{5} \\ \end{array}$$

```

21
20
--
12
10
--
21
20
--
1 ← remainder

```

$$7121 \div 7 = 1017 \text{ remainder } 2$$

```

1017
7 | 7121
  7
  -
  1
  0
  -
  12
  7
  -
  51
  49
  --
  2 ← remainder

```

$$7121 \div 11 = 647 \text{ remainder } 4$$

```

647
11 | 7121
   66
   --
   52
   44
   --
   81
   77
   --
   4 ← remainder

```

$$7121 \div 13 = 547 \text{ remainder } 10$$

$$\begin{array}{r}
 547 \\
 13 \mid 7121 \\
 \underline{65} \\
 -- \\
 62 \\
 \underline{52} \\
 -- \\
 101 \\
 \underline{91} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$7121 \div 17 = 418 \text{ remainder } 15$$

$$\begin{array}{r}
 418 \\
 17 \mid 7121 \\
 \underline{68} \\
 -- \\
 32 \\
 \underline{17} \\
 -- \\
 151 \\
 \underline{136} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$7121 \div 19 = 374 \text{ remainder } 15$$

$$\begin{array}{r}
 374 \\
 19 \mid 7121 \\
 \underline{57} \\
 -- \\
 142 \\
 \underline{133} \\
 --- \\
 91 \\
 \underline{76} \\
 -- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$7121 \div 23 = 309 \text{ remainder } 14$$

$$\begin{array}{r}
 309 \\
 23 \mid 7121
 \end{array}$$

```

69
--
22
0
-
221
207
---
14 ← remainder

```

$$7121 \div 29 = 245 \text{ remainder } 16$$

```

      245
29 | 7121
    58
    --
    132
    116
    ---
    161
    145
    ---
    16 ← remainder

```

$$7121 \div 31 = 229 \text{ remainder } 22$$

```

      229
31 | 7121
    62
    --
    92
    62
    --
    301
    279
    ---
    22 ← remainder

```

$$7121 \div 37 = 192 \text{ remainder } 17$$

```

      192
37 | 7121
    37
    --

```

```

342
333
---
91
74
--
17 ← remainder

```

$$7121 \div 41 = 173 \text{ remainder } 28$$

```

      173
41 | 7121
    41
    --
   302
   287
   ---
   151
   123
   ---
   28 ← remainder

```

$$7121 \div 43 = 165 \text{ remainder } 26$$

```

      165
43 | 7121
    43
    --
   282
   258
   ---
   241
   215
   ---
   26 ← remainder

```

$$7121 \div 47 = 151 \text{ remainder } 24$$

```

      151
47 | 7121
    47
    --
   242
   235

```

```

  ---
  71
  47
  --
  24 ← remainder

```

$$7121 \div 53 = 134 \text{ remainder } 19$$

```

    134
53 | 7121
    53
    --
    182
    159
    ---
    231
    212
    ---
    19 ← remainder

```

$$7121 \div 59 = 120 \text{ remainder } 41$$

```

    120
59 | 7121
    59
    --
    122
    118
    ---
    41
    0
    -
    41 ← remainder

```

$$7121 \div 61 = 116 \text{ remainder } 45$$

```

    116
61 | 7121
    61
    --
    102
    61
    --
    411

```

366

45 ← remainder

$$7121 \div 67 = 106 \text{ remainder } 19$$

```
      106
67 | 7121
    67
    --
    42
    0
    -
    421
    402
    ---
    19 ← remainder
```

$$7121 \div 71 = 100 \text{ remainder } 21$$

```
      100
71 | 7121
    71
    --
     2
     0
     -
     21
     0
     -
     21 ← remainder
```

$$7121 \div 73 = 97 \text{ remainder } 40$$

```
      97
73 | 7121
    657
    ---
    551
    511
    ---
    40 ← remainder
```

$$7121 \div 79 = 90 \text{ remainder } 11$$

$$\begin{array}{r}
 90 \\
 79 \mid 7121 \\
 \underline{711} \\
 11 \\
 0 \\
 - \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$7121 \div 83 = 85 \text{ remainder } 66$$

$$\begin{array}{r}
 85 \\
 83 \mid 7121 \\
 \underline{664} \\
 481 \\
 \underline{415} \\
 66 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₃ 7127

$$7127 \div 2 = 3563 \text{ remainder } 1$$

$$\begin{array}{r} 3563 \\ 2 \mid 7127 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7127 \div 3 = 2375 \text{ remainder } 2$$

$$\begin{array}{r} 2375 \\ 3 \mid 7127 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 22 \\ \underline{21} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7127 \div 5 = 1425 \text{ remainder } 2$$

$$\begin{array}{r} 1425 \\ 5 \mid 7127 \\ \underline{5} \\ - \end{array}$$

```

21
20
--
12
10
--
27
25
--
2 ← remainder

```

$$7127 \div 7 = 1018 \text{ remainder } 1$$

```

1018
7 | 7127
  7
  -
  1
  0
  -
  12
  7
  -
  57
  56
  --
  1 ← remainder

```

$$7127 \div 11 = 647 \text{ remainder } 10$$

```

647
11 | 7127
   66
   --
   52
   44
   --
   87
   77
   --
  10 ← remainder

```

$$7127 \div 13 = 548 \text{ remainder } 3$$


```

      548
13 | 7127
    65
    --
    62
    52
    --
    107
    104
    ---
    3 ← remainder

```

$7127 \div 17 = 419 \text{ remainder } 4$

```

      419
17 | 7127
    68
    --
    32
    17
    --
    157
    153
    ---
    4 ← remainder

```

$7127 \div 19 = 375 \text{ remainder } 2$

```

      375
19 | 7127
    57
    --
    142
    133
    ---
    97
    95
    --
    2 ← remainder

```

$7127 \div 23 = 309 \text{ remainder } 20$

```

      309
23 | 7127

```

```

69
--
22
0
-
227
207
---
20 ← remainder

```

$$7127 \div 29 = 245 \text{ remainder } 22$$

```

245
29 | 7127
   58
   --
   132
   116
   ---
   167
   145
   ---
   22 ← remainder

```

$$7127 \div 31 = 229 \text{ remainder } 28$$

```

229
31 | 7127
   62
   --
   92
   62
   --
   307
   279
   ---
   28 ← remainder

```

$$7127 \div 37 = 192 \text{ remainder } 23$$

```

192
37 | 7127
   37
   --

```

```

342
333
---
97
74
--
23 ← remainder

```

$$7127 \div 41 = 173 \text{ remainder } 34$$

```

      173
41 | 7127
    41
    --
    302
    287
    ---
    157
    123
    ---
    34 ← remainder

```

$$7127 \div 43 = 165 \text{ remainder } 32$$

```

      165
43 | 7127
    43
    --
    282
    258
    ---
    247
    215
    ---
    32 ← remainder

```

$$7127 \div 47 = 151 \text{ remainder } 30$$

```

      151
47 | 7127
    47
    --
    242
    235

```

```

  ---
  77
  47
  --
  30 ← remainder

```

$$7127 \div 53 = 134 \text{ remainder } 25$$

```

    134
53 | 7127
    53
    --
    182
    159
    ---
    237
    212
    ---
    25 ← remainder

```

$$7127 \div 59 = 120 \text{ remainder } 47$$

```

    120
59 | 7127
    59
    --
    122
    118
    ---
    47
    0
    -
    47 ← remainder

```

$$7127 \div 61 = 116 \text{ remainder } 51$$

```

    116
61 | 7127
    61
    --
    102
    61
    --
    417

```

366

51 ← remainder

$$7127 \div 67 = 106 \text{ remainder } 25$$

106

67 | 7127

67

--

42

0

-

427

402

25 ← remainder

$$7127 \div 71 = 100 \text{ remainder } 27$$

100

71 | 7127

71

--

2

0

-

27

0

-

27 ← remainder

$$7127 \div 73 = 97 \text{ remainder } 46$$

97

73 | 7127

657

557

511

46 ← remainder

$$7127 \div 79 = 90 \text{ remainder } 17$$

$$\begin{array}{r}
 90 \\
 79 \mid 7127 \\
 \underline{711} \\
 17 \\
 0 \\
 - \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$7127 \div 83 = 85 \text{ remainder } 72$$

$$\begin{array}{r}
 85 \\
 83 \mid 7127 \\
 \underline{664} \\
 487 \\
 \underline{415} \\
 72 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₄ 7129

$$7129 \div 2 = 3564 \text{ remainder } 1$$

$$\begin{array}{r} 3564 \\ 2 \mid 7129 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7129 \div 3 = 2376 \text{ remainder } 1$$

$$\begin{array}{r} 2376 \\ 3 \mid 7129 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 22 \\ \underline{21} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7129 \div 5 = 1425 \text{ remainder } 4$$

$$\begin{array}{r} 1425 \\ 5 \mid 7129 \\ \underline{5} \\ - \end{array}$$

```

21
20
--
12
10
--
29
25
--
4 ← remainder

```

$$7129 \div 7 = 1018 \text{ remainder } 3$$

```

1018
7 | 7129
  7
  -
  1
  0
  -
  12
  7
  -
  59
  56
  --
  3 ← remainder

```

$$7129 \div 11 = 648 \text{ remainder } 1$$

```

648
11 | 7129
   66
   --
   52
   44
   --
   89
   88
   --
   1 ← remainder

```

$$7129 \div 13 = 548 \text{ remainder } 5$$

$$\begin{array}{r}
 548 \\
 13 \mid 7129 \\
 \underline{65} \\
 -- \\
 62 \\
 \underline{52} \\
 -- \\
 109 \\
 \underline{104} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7129 \div 17 = 419 \text{ remainder } 6$$

$$\begin{array}{r}
 419 \\
 17 \mid 7129 \\
 \underline{68} \\
 -- \\
 32 \\
 \underline{17} \\
 -- \\
 159 \\
 \underline{153} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7129 \div 19 = 375 \text{ remainder } 4$$

$$\begin{array}{r}
 375 \\
 19 \mid 7129 \\
 \underline{57} \\
 -- \\
 142 \\
 \underline{133} \\
 --- \\
 99 \\
 \underline{95} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$7129 \div 23 = 309 \text{ remainder } 22$$

$$\begin{array}{r}
 309 \\
 23 \mid 7129
 \end{array}$$

```

69
--
22
0
-
229
207
---
22 ← remainder

```

$$7129 \div 29 = 245 \text{ remainder } 24$$

```

245
29 | 7129
   58
   --
   132
   116
   ---
   169
   145
   ---
   24 ← remainder

```

$$7129 \div 31 = 229 \text{ remainder } 30$$

```

229
31 | 7129
   62
   --
   92
   62
   --
   309
   279
   ---
   30 ← remainder

```

$$7129 \div 37 = 192 \text{ remainder } 25$$

```

192
37 | 7129
   37
   --

```

```

342
333
---
99
74
--
25 ← remainder

```

$$7129 \div 41 = 173 \text{ remainder } 36$$

```

173
41 | 7129
   41
   --
  302
  287
  ---
   159
   123
   ---
    36 ← remainder

```

$$7129 \div 43 = 165 \text{ remainder } 34$$

```

165
43 | 7129
   43
   --
  282
  258
  ---
   249
   215
   ---
    34 ← remainder

```

$$7129 \div 47 = 151 \text{ remainder } 32$$

```

151
47 | 7129
   47
   --
  242
  235

```

```

  ---
  79
  47
  --

```

32 ← remainder

$$7129 \div 53 = 134 \text{ remainder } 27$$

```

    134
53 | 7129
    53
    --
    182
    159
    ---
    239
    212
    ---
    27 ← remainder

```

$$7129 \div 59 = 120 \text{ remainder } 49$$

```

    120
59 | 7129
    59
    --
    122
    118
    ---
    49
    0
    -
    49 ← remainder

```

$$7129 \div 61 = 116 \text{ remainder } 53$$

```

    116
61 | 7129
    61
    --
    102
    61
    --
    419

```

366

53 ← remainder

$$7129 \div 67 = 106 \text{ remainder } 27$$

```
      106
67 | 7129
    67
    --
    42
    0
    -
    429
    402
    ---
    27 ← remainder
```

$$7129 \div 71 = 100 \text{ remainder } 29$$

```
      100
71 | 7129
    71
    --
     2
     0
     -
     29
     0
     -
     29 ← remainder
```

$$7129 \div 73 = 97 \text{ remainder } 48$$

```
      97
73 | 7129
    657
    ---
    559
    511
    ---
    48 ← remainder
```

$$7129 \div 79 = 90 \text{ remainder } 19$$

$$\begin{array}{r}
 90 \\
 79 \mid 7129 \\
 \underline{711} \\
 19 \\
 0 \\
 - \\
 19 \leftarrow \text{remainder}
 \end{array}$$

$$7129 \div 83 = 85 \text{ remainder } 74$$

$$\begin{array}{r}
 85 \\
 83 \mid 7129 \\
 \underline{664} \\
 489 \\
 \underline{415} \\
 74 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₅ 7151

$$7151 \div 2 = 3575 \text{ remainder } 1$$

$$\begin{array}{r} 3575 \\ 2 \mid 7151 \\ \underline{6} \\ 11 \\ \underline{10} \\ 15 \\ \underline{14} \\ 11 \\ \underline{10} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7151 \div 3 = 2383 \text{ remainder } 2$$

$$\begin{array}{r} 2383 \\ 3 \mid 7151 \\ \underline{6} \\ 11 \\ \underline{9} \\ 25 \\ \underline{24} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7151 \div 5 = 1430 \text{ remainder } 1$$

$$\begin{array}{r} 1430 \\ 5 \mid 7151 \\ \underline{5} \\ - \end{array}$$

```

21
20
--
15
15
--
1
0
-
1 ← remainder

```

$$7151 \div 7 = 1021 \text{ remainder } 4$$

```

1021
7 | 7151
  7
  -
  1
  0
  -
  15
  14
  --
  11
  7
  -
  4 ← remainder

```

$$7151 \div 11 = 650 \text{ remainder } 1$$

```

650
11 | 7151
   66
   --
   55
   55
   --
   1
   0
   -
   1 ← remainder

```

$$7151 \div 13 = 550 \text{ remainder } 1$$

$$\begin{array}{r}
 550 \\
 13 \mid 7151 \\
 \underline{65} \\
 -- \\
 \underline{65} \\
 \underline{65} \\
 -- \\
 1 \\
 0 \\
 - \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7151 \div 17 = 420 \text{ remainder } 11$$

$$\begin{array}{r}
 420 \\
 17 \mid 7151 \\
 \underline{68} \\
 -- \\
 \underline{35} \\
 \underline{34} \\
 -- \\
 11 \\
 0 \\
 - \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$7151 \div 19 = 376 \text{ remainder } 7$$

$$\begin{array}{r}
 376 \\
 19 \mid 7151 \\
 \underline{57} \\
 -- \\
 \underline{145} \\
 \underline{133} \\
 --- \\
 \underline{121} \\
 \underline{114} \\
 --- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7151 \div 23 = 310 \text{ remainder } 21$$

$$\begin{array}{r}
 310 \\
 23 \mid 7151
 \end{array}$$

```

69
--
25
23
--
21
0
-
21 ← remainder

```

$$7151 \div 29 = 246 \text{ remainder } 17$$

```

      246
29 | 7151
    58
    --
    135
    116
    ---
    191
    174
    ---
    17 ← remainder

```

$$7151 \div 31 = 230 \text{ remainder } 21$$

```

      230
31 | 7151
    62
    --
    95
    93
    --
    21
    0
    -
    21 ← remainder

```

$$7151 \div 37 = 193 \text{ remainder } 10$$

```

      193
37 | 7151
    37
    --

```

```

345
333
---
121
111
---
10 ← remainder

```

$$7151 \div 41 = 174 \text{ remainder } 17$$

```

      174
41 | 7151
    41
    --
    305
    287
    ---
    181
    164
    ---
    17 ← remainder

```

$$7151 \div 43 = 166 \text{ remainder } 13$$

```

      166
43 | 7151
    43
    --
    285
    258
    ---
    271
    258
    ---
    13 ← remainder

```

$$7151 \div 47 = 152 \text{ remainder } 7$$

```

      152
47 | 7151
    47
    --
    245
    235

```

```

  ---
 101
 94
  --
 7 ← remainder

```

$$7151 \div 53 = 134 \text{ remainder } 49$$

```

    134
53 | 7151
    53
   --
   185
   159
   ---
   261
   212
   ---
   49 ← remainder

```

$$7151 \div 59 = 121 \text{ remainder } 12$$

```

    121
59 | 7151
    59
   --
   125
   118
   ---
    71
    59
   --
    12 ← remainder

```

$$7151 \div 61 = 117 \text{ remainder } 14$$

```

    117
61 | 7151
    61
   --
   105
    61
   --
   441

```

427

14 ← remainder

$$7151 \div 67 = 106 \text{ remainder } 49$$

106

67 | 7151

67

--

45

0

-

451

402

49 ← remainder

$$7151 \div 71 = 100 \text{ remainder } 51$$

100

71 | 7151

71

--

5

0

-

51

0

-

51 ← remainder

$$7151 \div 73 = 97 \text{ remainder } 70$$

97

73 | 7151

657

581

511

70 ← remainder

$$7151 \div 79 = 90 \text{ remainder } 41$$

$$\begin{array}{r}
 90 \\
 79 \mid 7151 \\
 \underline{711} \\
 41 \\
 0 \\
 - \\
 41 \leftarrow \text{remainder}
 \end{array}$$

$$7151 \div 83 = 86 \text{ remainder } 13$$

$$\begin{array}{r}
 86 \\
 83 \mid 7151 \\
 \underline{664} \\
 511 \\
 \underline{498} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₆ 7159

$$7159 \div 2 = 3579 \text{ remainder } 1$$

$$\begin{array}{r} 3579 \\ 2 \mid 7159 \\ 6 \\ - \\ 11 \\ 10 \\ - - \\ 15 \\ 14 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7159 \div 3 = 2386 \text{ remainder } 1$$

$$\begin{array}{r} 2386 \\ 3 \mid 7159 \\ 6 \\ - \\ 11 \\ 9 \\ - \\ 25 \\ 24 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7159 \div 5 = 1431 \text{ remainder } 4$$

$$\begin{array}{r} 1431 \\ 5 \mid 7159 \\ 5 \\ - \end{array}$$

```

21
20
--
15
15
--
9
5
-
4 ← remainder

```

$$7159 \div 7 = 1022 \text{ remainder } 5$$

```

1022
7 | 7159
  7
  -
  1
  0
  -
  15
  14
  --
  19
  14
  --
  5 ← remainder

```

$$7159 \div 11 = 650 \text{ remainder } 9$$

```

650
11 | 7159
   66
   --
   55
   55
   --
   9
   0
   -
   9 ← remainder

```

$$7159 \div 13 = 550 \text{ remainder } 9$$

$$\begin{array}{r}
 550 \\
 13 \mid 7159 \\
 \underline{65} \\
 -- \\
 \underline{65} \\
 \underline{65} \\
 -- \\
 9 \\
 0 \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$7159 \div 17 = 421 \text{ remainder } 2$$

$$\begin{array}{r}
 421 \\
 17 \mid 7159 \\
 \underline{68} \\
 -- \\
 \underline{35} \\
 \underline{34} \\
 -- \\
 19 \\
 \underline{17} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$7159 \div 19 = 376 \text{ remainder } 15$$

$$\begin{array}{r}
 376 \\
 19 \mid 7159 \\
 \underline{57} \\
 -- \\
 \underline{145} \\
 \underline{133} \\
 --- \\
 \underline{129} \\
 \underline{114} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$7159 \div 23 = 311 \text{ remainder } 6$$

$$\begin{array}{r}
 311 \\
 23 \mid 7159
 \end{array}$$

```

69
--
25
23
--
29
23
--
6 ← remainder

```

$$7159 \div 29 = 246 \text{ remainder } 25$$

```

      246
29 | 7159
    58
    --
    135
    116
    ---
    199
    174
    ---
    25 ← remainder

```

$$7159 \div 31 = 230 \text{ remainder } 29$$

```

      230
31 | 7159
    62
    --
    95
    93
    --
    29
    0
    -
    29 ← remainder

```

$$7159 \div 37 = 193 \text{ remainder } 18$$

```

      193
37 | 7159
    37
    --

```

```

345
333
---
129
111
---
18 ← remainder

```

$$7159 \div 41 = 174 \text{ remainder } 25$$

```

      174
41 | 7159
    41
    --
    305
    287
    ---
    189
    164
    ---
    25 ← remainder

```

$$7159 \div 43 = 166 \text{ remainder } 21$$

```

      166
43 | 7159
    43
    --
    285
    258
    ---
    279
    258
    ---
    21 ← remainder

```

$$7159 \div 47 = 152 \text{ remainder } 15$$

```

      152
47 | 7159
    47
    --
    245
    235

```

```

---
109
94
--
15 ← remainder

```

$$7159 \div 53 = 135 \text{ remainder } 4$$

```

135
53 | 7159
   53
   --
   185
   159
   ---
   269
   265
   ---
   4 ← remainder

```

$$7159 \div 59 = 121 \text{ remainder } 20$$

```

121
59 | 7159
   59
   --
   125
   118
   ---
   79
   59
   --
   20 ← remainder

```

$$7159 \div 61 = 117 \text{ remainder } 22$$

```

117
61 | 7159
   61
   --
   105
   61
   --
   449

```

427

 22 ← remainder

$$7159 \div 67 = 106 \text{ remainder } 57$$

106
 67 | 7159
 67
 --
 45
 0
 -
 459
 402

 57 ← remainder

$$7159 \div 71 = 100 \text{ remainder } 59$$

100
 71 | 7159
 71
 --
 5
 0
 -
 59
 0
 -
 59 ← remainder

$$7159 \div 73 = 98 \text{ remainder } 5$$

98
 73 | 7159
 657

 589
 584

 5 ← remainder

$$7159 \div 79 = 90 \text{ remainder } 49$$

$$\begin{array}{r}
 90 \\
 79 \mid 7159 \\
 \underline{711} \\
 49 \\
 0 \\
 - \\
 49 \leftarrow \text{remainder}
 \end{array}$$

$$7159 \div 83 = 86 \text{ remainder } 21$$

$$\begin{array}{r}
 86 \\
 83 \mid 7159 \\
 \underline{664} \\
 519 \\
 \underline{498} \\
 21 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₇ 7177

$$7177 \div 2 = 3588 \text{ remainder } 1$$

$$\begin{array}{r} 3588 \\ 2 \mid 7177 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7177 \div 3 = 2392 \text{ remainder } 1$$

$$\begin{array}{r} 2392 \\ 3 \mid 7177 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 27 \\ \underline{27} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7177 \div 5 = 1435 \text{ remainder } 2$$

$$\begin{array}{r} 1435 \\ 5 \mid 7177 \\ \underline{5} \\ - \end{array}$$

```

21
20
--
17
15
--
27
25
--
2 ← remainder

```

$$7177 \div 7 = 1025 \text{ remainder } 2$$

```

1025
7 | 7177
  7
  -
  1
  0
  -
  17
  14
  --
  37
  35
  --
  2 ← remainder

```

$$7177 \div 11 = 652 \text{ remainder } 5$$

```

652
11 | 7177
   66
   --
   57
   55
   --
   27
   22
   --
   5 ← remainder

```

$$7177 \div 13 = 552 \text{ remainder } 1$$


```

      552
13 | 7177
    65
    --
    67
    65
    --
    27
    26
    --
    1 ← remainder

```

$$7177 \div 17 = 422 \text{ remainder } 3$$

```

      422
17 | 7177
    68
    --
    37
    34
    --
    37
    34
    --
    3 ← remainder

```

$$7177 \div 19 = 377 \text{ remainder } 14$$

```

      377
19 | 7177
    57
    --
    147
    133
    ---
    147
    133
    ---
    14 ← remainder

```

$$7177 \div 23 = 312 \text{ remainder } 1$$

```

      312
23 | 7177

```

```

69
--
27
23
--
47
46
--
1 ← remainder

```

$$7177 \div 29 = 247 \text{ remainder } 14$$

```

      247
29 | 7177
    58
    --
    137
    116
    ---
    217
    203
    ---
    14 ← remainder

```

$$7177 \div 31 = 231 \text{ remainder } 16$$

```

      231
31 | 7177
    62
    --
    97
    93
    --
    47
    31
    --
    16 ← remainder

```

$$7177 \div 37 = 193 \text{ remainder } 36$$

```

      193
37 | 7177
    37
    --

```

```

347
333
---
147
111
---
36 ← remainder

```

$$7177 \div 41 = 175 \text{ remainder } 2$$

```

      175
41 | 7177
    41
    --
    307
    287
    ---
    207
    205
    ---
    2 ← remainder

```

$$7177 \div 43 = 166 \text{ remainder } 39$$

```

      166
43 | 7177
    43
    --
    287
    258
    ---
    297
    258
    ---
    39 ← remainder

```

$$7177 \div 47 = 152 \text{ remainder } 33$$

```

      152
47 | 7177
    47
    --
    247
    235

```

```

---
127
94
--
33 ← remainder

```

$$7177 \div 53 = 135 \text{ remainder } 22$$

```

135
53 | 7177
   53
   --
   187
   159
   ---
   287
   265
   ---
   22 ← remainder

```

$$7177 \div 59 = 121 \text{ remainder } 38$$

```

121
59 | 7177
   59
   --
   127
   118
   ---
   97
   59
   --
   38 ← remainder

```

$$7177 \div 61 = 117 \text{ remainder } 40$$

```

117
61 | 7177
   61
   --
   107
   61
   --
   467

```

427

 40 ← remainder

$$7177 \div 67 = 107 \text{ remainder } 8$$

107
 67 | 7177
 67
 --
 47
 0
 -
 477
 469

 8 ← remainder

$$7177 \div 71 = 101 \text{ remainder } 6$$

101
 71 | 7177
 71
 --
 7
 0
 -
 77
 71
 --
 6 ← remainder

$$7177 \div 73 = 98 \text{ remainder } 23$$

98
 73 | 7177
 657

 607
 584

 23 ← remainder

$$7177 \div 79 = 90 \text{ remainder } 67$$

$$\begin{array}{r}
 90 \\
 79 \mid 7177 \\
 \underline{711} \\
 67 \\
 0 \\
 - \\
 67 \leftarrow \text{remainder}
 \end{array}$$

$$7177 \div 83 = 86 \text{ remainder } 39$$

$$\begin{array}{r}
 86 \\
 83 \mid 7177 \\
 \underline{664} \\
 537 \\
 \underline{498} \\
 39 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₈ 7187

$$7187 \div 2 = 3593 \text{ remainder } 1$$

$$\begin{array}{r} 3593 \\ 2 \mid 7187 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7187 \div 3 = 2395 \text{ remainder } 2$$

$$\begin{array}{r} 2395 \\ 3 \mid 7187 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 28 \\ \underline{27} \\ - - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7187 \div 5 = 1437 \text{ remainder } 2$$

$$\begin{array}{r} 1437 \\ 5 \mid 7187 \\ \underline{5} \\ - \end{array}$$

```

21
20
--
18
15
--
37
35
--
2 ← remainder

```

$$7187 \div 7 = 1026 \text{ remainder } 5$$

```

1026
7 | 7187
  7
  -
  1
  0
  -
  18
  14
  --
  47
  42
  --
  5 ← remainder

```

$$7187 \div 11 = 653 \text{ remainder } 4$$

```

653
11 | 7187
   66
   --
   58
   55
   --
   37
   33
   --
   4 ← remainder

```

$$7187 \div 13 = 552 \text{ remainder } 11$$


```

      552
13 | 7187
    65
    --
    68
    65
    --
    37
    26
    --
    11 ← remainder

```

$7187 \div 17 = 422 \text{ remainder } 13$

```

      422
17 | 7187
    68
    --
    38
    34
    --
    47
    34
    --
    13 ← remainder

```

$7187 \div 19 = 378 \text{ remainder } 5$

```

      378
19 | 7187
    57
    --
    148
    133
    ---
    157
    152
    ---
    5 ← remainder

```

$7187 \div 23 = 312 \text{ remainder } 11$

```

      312
23 | 7187

```

```

69
--
28
23
--
57
46
--
11 ← remainder

```

$$7187 \div 29 = 247 \text{ remainder } 24$$

```

      247
29 | 7187
    58
    --
    138
    116
    ---
    227
    203
    ---
    24 ← remainder

```

$$7187 \div 31 = 231 \text{ remainder } 26$$

```

      231
31 | 7187
    62
    --
    98
    93
    --
    57
    31
    --
    26 ← remainder

```

$$7187 \div 37 = 194 \text{ remainder } 9$$

```

      194
37 | 7187
    37
    --

```

```

348
333
---
157
148
---
9 ← remainder

```

$$7187 \div 41 = 175 \text{ remainder } 12$$

```

      175
41 | 7187
    41
    --
    308
    287
    ---
    217
    205
    ---
    12 ← remainder

```

$$7187 \div 43 = 167 \text{ remainder } 6$$

```

      167
43 | 7187
    43
    --
    288
    258
    ---
    307
    301
    ---
    6 ← remainder

```

$$7187 \div 47 = 152 \text{ remainder } 43$$

```

      152
47 | 7187
    47
    --
    248
    235

```

```

  ---
  137
  94
  --
  43 ← remainder

```

$$7187 \div 53 = 135 \text{ remainder } 32$$

```

    135
53 | 7187
    53
    --
    188
    159
    ---
    297
    265
    ---
    32 ← remainder

```

$$7187 \div 59 = 121 \text{ remainder } 48$$

```

    121
59 | 7187
    59
    --
    128
    118
    ---
    107
    59
    --
    48 ← remainder

```

$$7187 \div 61 = 117 \text{ remainder } 50$$

```

    117
61 | 7187
    61
    --
    108
    61
    --
    477

```

427

50 ← remainder

$$7187 \div 67 = 107 \text{ remainder } 18$$

107

67 | 7187

67

--

48

0

-

487

469

18 ← remainder

$$7187 \div 71 = 101 \text{ remainder } 16$$

101

71 | 7187

71

--

8

0

-

87

71

--

16 ← remainder

$$7187 \div 73 = 98 \text{ remainder } 33$$

98

73 | 7187

657

617

584

33 ← remainder

$$7187 \div 79 = 90 \text{ remainder } 77$$

$$\begin{array}{r}
 90 \\
 79 \mid 7187 \\
 \underline{711} \\
 77 \\
 0 \\
 - \\
 77 \leftarrow \text{remainder}
 \end{array}$$

$$7187 \div 83 = 86 \text{ remainder } 49$$

$$\begin{array}{r}
 86 \\
 83 \mid 7187 \\
 \underline{664} \\
 547 \\
 \underline{498} \\
 49 \leftarrow \text{remainder}
 \end{array}$$

P₉₁₉ 7193

$$7193 \div 2 = 3596 \text{ remainder } 1$$

$$\begin{array}{r} 3596 \\ 2 \mid 7193 \\ \underline{6} \\ - \\ 11 \\ \underline{10} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7193 \div 3 = 2397 \text{ remainder } 2$$

$$\begin{array}{r} 2397 \\ 3 \mid 7193 \\ \underline{6} \\ - \\ 11 \\ \underline{9} \\ - \\ 29 \\ \underline{27} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7193 \div 5 = 1438 \text{ remainder } 3$$

$$\begin{array}{r} 1438 \\ 5 \mid 7193 \\ \underline{5} \\ - \end{array}$$

```

21
20
--
19
15
--
43
40
--
3 ← remainder

```

$$7193 \div 7 = 1027 \text{ remainder } 4$$

```

1027
7 | 7193
  7
  -
  1
  0
  -
  19
  14
  --
  53
  49
  --
  4 ← remainder

```

$$7193 \div 11 = 653 \text{ remainder } 10$$

```

653
11 | 7193
   66
   --
   59
   55
   --
   43
   33
   --
  10 ← remainder

```

$$7193 \div 13 = 553 \text{ remainder } 4$$

553
 13 | 7193
 65
 --
 69
 65
 --
 43
 39
 --
 4 ← remainder

$$7193 \div 17 = 423 \text{ remainder } 2$$

423
 17 | 7193
 68
 --
 39
 34
 --
 53
 51
 --
 2 ← remainder

$$7193 \div 19 = 378 \text{ remainder } 11$$

378
 19 | 7193
 57
 --
 149
 133

 163
 152

 11 ← remainder

$$7193 \div 23 = 312 \text{ remainder } 17$$

312
 23 | 7193

```

69
--
29
23
--
63
46
--
17 ← remainder

```

$$7193 \div 29 = 248 \text{ remainder } 1$$

```

      248
29 | 7193
    58
    --
    139
    116
    ---
    233
    232
    ---
    1 ← remainder

```

$$7193 \div 31 = 232 \text{ remainder } 1$$

```

      232
31 | 7193
    62
    --
    99
    93
    --
    63
    62
    --
    1 ← remainder

```

$$7193 \div 37 = 194 \text{ remainder } 15$$

```

      194
37 | 7193
    37
    --

```

```

349
333
---
163
148
---
15 ← remainder

```

$$7193 \div 41 = 175 \text{ remainder } 18$$

```

      175
41 | 7193
    41
    --
    309
    287
    ---
    223
    205
    ---
    18 ← remainder

```

$$7193 \div 43 = 167 \text{ remainder } 12$$

```

      167
43 | 7193
    43
    --
    289
    258
    ---
    313
    301
    ---
    12 ← remainder

```

$$7193 \div 47 = 153 \text{ remainder } 2$$

```

      153
47 | 7193
    47
    --
    249
    235

```

```

---
143
141
---
2 ← remainder

```

$$7193 \div 53 = 135 \text{ remainder } 38$$

```

      135
53 | 7193
    53
    --
    189
    159
    ---
    303
    265
    ---
    38 ← remainder

```

$$7193 \div 59 = 121 \text{ remainder } 54$$

```

      121
59 | 7193
    59
    --
    129
    118
    ---
    113
    59
    --
    54 ← remainder

```

$$7193 \div 61 = 117 \text{ remainder } 56$$

```

      117
61 | 7193
    61
    --
    109
    61
    --
    483

```

427

 56 ← remainder

$$7193 \div 67 = 107 \text{ remainder } 24$$

107
 67 | 7193
 67
 --
 49
 0
 -
 493
 469

 24 ← remainder

$$7193 \div 71 = 101 \text{ remainder } 22$$

101
 71 | 7193
 71
 --
 9
 0
 -
 93
 71
 --
 22 ← remainder

$$7193 \div 73 = 98 \text{ remainder } 39$$

98
 73 | 7193
 657

 623
 584

 39 ← remainder

$$7193 \div 79 = 91 \text{ remainder } 4$$

$$\begin{array}{r}
 91 \\
 79 \mid 7193 \\
 \underline{711} \\
 83 \\
 \underline{79} \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$7193 \div 83 = 86 \text{ remainder } 55$$

$$\begin{array}{r}
 86 \\
 83 \mid 7193 \\
 \underline{664} \\
 553 \\
 \underline{498} \\
 55 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₀ 7207

$$7207 \div 2 = 3603 \text{ remainder } 1$$

$$\begin{array}{r} 3603 \\ 2 \mid 7207 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 0 \\ 0 \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7207 \div 3 = 2402 \text{ remainder } 1$$

$$\begin{array}{r} 2402 \\ 3 \mid 7207 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 0 \\ 0 \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7207 \div 5 = 1441 \text{ remainder } 2$$

$$\begin{array}{r} 1441 \\ 5 \mid 7207 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
20
20
--
7
5
-
2 ← remainder

```

$$7207 \div 7 = 1029 \text{ remainder } 4$$

```

1029
7 | 7207
  7
  -
  2
  0
  -
  20
  14
  --
  67
  63
  --
  4 ← remainder

```

$$7207 \div 11 = 655 \text{ remainder } 2$$

```

655
11 | 7207
   66
   --
   60
   55
   --
   57
   55
   --
   2 ← remainder

```

$$7207 \div 13 = 554 \text{ remainder } 5$$

$$\begin{array}{r}
 554 \\
 13 \mid 7207 \\
 \underline{65} \\
 -- \\
 70 \\
 \underline{65} \\
 -- \\
 57 \\
 \underline{52} \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7207 \div 17 = 423 \text{ remainder } 16$$

$$\begin{array}{r}
 423 \\
 17 \mid 7207 \\
 \underline{68} \\
 -- \\
 40 \\
 \underline{34} \\
 -- \\
 67 \\
 \underline{51} \\
 -- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$7207 \div 19 = 379 \text{ remainder } 6$$

$$\begin{array}{r}
 379 \\
 19 \mid 7207 \\
 \underline{57} \\
 -- \\
 150 \\
 \underline{133} \\
 --- \\
 177 \\
 \underline{171} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7207 \div 23 = 313 \text{ remainder } 8$$

$$\begin{array}{r}
 313 \\
 23 \mid 7207
 \end{array}$$

```

69
--
30
23
--
77
69
--
8 ← remainder

```

$$7207 \div 29 = 248 \text{ remainder } 15$$

```

      248
29 | 7207
    58
    --
    140
    116
    ---
    247
    232
    ---
    15 ← remainder

```

$$7207 \div 31 = 232 \text{ remainder } 15$$

```

      232
31 | 7207
    62
    --
    100
    93
    --
    77
    62
    --
    15 ← remainder

```

$$7207 \div 37 = 194 \text{ remainder } 29$$

```

      194
37 | 7207
    37
    --

```

```

350
333
---
177
148
---
29 ← remainder

```

$$7207 \div 41 = 175 \text{ remainder } 32$$

```

      175
41 | 7207
    41
    --
    310
    287
    ---
    237
    205
    ---
    32 ← remainder

```

$$7207 \div 43 = 167 \text{ remainder } 26$$

```

      167
43 | 7207
    43
    --
    290
    258
    ---
    327
    301
    ---
    26 ← remainder

```

$$7207 \div 47 = 153 \text{ remainder } 16$$

```

      153
47 | 7207
    47
    --
    250
    235

```

```

---
157
141
---
16 ← remainder

```

$$7207 \div 53 = 135 \text{ remainder } 52$$

```

      135
53 | 7207
    53
    --
    190
    159
    ---
    317
    265
    ---
    52 ← remainder

```

$$7207 \div 59 = 122 \text{ remainder } 9$$

```

      122
59 | 7207
    59
    --
    130
    118
    ---
    127
    118
    ---
     9 ← remainder

```

$$7207 \div 61 = 118 \text{ remainder } 9$$

```

      118
61 | 7207
    61
    --
    110
    61
    --
    497

```

488

9 ← remainder

$$7207 \div 67 = 107 \text{ remainder } 38$$

```
      107
67 | 7207
    67
    --
    50
    0
    -
    507
    469
    ---
    38 ← remainder
```

$$7207 \div 71 = 101 \text{ remainder } 36$$

```
      101
71 | 7207
    71
    --
    10
    0
    -
    107
    71
    --
    36 ← remainder
```

$$7207 \div 73 = 98 \text{ remainder } 53$$

```
      98
73 | 7207
    657
    ---
    637
    584
    ---
    53 ← remainder
```

$$7207 \div 79 = 91 \text{ remainder } 18$$

$$\begin{array}{r}
 91 \\
 79 \mid 7207 \\
 \underline{711} \\
 97 \\
 \underline{79} \\
 18 \leftarrow \text{remainder}
 \end{array}$$

$$7207 \div 83 = 86 \text{ remainder } 69$$

$$\begin{array}{r}
 86 \\
 83 \mid 7207 \\
 \underline{664} \\
 567 \\
 \underline{498} \\
 69 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₁ 7211

$$7211 \div 2 = 3605 \text{ remainder } 1$$

$$\begin{array}{r} 3605 \\ 2 \mid 7211 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7211 \div 3 = 2403 \text{ remainder } 2$$

$$\begin{array}{r} 2403 \\ 3 \mid 7211 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7211 \div 5 = 1442 \text{ remainder } 1$$

$$\begin{array}{r} 1442 \\ 5 \mid 7211 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
21
20
--
11
10
--
1 ← remainder

```

$$7211 \div 7 = 1030 \text{ remainder } 1$$

```

1030
7 | 7211
  7
  -
  2
  0
  -
  21
  21
  --
  1
  0
  -
  1 ← remainder

```

$$7211 \div 11 = 655 \text{ remainder } 6$$

```

655
11 | 7211
   66
   --
   61
   55
   --
   61
   55
   --
   6 ← remainder

```

$$7211 \div 13 = 554 \text{ remainder } 9$$

$$\begin{array}{r}
 554 \\
 13 \mid 7211 \\
 \underline{65} \\
 -- \\
 71 \\
 \underline{65} \\
 -- \\
 61 \\
 \underline{52} \\
 -- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$7211 \div 17 = 424 \text{ remainder } 3$$

$$\begin{array}{r}
 424 \\
 17 \mid 7211 \\
 \underline{68} \\
 -- \\
 41 \\
 \underline{34} \\
 -- \\
 71 \\
 \underline{68} \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$7211 \div 19 = 379 \text{ remainder } 10$$

$$\begin{array}{r}
 379 \\
 19 \mid 7211 \\
 \underline{57} \\
 -- \\
 151 \\
 \underline{133} \\
 --- \\
 181 \\
 \underline{171} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$7211 \div 23 = 313 \text{ remainder } 12$$

$$\begin{array}{r}
 313 \\
 23 \mid 7211
 \end{array}$$

```

69
--
31
23
--
81
69
--
12 ← remainder

```

$$7211 \div 29 = 248 \text{ remainder } 19$$

```

      248
29 | 7211
    58
    --
    141
    116
    ---
    251
    232
    ---
    19 ← remainder

```

$$7211 \div 31 = 232 \text{ remainder } 19$$

```

      232
31 | 7211
    62
    --
    101
    93
    --
    81
    62
    --
    19 ← remainder

```

$$7211 \div 37 = 194 \text{ remainder } 33$$

```

      194
37 | 7211
    37
    --

```

```

351
333
---
181
148
---
33 ← remainder

```

$$7211 \div 41 = 175 \text{ remainder } 36$$

```

      175
41 | 7211
    41
    --
    311
    287
    ---
    241
    205
    ---
    36 ← remainder

```

$$7211 \div 43 = 167 \text{ remainder } 30$$

```

      167
43 | 7211
    43
    --
    291
    258
    ---
    331
    301
    ---
    30 ← remainder

```

$$7211 \div 47 = 153 \text{ remainder } 20$$

```

      153
47 | 7211
    47
    --
    251
    235

```

```

---
161
141
---
20 ← remainder

```

$$7211 \div 53 = 136 \text{ remainder } 3$$

```

136
53 | 7211
   53
   --
   191
   159
   ---
   321
   318
   ---
   3 ← remainder

```

$$7211 \div 59 = 122 \text{ remainder } 13$$

```

122
59 | 7211
   59
   --
   131
   118
   ---
   131
   118
   ---
   13 ← remainder

```

$$7211 \div 61 = 118 \text{ remainder } 13$$

```

118
61 | 7211
   61
   --
   111
   61
   --
   501

```

488

13 ← remainder

$$7211 \div 67 = 107 \text{ remainder } 42$$

107

67 | 7211

67

--

51

0

-

511

469

42 ← remainder

$$7211 \div 71 = 101 \text{ remainder } 40$$

101

71 | 7211

71

--

11

0

-

111

71

--

40 ← remainder

$$7211 \div 73 = 98 \text{ remainder } 57$$

98

73 | 7211

657

641

584

57 ← remainder

$$7211 \div 79 = 91 \text{ remainder } 22$$

$$\begin{array}{r}
 91 \\
 79 \mid 7211 \\
 \underline{711} \\
 101 \\
 \underline{79} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

$$7211 \div 83 = 86 \text{ remainder } 73$$

$$\begin{array}{r}
 86 \\
 83 \mid 7211 \\
 \underline{664} \\
 571 \\
 \underline{498} \\
 73 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₂ 7213

$$7213 \div 2 = 3606 \text{ remainder } 1$$

$$\begin{array}{r} 3606 \\ 2 \mid 7213 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7213 \div 3 = 2404 \text{ remainder } 1$$

$$\begin{array}{r} 2404 \\ 3 \mid 7213 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7213 \div 5 = 1442 \text{ remainder } 3$$

$$\begin{array}{r} 1442 \\ 5 \mid 7213 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
21
20
--
13
10
--
3 ← remainder

```

$$7213 \div 7 = 1030 \text{ remainder } 3$$

```

1030
7 | 7213
  7
  -
  2
  0
  -
  21
  21
  --
   3
   0
   -
   3 ← remainder

```

$$7213 \div 11 = 655 \text{ remainder } 8$$

```

655
11 | 7213
   66
   --
   61
   55
   --
   63
   55
   --
   8 ← remainder

```

$$7213 \div 13 = 554 \text{ remainder } 11$$


```

      554
13 | 7213
    65
    --
    71
    65
    --
    63
    52
    --
    11 ← remainder

```

$$7213 \div 17 = 424 \text{ remainder } 5$$

```

      424
17 | 7213
    68
    --
    41
    34
    --
    73
    68
    --
    5 ← remainder

```

$$7213 \div 19 = 379 \text{ remainder } 12$$

```

      379
19 | 7213
    57
    --
    151
    133
    ---
    183
    171
    ---
    12 ← remainder

```

$$7213 \div 23 = 313 \text{ remainder } 14$$

```

      313
23 | 7213

```

```

69
--
31
23
--
83
69
--
14 ← remainder

```

$$7213 \div 29 = 248 \text{ remainder } 21$$

```

      248
29 | 7213
    58
    --
    141
    116
    ---
    253
    232
    ---
    21 ← remainder

```

$$7213 \div 31 = 232 \text{ remainder } 21$$

```

      232
31 | 7213
    62
    --
    101
    93
    --
    83
    62
    --
    21 ← remainder

```

$$7213 \div 37 = 194 \text{ remainder } 35$$

```

      194
37 | 7213
    37
    --

```

```

351
333
---
183
148
---
35 ← remainder

```

$$7213 \div 41 = 175 \text{ remainder } 38$$

```

      175
41 | 7213
    41
    --
    311
    287
    ---
    243
    205
    ---
    38 ← remainder

```

$$7213 \div 43 = 167 \text{ remainder } 32$$

```

      167
43 | 7213
    43
    --
    291
    258
    ---
    333
    301
    ---
    32 ← remainder

```

$$7213 \div 47 = 153 \text{ remainder } 22$$

```

      153
47 | 7213
    47
    --
    251
    235

```

```

  ---
163
141
  ---
22 ← remainder

```

$$7213 \div 53 = 136 \text{ remainder } 5$$

```

  136
53 | 7213
   53
   --
   191
   159
   ---
   323
   318
   ---
   5 ← remainder

```

$$7213 \div 59 = 122 \text{ remainder } 15$$

```

  122
59 | 7213
   59
   --
   131
   118
   ---
   133
   118
   ---
   15 ← remainder

```

$$7213 \div 61 = 118 \text{ remainder } 15$$

```

  118
61 | 7213
   61
   --
   111
   61
   --
   503

```

488

15 ← remainder

$$7213 \div 67 = 107 \text{ remainder } 44$$

107
67 | 7213

67

--

51

0

-

513

469

44 ← remainder

$$7213 \div 71 = 101 \text{ remainder } 42$$

101
71 | 7213

71

--

11

0

-

113

71

--

42 ← remainder

$$7213 \div 73 = 98 \text{ remainder } 59$$

98
73 | 7213

657

643

584

59 ← remainder

$$7213 \div 79 = 91 \text{ remainder } 24$$

$$\begin{array}{r}
 91 \\
 79 \mid 7213 \\
 \underline{711} \\
 103 \\
 \underline{79} \\
 24 \leftarrow \text{remainder}
 \end{array}$$

$$7213 \div 83 = 86 \text{ remainder } 75$$

$$\begin{array}{r}
 86 \\
 83 \mid 7213 \\
 \underline{664} \\
 573 \\
 \underline{498} \\
 75 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₃ 7219

$$7219 \div 2 = 3609 \text{ remainder } 1$$

$$\begin{array}{r} 3609 \\ 2 \mid 7219 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7219 \div 3 = 2406 \text{ remainder } 1$$

$$\begin{array}{r} 2406 \\ 3 \mid 7219 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7219 \div 5 = 1443 \text{ remainder } 4$$

$$\begin{array}{r} 1443 \\ 5 \mid 7219 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
21
20
--
19
15
--
4 ← remainder

```

$$7219 \div 7 = 1031 \text{ remainder } 2$$

```

1031
7 | 7219
  7
  -
  2
  0
  -
  21
  21
  --
   9
   7
   -
   2 ← remainder

```

$$7219 \div 11 = 656 \text{ remainder } 3$$

```

656
11 | 7219
   66
   --
   61
   55
   --
   69
   66
   --
   3 ← remainder

```

$$7219 \div 13 = 555 \text{ remainder } 4$$


```

      555
13 | 7219
    65
    --
    71
    65
    --
    69
    65
    --
    4 ← remainder

```

$7219 \div 17 = 424 \text{ remainder } 11$

```

      424
17 | 7219
    68
    --
    41
    34
    --
    79
    68
    --
    11 ← remainder

```

$7219 \div 19 = 379 \text{ remainder } 18$

```

      379
19 | 7219
    57
    --
    151
    133
    ---
    189
    171
    ---
    18 ← remainder

```

$7219 \div 23 = 313 \text{ remainder } 20$

```

      313
23 | 7219

```

```

69
--
31
23
--
89
69
--
20 ← remainder

```

$$7219 \div 29 = 248 \text{ remainder } 27$$

```

      248
29 | 7219
    58
    --
    141
    116
    ---
    259
    232
    ---
    27 ← remainder

```

$$7219 \div 31 = 232 \text{ remainder } 27$$

```

      232
31 | 7219
    62
    --
    101
    93
    --
    89
    62
    --
    27 ← remainder

```

$$7219 \div 37 = 195 \text{ remainder } 4$$

```

      195
37 | 7219
    37
    --

```

```

351
333
---
189
185
---
4 ← remainder

```

$$7219 \div 41 = 176 \text{ remainder } 3$$

```

      176
41 | 7219
    41
    --
    311
    287
    ---
    249
    246
    ---
    3 ← remainder

```

$$7219 \div 43 = 167 \text{ remainder } 38$$

```

      167
43 | 7219
    43
    --
    291
    258
    ---
    339
    301
    ---
    38 ← remainder

```

$$7219 \div 47 = 153 \text{ remainder } 28$$

```

      153
47 | 7219
    47
    --
    251
    235

```

```

  ---
169
141
  ---
28 ← remainder

```

$$7219 \div 53 = 136 \text{ remainder } 11$$

```

    136
53 | 7219
    53
   --
   191
   159
   ---
   329
   318
   ---
   11 ← remainder

```

$$7219 \div 59 = 122 \text{ remainder } 21$$

```

    122
59 | 7219
    59
   --
   131
   118
   ---
   139
   118
   ---
   21 ← remainder

```

$$7219 \div 61 = 118 \text{ remainder } 21$$

```

    118
61 | 7219
    61
   --
   111
    61
   --
   509

```

488

21 ← remainder

$$7219 \div 67 = 107 \text{ remainder } 50$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7219} \end{array}$$

67

--

51

0

-

519

469

50 ← remainder

$$7219 \div 71 = 101 \text{ remainder } 48$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7219} \end{array}$$

71

--

11

0

-

119

71

--

48 ← remainder

$$7219 \div 73 = 98 \text{ remainder } 65$$

$$\begin{array}{r} 98 \\ 73 \overline{) 7219} \end{array}$$

657

649

584

65 ← remainder

$$7219 \div 79 = 91 \text{ remainder } 30$$

$$\begin{array}{r}
 91 \\
 79 \mid 7219 \\
 \underline{711} \\
 109 \\
 \underline{79} \\
 30 \leftarrow \text{remainder}
 \end{array}$$

$$7219 \div 83 = 86 \text{ remainder } 81$$

$$\begin{array}{r}
 86 \\
 83 \mid 7219 \\
 \underline{664} \\
 579 \\
 \underline{498} \\
 81 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₄ 7229

$$7229 \div 2 = 3614 \text{ remainder } 1$$

$$\begin{array}{r} 3614 \\ 2 \mid 7229 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7229 \div 3 = 2409 \text{ remainder } 2$$

$$\begin{array}{r} 2409 \\ 3 \mid 7229 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7229 \div 5 = 1445 \text{ remainder } 4$$

$$\begin{array}{r} 1445 \\ 5 \mid 7229 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
22
20
--
29
25
--
4 ← remainder

```

$$7229 \div 7 = 1032 \text{ remainder } 5$$

```

1032
7 | 7229
  7
  -
  2
  0
  -
  22
  21
  --
  19
  14
  --
  5 ← remainder

```

$$7229 \div 11 = 657 \text{ remainder } 2$$

```

657
11 | 7229
   66
   --
   62
   55
   --
   79
   77
   --
   2 ← remainder

```

$$7229 \div 13 = 556 \text{ remainder } 1$$


```

      556
13 | 7229
    65
    --
    72
    65
    --
    79
    78
    --
    1 ← remainder

```

$$7229 \div 17 = 425 \text{ remainder } 4$$

```

      425
17 | 7229
    68
    --
    42
    34
    --
    89
    85
    --
    4 ← remainder

```

$$7229 \div 19 = 380 \text{ remainder } 9$$

```

      380
19 | 7229
    57
    --
    152
    152
    ---
     9
     0
     -
     9 ← remainder

```

$$7229 \div 23 = 314 \text{ remainder } 7$$

```

      314
23 | 7229

```

```

69
--
32
23
--
99
92
--
7 ← remainder

```

$$7229 \div 29 = 249 \text{ remainder } 8$$

```

      249
29 | 7229
    58
    --
    142
    116
    ---
    269
    261
    ---
    8 ← remainder

```

$$7229 \div 31 = 233 \text{ remainder } 6$$

```

      233
31 | 7229
    62
    --
    102
    93
    --
    99
    93
    --
    6 ← remainder

```

$$7229 \div 37 = 195 \text{ remainder } 14$$

```

      195
37 | 7229
    37
    --

```

```

352
333
---
199
185
---
14 ← remainder

```

$$7229 \div 41 = 176 \text{ remainder } 13$$

```

      176
41 | 7229
    41
    --
    312
    287
    ---
    259
    246
    ---
    13 ← remainder

```

$$7229 \div 43 = 168 \text{ remainder } 5$$

```

      168
43 | 7229
    43
    --
    292
    258
    ---
    349
    344
    ---
     5 ← remainder

```

$$7229 \div 47 = 153 \text{ remainder } 38$$

```

      153
47 | 7229
    47
    --
    252
    235

```

```

  ---
179
141
  ---
38 ← remainder

```

$$7229 \div 53 = 136 \text{ remainder } 21$$

```

    136
53 | 7229
    53
    --
    192
    159
    ---
    339
    318
    ---
    21 ← remainder

```

$$7229 \div 59 = 122 \text{ remainder } 31$$

```

    122
59 | 7229
    59
    --
    132
    118
    ---
    149
    118
    ---
    31 ← remainder

```

$$7229 \div 61 = 118 \text{ remainder } 31$$

```

    118
61 | 7229
    61
    --
    112
    61
    --
    519

```

488

31 ← remainder

$$7229 \div 67 = 107 \text{ remainder } 60$$

$$\begin{array}{r} 107 \\ 67 \overline{) 7229} \end{array}$$

67

--

52

0

-

529

469

60 ← remainder

$$7229 \div 71 = 101 \text{ remainder } 58$$

$$\begin{array}{r} 101 \\ 71 \overline{) 7229} \end{array}$$

71

--

12

0

-

129

71

--

58 ← remainder

$$7229 \div 73 = 99 \text{ remainder } 2$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7229} \end{array}$$

657

659

657

2 ← remainder

$$7229 \div 79 = 91 \text{ remainder } 40$$

$$\begin{array}{r}
 91 \\
 79 \mid 7229 \\
 \underline{711} \\
 119 \\
 \underline{79} \\
 -- \\
 40 \leftarrow \text{remainder}
 \end{array}$$

$$7229 \div 83 = 87 \text{ remainder } 8$$

$$\begin{array}{r}
 87 \\
 83 \mid 7229 \\
 \underline{664} \\
 --- \\
 589 \\
 \underline{581} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₅ 7237

$$7237 \div 2 = 3618 \text{ remainder } 1$$

$$\begin{array}{r} 3618 \\ 2 \mid 7237 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 3 \\ \underline{2} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7237 \div 3 = 2412 \text{ remainder } 1$$

$$\begin{array}{r} 2412 \\ 3 \mid 7237 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7237 \div 5 = 1447 \text{ remainder } 2$$

$$\begin{array}{r} 1447 \\ 5 \mid 7237 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
23
20
--
37
35
--
2 ← remainder

```

$$7237 \div 7 = 1033 \text{ remainder } 6$$

```

1033
7 | 7237
  7
  -
  2
  0
  -
  23
  21
  --
  27
  21
  --
  6 ← remainder

```

$$7237 \div 11 = 657 \text{ remainder } 10$$

```

657
11 | 7237
   66
   --
   63
   55
   --
   87
   77
   --
  10 ← remainder

```

$$7237 \div 13 = 556 \text{ remainder } 9$$


```

      556
13 | 7237
    65
    --
    73
    65
    --
    87
    78
    --
    9 ← remainder

```

$$7237 \div 17 = 425 \text{ remainder } 12$$

```

      425
17 | 7237
    68
    --
    43
    34
    --
    97
    85
    --
    12 ← remainder

```

$$7237 \div 19 = 380 \text{ remainder } 17$$

```

      380
19 | 7237
    57
    --
    153
    152
    ---
    17
    0
    -
    17 ← remainder

```

$$7237 \div 23 = 314 \text{ remainder } 15$$

```

      314
23 | 7237

```

```

69
--
33
23
--
107
92
--
15 ← remainder

```

$$7237 \div 29 = 249 \text{ remainder } 16$$

```

      249
29 | 7237
    58
    --
    143
    116
    ---
    277
    261
    ---
    16 ← remainder

```

$$7237 \div 31 = 233 \text{ remainder } 14$$

```

      233
31 | 7237
    62
    --
    103
    93
    --
    107
    93
    --
    14 ← remainder

```

$$7237 \div 37 = 195 \text{ remainder } 22$$

```

      195
37 | 7237
    37
    --

```

```

353
333
---
207
185
---
22 ← remainder

```

$$7237 \div 41 = 176 \text{ remainder } 21$$

```

      176
41 | 7237
    41
    --
    313
    287
    ---
    267
    246
    ---
    21 ← remainder

```

$$7237 \div 43 = 168 \text{ remainder } 13$$

```

      168
43 | 7237
    43
    --
    293
    258
    ---
    357
    344
    ---
    13 ← remainder

```

$$7237 \div 47 = 153 \text{ remainder } 46$$

```

      153
47 | 7237
    47
    --
    253
    235

```

```

  ---
187
141
  ---
46 ← remainder

```

$$7237 \div 53 = 136 \text{ remainder } 29$$

```

  136
53 | 7237
   53
   --
   193
   159
   ---
   347
   318
   ---
   29 ← remainder

```

$$7237 \div 59 = 122 \text{ remainder } 39$$

```

  122
59 | 7237
   59
   --
   133
   118
   ---
   157
   118
   ---
   39 ← remainder

```

$$7237 \div 61 = 118 \text{ remainder } 39$$

```

  118
61 | 7237
   61
   --
   113
   61
   --
   527

```

488

39 ← remainder

$$7237 \div 67 = 108 \text{ remainder } 1$$

108

67 | 7237

67

--

53

0

-

537

536

1 ← remainder

$$7237 \div 71 = 101 \text{ remainder } 66$$

101

71 | 7237

71

--

13

0

-

137

71

--

66 ← remainder

$$7237 \div 73 = 99 \text{ remainder } 10$$

99

73 | 7237

657

667

657

10 ← remainder

$$7237 \div 79 = 91 \text{ remainder } 48$$

$$\begin{array}{r}
 91 \\
 79 \mid 7237 \\
 \underline{711} \\
 127 \\
 \underline{79} \\
 48 \leftarrow \text{remainder}
 \end{array}$$

$$7237 \div 83 = 87 \text{ remainder } 16$$

$$\begin{array}{r}
 87 \\
 83 \mid 7237 \\
 \underline{664} \\
 597 \\
 \underline{581} \\
 16 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₆ 7243

$$7243 \div 2 = 3621 \text{ remainder } 1$$

$$\begin{array}{r} 3621 \\ 2 \mid 7243 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7243 \div 3 = 2414 \text{ remainder } 1$$

$$\begin{array}{r} 2414 \\ 3 \mid 7243 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 4 \\ \underline{3} \\ - \\ 13 \\ \underline{12} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7243 \div 5 = 1448 \text{ remainder } 3$$

$$\begin{array}{r} 1448 \\ 5 \mid 7243 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
24
20
--
43
40
--
3 ← remainder

```

$$7243 \div 7 = 1034 \text{ remainder } 5$$

```

1034
7 | 7243
  7
  -
  2
  0
  -
  24
  21
  --
  33
  28
  --
  5 ← remainder

```

$$7243 \div 11 = 658 \text{ remainder } 5$$

```

658
11 | 7243
   66
   --
   64
   55
   --
   93
   88
   --
   5 ← remainder

```

$$7243 \div 13 = 557 \text{ remainder } 2$$


```

      557
13 | 7243
    65
    --
    74
    65
    --
    93
    91
    --
    2 ← remainder

```

$$7243 \div 17 = 426 \text{ remainder } 1$$

```

      426
17 | 7243
    68
    --
    44
    34
    --
    103
    102
    ---
    1 ← remainder

```

$$7243 \div 19 = 381 \text{ remainder } 4$$

```

      381
19 | 7243
    57
    --
    154
    152
    ---
    23
    19
    --
    4 ← remainder

```

$$7243 \div 23 = 314 \text{ remainder } 21$$

```

      314
23 | 7243

```

```

69
--
34
23
--
113
92
--
21 ← remainder

```

$$7243 \div 29 = 249 \text{ remainder } 22$$

```

      249
29 | 7243
    58
    --
    144
    116
    ---
    283
    261
    ---
    22 ← remainder

```

$$7243 \div 31 = 233 \text{ remainder } 20$$

```

      233
31 | 7243
    62
    --
    104
    93
    --
    113
    93
    --
    20 ← remainder

```

$$7243 \div 37 = 195 \text{ remainder } 28$$

```

      195
37 | 7243
    37
    --

```

```

354
333
---
213
185
---
28 ← remainder

```

$$7243 \div 41 = 176 \text{ remainder } 27$$

```

      176
41 | 7243
    41
    --
    314
    287
    ---
    273
    246
    ---
    27 ← remainder

```

$$7243 \div 43 = 168 \text{ remainder } 19$$

```

      168
43 | 7243
    43
    --
    294
    258
    ---
    363
    344
    ---
    19 ← remainder

```

$$7243 \div 47 = 154 \text{ remainder } 5$$

```

      154
47 | 7243
    47
    --
    254
    235

```

```

  ---
193
188
  ---
5 ← remainder

```

$$7243 \div 53 = 136 \text{ remainder } 35$$

```

    136
53 | 7243
    53
    --
    194
    159
    ---
    353
    318
    ---
    35 ← remainder

```

$$7243 \div 59 = 122 \text{ remainder } 45$$

```

    122
59 | 7243
    59
    --
    134
    118
    ---
    163
    118
    ---
    45 ← remainder

```

$$7243 \div 61 = 118 \text{ remainder } 45$$

```

    118
61 | 7243
    61
    --
    114
    61
    --
    533

```

488

45 ← remainder

$$7243 \div 67 = 108 \text{ remainder } 7$$

```
      108
67 | 7243
    67
    --
    54
    0
    -
    543
    536
    ---
    7 ← remainder
```

$$7243 \div 71 = 102 \text{ remainder } 1$$

```
      102
71 | 7243
    71
    --
    14
    0
    -
    143
    142
    ---
    1 ← remainder
```

$$7243 \div 73 = 99 \text{ remainder } 16$$

```
      99
73 | 7243
    657
    ---
    673
    657
    ---
    16 ← remainder
```

$$7243 \div 79 = 91 \text{ remainder } 54$$

$$\begin{array}{r}
 91 \\
 79 \mid 7243 \\
 \underline{711} \\
 133 \\
 \underline{79} \\
 \underline{-} \\
 54 \leftarrow \text{remainder}
 \end{array}$$

$$7243 \div 83 = 87 \text{ remainder } 22$$

$$\begin{array}{r}
 87 \\
 83 \mid 7243 \\
 \underline{664} \\
 \underline{-} \\
 603 \\
 \underline{581} \\
 \underline{-} \\
 22 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₇ 7247

$$7247 \div 2 = 3623 \text{ remainder } 1$$

$$\begin{array}{r} 3623 \\ 2 \mid 7247 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 4 \\ \underline{4} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7247 \div 3 = 2415 \text{ remainder } 2$$

$$\begin{array}{r} 2415 \\ 3 \mid 7247 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 4 \\ \underline{3} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7247 \div 5 = 1449 \text{ remainder } 2$$

$$\begin{array}{r} 1449 \\ 5 \mid 7247 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
24
20
--
47
45
--
2 ← remainder

```

$$7247 \div 7 = 1035 \text{ remainder } 2$$

```

1035
7 | 7247
  7
  -
  2
  0
  -
  24
  21
  --
  37
  35
  --
  2 ← remainder

```

$$7247 \div 11 = 658 \text{ remainder } 9$$

```

658
11 | 7247
   66
   --
   64
   55
   --
   97
   88
   --
   9 ← remainder

```

$$7247 \div 13 = 557 \text{ remainder } 6$$

$$\begin{array}{r}
 557 \\
 13 \mid 7247 \\
 \underline{65} \\
 -- \\
 74 \\
 \underline{65} \\
 -- \\
 97 \\
 \underline{91} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7247 \div 17 = 426 \text{ remainder } 5$$

$$\begin{array}{r}
 426 \\
 17 \mid 7247 \\
 \underline{68} \\
 -- \\
 44 \\
 \underline{34} \\
 -- \\
 107 \\
 \underline{102} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7247 \div 19 = 381 \text{ remainder } 8$$

$$\begin{array}{r}
 381 \\
 19 \mid 7247 \\
 \underline{57} \\
 -- \\
 154 \\
 \underline{152} \\
 --- \\
 27 \\
 \underline{19} \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$7247 \div 23 = 315 \text{ remainder } 2$$

$$\begin{array}{r}
 315 \\
 23 \mid 7247
 \end{array}$$

```

69
--
34
23
--
117
115
---
2 ← remainder

```

$$7247 \div 29 = 249 \text{ remainder } 26$$

```

      249
29 | 7247
    58
    --
    144
    116
    ---
    287
    261
    ---
    26 ← remainder

```

$$7247 \div 31 = 233 \text{ remainder } 24$$

```

      233
31 | 7247
    62
    --
    104
    93
    --
    117
    93
    --
    24 ← remainder

```

$$7247 \div 37 = 195 \text{ remainder } 32$$

```

      195
37 | 7247
    37
    --

```

```

354
333
---
217
185
---
32 ← remainder

```

$$7247 \div 41 = 176 \text{ remainder } 31$$

```

      176
41 | 7247
    41
    --
    314
    287
    ---
    277
    246
    ---
    31 ← remainder

```

$$7247 \div 43 = 168 \text{ remainder } 23$$

```

      168
43 | 7247
    43
    --
    294
    258
    ---
    367
    344
    ---
    23 ← remainder

```

$$7247 \div 47 = 154 \text{ remainder } 9$$

```

      154
47 | 7247
    47
    --
    254
    235

```

```

  ---
197
188
  ---
9 ← remainder

```

$$7247 \div 53 = 136 \text{ remainder } 39$$

```

    136
53 | 7247
    53
    --
    194
    159
    ---
    357
    318
    ---
    39 ← remainder

```

$$7247 \div 59 = 122 \text{ remainder } 49$$

```

    122
59 | 7247
    59
    --
    134
    118
    ---
    167
    118
    ---
    49 ← remainder

```

$$7247 \div 61 = 118 \text{ remainder } 49$$

```

    118
61 | 7247
    61
    --
    114
    61
    --
    537

```

488

49 ← remainder

$$7247 \div 67 = 108 \text{ remainder } 11$$

```
      108
67 | 7247
    67
    --
    54
    0
    -
    547
    536
    ---
    11 ← remainder
```

$$7247 \div 71 = 102 \text{ remainder } 5$$

```
      102
71 | 7247
    71
    --
    14
    0
    -
    147
    142
    ---
    5 ← remainder
```

$$7247 \div 73 = 99 \text{ remainder } 20$$

```
      99
73 | 7247
    657
    ---
    677
    657
    ---
    20 ← remainder
```

$$7247 \div 79 = 91 \text{ remainder } 58$$

$$\begin{array}{r}
 91 \\
 79 \overline{) 7247} \\
 \underline{711} \\
 137 \\
 \underline{79} \\
 58 \leftarrow \text{remainder}
 \end{array}$$

$$7247 \div 83 = 87 \text{ remainder } 26$$

$$\begin{array}{r}
 87 \\
 83 \overline{) 7247} \\
 \underline{664} \\
 607 \\
 \underline{581} \\
 26 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₈ 7253

$$7253 \div 2 = 3626 \text{ remainder } 1$$

$$\begin{array}{r} 3626 \\ 2 \mid 7253 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7253 \div 3 = 2417 \text{ remainder } 2$$

$$\begin{array}{r} 2417 \\ 3 \mid 7253 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ -- \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7253 \div 5 = 1450 \text{ remainder } 3$$

$$\begin{array}{r} 1450 \\ 5 \mid 7253 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
25
25
--
3
0
-
3 ← remainder

```

$$7253 \div 7 = 1036 \text{ remainder } 1$$

```

1036
7 | 7253
  7
  -
  2
  0
  -
  25
  21
  --
  43
  42
  --
  1 ← remainder

```

$$7253 \div 11 = 659 \text{ remainder } 4$$

```

659
11 | 7253
   66
   --
   65
   55
   --
  103
   99
   --
   4 ← remainder

```

$$7253 \div 13 = 557 \text{ remainder } 12$$


```

      557
13 | 7253
    65
    --
    75
    65
    --
    103
    91
    --
    12 ← remainder

```

$$7253 \div 17 = 426 \text{ remainder } 11$$

```

      426
17 | 7253
    68
    --
    45
    34
    --
    113
    102
    ---
    11 ← remainder

```

$$7253 \div 19 = 381 \text{ remainder } 14$$

```

      381
19 | 7253
    57
    --
    155
    152
    ---
    33
    19
    --
    14 ← remainder

```

$$7253 \div 23 = 315 \text{ remainder } 8$$

```

      315
23 | 7253

```

```

69
--
35
23
--
123
115
---
8 ← remainder

```

$$7253 \div 29 = 250 \text{ remainder } 3$$

```

      250
29 | 7253
    58
    --
    145
    145
    ---
      3
      0
      -
      3 ← remainder

```

$$7253 \div 31 = 233 \text{ remainder } 30$$

```

      233
31 | 7253
    62
    --
    105
    93
    --
    123
    93
    --
    30 ← remainder

```

$$7253 \div 37 = 196 \text{ remainder } 1$$

```

      196
37 | 7253
    37
    --

```

```

355
333
---
223
222
---
1 ← remainder

```

$$7253 \div 41 = 176 \text{ remainder } 37$$

```

      176
41 | 7253
    41
    --
    315
    287
    ---
    283
    246
    ---
    37 ← remainder

```

$$7253 \div 43 = 168 \text{ remainder } 29$$

```

      168
43 | 7253
    43
    --
    295
    258
    ---
    373
    344
    ---
    29 ← remainder

```

$$7253 \div 47 = 154 \text{ remainder } 15$$

```

      154
47 | 7253
    47
    --
    255
    235

```

```

  ---
203
188
  ---
15 ← remainder

```

$$7253 \div 53 = 136 \text{ remainder } 45$$

```

    136
53 | 7253
    53
    --
    195
    159
    ---
    363
    318
    ---
    45 ← remainder

```

$$7253 \div 59 = 122 \text{ remainder } 55$$

```

    122
59 | 7253
    59
    --
    135
    118
    ---
    173
    118
    ---
    55 ← remainder

```

$$7253 \div 61 = 118 \text{ remainder } 55$$

```

    118
61 | 7253
    61
    --
    115
    61
    --
    543

```

488

55 ← remainder

$$7253 \div 67 = 108 \text{ remainder } 17$$

$$\begin{array}{r} 108 \\ 67 \overline{) 7253} \end{array}$$

67

--

55

0

-

553

536

17 ← remainder

$$7253 \div 71 = 102 \text{ remainder } 11$$

$$\begin{array}{r} 102 \\ 71 \overline{) 7253} \end{array}$$

71

--

15

0

-

153

142

11 ← remainder

$$7253 \div 73 = 99 \text{ remainder } 26$$

$$\begin{array}{r} 99 \\ 73 \overline{) 7253} \end{array}$$

657

683

657

26 ← remainder

$$7253 \div 79 = 91 \text{ remainder } 64$$

$$\begin{array}{r}
 91 \\
 79 \mid 7253 \\
 \underline{711} \\
 143 \\
 \underline{79} \\
 \underline{-} \\
 64 \leftarrow \text{remainder}
 \end{array}$$

$$7253 \div 83 = 87 \text{ remainder } 32$$

$$\begin{array}{r}
 87 \\
 83 \mid 7253 \\
 \underline{664} \\
 \underline{-} \\
 613 \\
 \underline{581} \\
 \underline{-} \\
 32 \leftarrow \text{remainder}
 \end{array}$$

P₉₂₉ 7283

$$7283 \div 2 = 3641 \text{ remainder } 1$$

$$\begin{array}{r} 3641 \\ 2 \mid 7283 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7283 \div 3 = 2427 \text{ remainder } 2$$

$$\begin{array}{r} 2427 \\ 3 \mid 7283 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7283 \div 5 = 1456 \text{ remainder } 3$$

$$\begin{array}{r} 1456 \\ 5 \mid 7283 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
28
25
--
33
30
--
3 ← remainder

```

$$7283 \div 7 = 1040 \text{ remainder } 3$$

```

    1040
7 | 7283
  7
  -
  2
  0
  -
  28
  28
  --
   3
   0
   -
   3 ← remainder

```

$$7283 \div 11 = 662 \text{ remainder } 1$$

```

    662
11 | 7283
   66
   --
   68
   66
   --
   23
   22
   --
   1 ← remainder

```

$$7283 \div 13 = 560 \text{ remainder } 3$$

$$\begin{array}{r}
 560 \\
 13 \mid 7283 \\
 \underline{65} \\
 78 \\
 \underline{78} \\
 0 \\
 0 \\
 \underline{0} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$7283 \div 17 = 428 \text{ remainder } 7$$

$$\begin{array}{r}
 428 \\
 17 \mid 7283 \\
 \underline{68} \\
 48 \\
 \underline{34} \\
 143 \\
 \underline{136} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7283 \div 19 = 383 \text{ remainder } 6$$

$$\begin{array}{r}
 383 \\
 19 \mid 7283 \\
 \underline{57} \\
 158 \\
 \underline{152} \\
 63 \\
 \underline{57} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7283 \div 23 = 316 \text{ remainder } 15$$

$$\begin{array}{r}
 316 \\
 23 \mid 7283
 \end{array}$$

```

69
--
38
23
--
153
138
---
15 ← remainder

```

$$7283 \div 29 = 251 \text{ remainder } 4$$

```

      251
29 | 7283
    58
    --
    148
    145
    ---
     33
     29
     --
     4 ← remainder

```

$$7283 \div 31 = 234 \text{ remainder } 29$$

```

      234
31 | 7283
    62
    --
    108
    93
    --
    153
    124
    ---
    29 ← remainder

```

$$7283 \div 37 = 196 \text{ remainder } 31$$

```

      196
37 | 7283
    37
    --

```

```

358
333
---
253
222
---
31 ← remainder

```

$$7283 \div 41 = 177 \text{ remainder } 26$$

```

      177
41 | 7283
    41
    --
    318
    287
    ---
    313
    287
    ---
    26 ← remainder

```

$$7283 \div 43 = 169 \text{ remainder } 16$$

```

      169
43 | 7283
    43
    --
    298
    258
    ---
    403
    387
    ---
    16 ← remainder

```

$$7283 \div 47 = 154 \text{ remainder } 45$$

```

      154
47 | 7283
    47
    --
    258
    235

```

```

  ---
233
188
  ---
45 ← remainder

```

$$7283 \div 53 = 137 \text{ remainder } 22$$

```

    137
53 | 7283
    53
    --
    198
    159
    ---
    393
    371
    ---
    22 ← remainder

```

$$7283 \div 59 = 123 \text{ remainder } 26$$

```

    123
59 | 7283
    59
    --
    138
    118
    ---
    203
    177
    ---
    26 ← remainder

```

$$7283 \div 61 = 119 \text{ remainder } 24$$

```

    119
61 | 7283
    61
    --
    118
    61
    --
    573

```

549

24 ← remainder

$$7283 \div 67 = 108 \text{ remainder } 47$$

108

67 | 7283

67

--

58

0

-

583

536

47 ← remainder

$$7283 \div 71 = 102 \text{ remainder } 41$$

102

71 | 7283

71

--

18

0

-

183

142

41 ← remainder

$$7283 \div 73 = 99 \text{ remainder } 56$$

99

73 | 7283

657

713

657

56 ← remainder

$$7283 \div 79 = 92 \text{ remainder } 15$$

$$\begin{array}{r}
 92 \\
 79 \mid 7283 \\
 711 \\
 --- \\
 173 \\
 158 \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$7283 \div 83 = 87 \text{ remainder } 62$$

$$\begin{array}{r}
 87 \\
 83 \mid 7283 \\
 664 \\
 --- \\
 643 \\
 581 \\
 --- \\
 62 \leftarrow \text{remainder}
 \end{array}$$

P₉₃₀ 7297

$$7297 \div 2 = 3648 \text{ remainder } 1$$

$$\begin{array}{r} 3648 \\ 2 \mid 7297 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 9 \\ \underline{8} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7297 \div 3 = 2432 \text{ remainder } 1$$

$$\begin{array}{r} 2432 \\ 3 \mid 7297 \\ \underline{6} \\ - \\ 12 \\ \underline{12} \\ - - \\ 9 \\ \underline{9} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7297 \div 5 = 1459 \text{ remainder } 2$$

$$\begin{array}{r} 1459 \\ 5 \mid 7297 \\ \underline{5} \\ - \end{array}$$

```

22
20
--
29
25
--
47
45
--
2 ← remainder

```

$$7297 \div 7 = 1042 \text{ remainder } 3$$

```

1042
7 | 7297
  7
  -
  2
  0
  -
  29
  28
  --
  17
  14
  --
  3 ← remainder

```

$$7297 \div 11 = 663 \text{ remainder } 4$$

```

663
11 | 7297
   66
   --
   69
   66
   --
   37
   33
   --
   4 ← remainder

```

$$7297 \div 13 = 561 \text{ remainder } 4$$

$$\begin{array}{r}
 561 \\
 13 \mid 7297 \\
 \underline{65} \\
 -- \\
 79 \\
 \underline{78} \\
 -- \\
 17 \\
 \underline{13} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$7297 \div 17 = 429 \text{ remainder } 4$$

$$\begin{array}{r}
 429 \\
 17 \mid 7297 \\
 \underline{68} \\
 -- \\
 49 \\
 \underline{34} \\
 -- \\
 157 \\
 \underline{153} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$7297 \div 19 = 384 \text{ remainder } 1$$

$$\begin{array}{r}
 384 \\
 19 \mid 7297 \\
 \underline{57} \\
 -- \\
 159 \\
 \underline{152} \\
 --- \\
 77 \\
 \underline{76} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7297 \div 23 = 317 \text{ remainder } 6$$

$$\begin{array}{r}
 317 \\
 23 \mid 7297
 \end{array}$$

```

69
--
39
23
--
167
161
---
6 ← remainder

```

$$7297 \div 29 = 251 \text{ remainder } 18$$

```

251
29 | 7297
   58
   --
   149
   145
   ---
    47
    29
    --
    18 ← remainder

```

$$7297 \div 31 = 235 \text{ remainder } 12$$

```

235
31 | 7297
   62
   --
   109
   93
   --
   167
   155
   ---
   12 ← remainder

```

$$7297 \div 37 = 197 \text{ remainder } 8$$

```

197
37 | 7297
   37
   --

```

```

359
333
---
267
259
---
8 ← remainder

```

$$7297 \div 41 = 177 \text{ remainder } 40$$

```

      177
41 | 7297
    41
    --
    319
    287
    ---
    327
    287
    ---
    40 ← remainder

```

$$7297 \div 43 = 169 \text{ remainder } 30$$

```

      169
43 | 7297
    43
    --
    299
    258
    ---
    417
    387
    ---
    30 ← remainder

```

$$7297 \div 47 = 155 \text{ remainder } 12$$

```

      155
47 | 7297
    47
    --
    259
    235

```

```

  ---
247
235
  ---
12 ← remainder

```

$$7297 \div 53 = 137 \text{ remainder } 36$$

```

  137
53 | 7297
   53
   --
  199
  159
   ---
   407
   371
   ---
   36 ← remainder

```

$$7297 \div 59 = 123 \text{ remainder } 40$$

```

  123
59 | 7297
   59
   --
  139
  118
   ---
  217
  177
   ---
  40 ← remainder

```

$$7297 \div 61 = 119 \text{ remainder } 38$$

```

  119
61 | 7297
   61
   --
  119
   61
   --
  587

```

549

38 ← remainder

$$7297 \div 67 = 108 \text{ remainder } 61$$

```
      108
67 | 7297
    67
    --
    59
    0
    -
    597
    536
    ---
    61 ← remainder
```

$$7297 \div 71 = 102 \text{ remainder } 55$$

```
      102
71 | 7297
    71
    --
    19
    0
    -
    197
    142
    ---
    55 ← remainder
```

$$7297 \div 73 = 99 \text{ remainder } 70$$

```
      99
73 | 7297
    657
    ---
    727
    657
    ---
    70 ← remainder
```

$$7297 \div 79 = 92 \text{ remainder } 29$$

$$\begin{array}{r}
 92 \\
 79 \overline{) 7297} \\
 \underline{711} \\
 187 \\
 \underline{158} \\
 29 \leftarrow \text{remainder}
 \end{array}$$

$$7297 \div 83 = 87 \text{ remainder } 76$$

$$\begin{array}{r}
 87 \\
 83 \overline{) 7297} \\
 \underline{664} \\
 657 \\
 \underline{581} \\
 76 \leftarrow \text{remainder}
 \end{array}$$

P₉₃₁ 7307

$$7307 \div 2 = 3653 \text{ remainder } 1$$

$$\begin{array}{r} 3653 \\ 2 \mid 7307 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7307 \div 3 = 2435 \text{ remainder } 2$$

$$\begin{array}{r} 2435 \\ 3 \mid 7307 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7307 \div 5 = 1461 \text{ remainder } 2$$

$$\begin{array}{r} 1461 \\ 5 \mid 7307 \\ \underline{5} \\ - \end{array}$$

```

23
20
--
30
30
--
7
5
-
2 ← remainder

```

$$7307 \div 7 = 1043 \text{ remainder } 6$$

```

1043
7 | 7307
  7
  -
  3
  0
  -
  30
  28
  --
  27
  21
  --
  6 ← remainder

```

$$7307 \div 11 = 664 \text{ remainder } 3$$

```

664
11 | 7307
   66
   --
   70
   66
   --
   47
   44
   --
   3 ← remainder

```

$$7307 \div 13 = 562 \text{ remainder } 1$$


```

      562
13 | 7307
    65
    --
    80
    78
    --
    27
    26
    --
    1 ← remainder

```

$7307 \div 17 = 429 \text{ remainder } 14$

```

      429
17 | 7307
    68
    --
    50
    34
    --
    167
    153
    ---
    14 ← remainder

```

$7307 \div 19 = 384 \text{ remainder } 11$

```

      384
19 | 7307
    57
    --
    160
    152
    ---
    87
    76
    --
    11 ← remainder

```

$7307 \div 23 = 317 \text{ remainder } 16$

```

      317
23 | 7307

```

```

69
--
40
23
--
177
161
---
16 ← remainder

```

$$7307 \div 29 = 251 \text{ remainder } 28$$

```

      251
29 | 7307
    58
    --
    150
    145
    ---
     57
     29
     --
     28 ← remainder

```

$$7307 \div 31 = 235 \text{ remainder } 22$$

```

      235
31 | 7307
    62
    --
    110
    93
    --
    177
    155
    ---
     22 ← remainder

```

$$7307 \div 37 = 197 \text{ remainder } 18$$

```

      197
37 | 7307
    37
    --

```

```

360
333
---
277
259
---
18 ← remainder

```

$$7307 \div 41 = 178 \text{ remainder } 9$$

```

      178
41 | 7307
    41
    --
    320
    287
    ---
    337
    328
    ---
    9 ← remainder

```

$$7307 \div 43 = 169 \text{ remainder } 40$$

```

      169
43 | 7307
    43
    --
    300
    258
    ---
    427
    387
    ---
    40 ← remainder

```

$$7307 \div 47 = 155 \text{ remainder } 22$$

```

      155
47 | 7307
    47
    --
    260
    235

```

```

  ---
257
235
  ---
22 ← remainder

```

$$7307 \div 53 = 137 \text{ remainder } 46$$

```

  137
53 | 7307
   53
   --
  200
  159
   ---
   417
   371
   ---
   46 ← remainder

```

$$7307 \div 59 = 123 \text{ remainder } 50$$

```

  123
59 | 7307
   59
   --
  140
  118
   ---
  227
  177
   ---
  50 ← remainder

```

$$7307 \div 61 = 119 \text{ remainder } 48$$

```

  119
61 | 7307
   61
   --
  120
   61
   --
  597

```

549

48 ← remainder

$$7307 \div 67 = 109 \text{ remainder } 4$$

```
      109
67 | 7307
    67
    --
    60
    0
    -
    607
    603
    ---
    4 ← remainder
```

$$7307 \div 71 = 102 \text{ remainder } 65$$

```
      102
71 | 7307
    71
    --
    20
    0
    -
    207
    142
    ---
    65 ← remainder
```

$$7307 \div 73 = 100 \text{ remainder } 7$$

```
      100
73 | 7307
    73
    --
    0
    0
    -
    7
    0
```

-
7 ← remainder

$$7307 \div 79 = 92 \text{ remainder } 39$$

92
79 | 7307
711

197
158

39 ← remainder

$$7307 \div 83 = 88 \text{ remainder } 3$$

88
83 | 7307
664

667
664

3 ← remainder

P₉₃₂ 7309

$$7309 \div 2 = 3654 \text{ remainder } 1$$

$$\begin{array}{r} 3654 \\ 2 \mid 7309 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7309 \div 3 = 2436 \text{ remainder } 1$$

$$\begin{array}{r} 2436 \\ 3 \mid 7309 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 10 \\ \underline{9} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7309 \div 5 = 1461 \text{ remainder } 4$$

$$\begin{array}{r} 1461 \\ 5 \mid 7309 \\ \underline{5} \\ - \end{array}$$

```

23
20
--
30
30
--
9
5
-
4 ← remainder

```

$$7309 \div 7 = 1044 \text{ remainder } 1$$

```

1044
7 | 7309
  7
  -
  3
  0
  -
  30
  28
  --
  29
  28
  --
  1 ← remainder

```

$$7309 \div 11 = 664 \text{ remainder } 5$$

```

664
11 | 7309
   66
   --
   70
   66
   --
   49
   44
   --
   5 ← remainder

```

$$7309 \div 13 = 562 \text{ remainder } 3$$


```

      562
13 | 7309
    65
    --
    80
    78
    --
    29
    26
    --
    3 ← remainder

```

$7309 \div 17 = 429 \text{ remainder } 16$

```

      429
17 | 7309
    68
    --
    50
    34
    --
    169
    153
    ---
    16 ← remainder

```

$7309 \div 19 = 384 \text{ remainder } 13$

```

      384
19 | 7309
    57
    --
    160
    152
    ---
    89
    76
    --
    13 ← remainder

```

$7309 \div 23 = 317 \text{ remainder } 18$

```

      317
23 | 7309

```

```

69
--
40
23
--
179
161
---
18 ← remainder

```

$$7309 \div 29 = 252 \text{ remainder } 1$$

```

      252
29 | 7309
    58
    --
    150
    145
    ---
     59
     58
     --
     1 ← remainder

```

$$7309 \div 31 = 235 \text{ remainder } 24$$

```

      235
31 | 7309
    62
    --
    110
    93
    --
    179
    155
    ---
    24 ← remainder

```

$$7309 \div 37 = 197 \text{ remainder } 20$$

```

      197
37 | 7309
    37
    --

```

```

360
333
---
279
259
---
20 ← remainder

```

$$7309 \div 41 = 178 \text{ remainder } 11$$

```

      178
41 | 7309
    41
    --
    320
    287
    ---
    339
    328
    ---
    11 ← remainder

```

$$7309 \div 43 = 169 \text{ remainder } 42$$

```

      169
43 | 7309
    43
    --
    300
    258
    ---
    429
    387
    ---
    42 ← remainder

```

$$7309 \div 47 = 155 \text{ remainder } 24$$

```

      155
47 | 7309
    47
    --
    260
    235

```

```

  ---
259
235
  ---
24 ← remainder

```

$$7309 \div 53 = 137 \text{ remainder } 48$$

```

  137
53 | 7309
   53
   --
  200
  159
   ---
   419
   371
   ---
   48 ← remainder

```

$$7309 \div 59 = 123 \text{ remainder } 52$$

```

  123
59 | 7309
   59
   --
  140
  118
   ---
  229
  177
   ---
  52 ← remainder

```

$$7309 \div 61 = 119 \text{ remainder } 50$$

```

  119
61 | 7309
   61
   --
  120
   61
   --
  599

```

549

50 ← remainder

$$7309 \div 67 = 109 \text{ remainder } 6$$

```
      109
67 | 7309
    67
    --
    60
    0
    -
    609
    603
    ---
    6 ← remainder
```

$$7309 \div 71 = 102 \text{ remainder } 67$$

```
      102
71 | 7309
    71
    --
    20
    0
    -
    209
    142
    ---
    67 ← remainder
```

$$7309 \div 73 = 100 \text{ remainder } 9$$

```
      100
73 | 7309
    73
    --
    0
    0
    -
    9
    0
```

-
9 ← remainder

$$7309 \div 79 = 92 \text{ remainder } 41$$

```
      92
79 | 7309
    711
    ---
    199
    158
    ---
    41 ← remainder
```

$$7309 \div 83 = 88 \text{ remainder } 5$$

```
      88
83 | 7309
    664
    ---
    669
    664
    ---
    5 ← remainder
```

P₉₃₃ 7321

$$7321 \div 2 = 3660 \text{ remainder } 1$$

$$\begin{array}{r} 3660 \\ 2 \mid 7321 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7321 \div 3 = 2440 \text{ remainder } 1$$

$$\begin{array}{r} 2440 \\ 3 \mid 7321 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7321 \div 5 = 1464 \text{ remainder } 1$$

$$\begin{array}{r} 1464 \\ 5 \mid 7321 \\ \underline{5} \\ - \end{array}$$

```

23
20
--
32
30
--
21
20
--
1 ← remainder

```

$$7321 \div 7 = 1045 \text{ remainder } 6$$

```

1045
7 | 7321
  7
  -
  3
  0
  -
  32
  28
  --
  41
  35
  --
  6 ← remainder

```

$$7321 \div 11 = 665 \text{ remainder } 6$$

```

665
11 | 7321
   66
   --
   72
   66
   --
   61
   55
   --
   6 ← remainder

```

$$7321 \div 13 = 563 \text{ remainder } 2$$


```

      563
13 | 7321
    65
    --
    82
    78
    --
    41
    39
    --
    2 ← remainder

```

$7321 \div 17 = 430 \text{ remainder } 11$

```

      430
17 | 7321
    68
    --
    52
    51
    --
    11
    0
    -
    11 ← remainder

```

$7321 \div 19 = 385 \text{ remainder } 6$

```

      385
19 | 7321
    57
    --
    162
    152
    ---
    101
    95
    --
    6 ← remainder

```

$7321 \div 23 = 318 \text{ remainder } 7$

```

      318
23 | 7321

```

```

69
--
42
23
--
191
184
---
7 ← remainder

```

$$7321 \div 29 = 252 \text{ remainder } 13$$

```

      252
29 | 7321
    58
    --
    152
    145
    ---
     71
     58
     --
     13 ← remainder

```

$$7321 \div 31 = 236 \text{ remainder } 5$$

```

      236
31 | 7321
    62
    --
    112
    93
    --
    191
    186
    ---
     5 ← remainder

```

$$7321 \div 37 = 197 \text{ remainder } 32$$

```

      197
37 | 7321
    37
    --

```

```

362
333
---
291
259
---
32 ← remainder

```

$$7321 \div 41 = 178 \text{ remainder } 23$$

```

      178
41 | 7321
    41
    --
    322
    287
    ---
    351
    328
    ---
    23 ← remainder

```

$$7321 \div 43 = 170 \text{ remainder } 11$$

```

      170
43 | 7321
    43
    --
    302
    301
    ---
    11
    0
    -
    11 ← remainder

```

$$7321 \div 47 = 155 \text{ remainder } 36$$

```

      155
47 | 7321
    47
    --
    262
    235

```

```

  ---
271
235
  ---
36 ← remainder

```

$$7321 \div 53 = 138 \text{ remainder } 7$$

```

  138
53 | 7321
   53
   --
  202
  159
   ---
   431
   424
   ---
    7 ← remainder

```

$$7321 \div 59 = 124 \text{ remainder } 5$$

```

  124
59 | 7321
   59
   --
  142
  118
   ---
   241
   236
   ---
    5 ← remainder

```

$$7321 \div 61 = 120 \text{ remainder } 1$$

```

  120
61 | 7321
   61
   --
  122
  122
   ---
    1

```

0
-
1 ← remainder

$$7321 \div 67 = 109 \text{ remainder } 18$$

```

      109
67 | 7321
    67
    --
    62
    0
    -
    621
    603
    ---
    18 ← remainder

```

$$7321 \div 71 = 103 \text{ remainder } 8$$

```

      103
71 | 7321
    71
    --
    22
    0
    -
    221
    213
    ---
    8 ← remainder

```

$$7321 \div 73 = 100 \text{ remainder } 21$$

```

      100
73 | 7321
    73
    --
    2
    0
    -
    21
    0

```

-
21 ← remainder

$$7321 \div 79 = 92 \text{ remainder } 53$$

92
79 | 7321
711

211
158

53 ← remainder

$$7321 \div 83 = 88 \text{ remainder } 17$$

88
83 | 7321
664

681
664

17 ← remainder

P₉₃₄ 7331

$$7331 \div 2 = 3665 \text{ remainder } 1$$

$$\begin{array}{r} 3665 \\ 2 \mid 7331 \\ \underline{6} \\ 13 \\ \underline{12} \\ 13 \\ \underline{12} \\ 11 \\ \underline{10} \\ 1 \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7331 \div 3 = 2443 \text{ remainder } 2$$

$$\begin{array}{r} 2443 \\ 3 \mid 7331 \\ \underline{6} \\ 13 \\ \underline{12} \\ 13 \\ \underline{12} \\ 11 \\ \underline{9} \\ 2 \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7331 \div 5 = 1466 \text{ remainder } 1$$

$$\begin{array}{r} 1466 \\ 5 \mid 7331 \\ \underline{5} \\ - \end{array}$$

```

23
20
--
33
30
--
31
30
--
1 ← remainder

```

$$7331 \div 7 = 1047 \text{ remainder } 2$$

```

1047
7 | 7331
  7
  -
  3
  0
  -
  33
  28
  --
  51
  49
  --
  2 ← remainder

```

$$7331 \div 11 = 666 \text{ remainder } 5$$

```

666
11 | 7331
   66
   --
   73
   66
   --
   71
   66
   --
   5 ← remainder

```

$$7331 \div 13 = 563 \text{ remainder } 12$$


```

      563
13 | 7331
    65
    --
    83
    78
    --
    51
    39
    --
    12 ← remainder

```

$$7331 \div 17 = 431 \text{ remainder } 4$$

```

      431
17 | 7331
    68
    --
    53
    51
    --
    21
    17
    --
    4 ← remainder

```

$$7331 \div 19 = 385 \text{ remainder } 16$$

```

      385
19 | 7331
    57
    --
    163
    152
    ---
    111
    95
    --
    16 ← remainder

```

$$7331 \div 23 = 318 \text{ remainder } 17$$

```

      318
23 | 7331

```

```

69
--
43
23
--
201
184
---
17 ← remainder

```

$$7331 \div 29 = 252 \text{ remainder } 23$$

```

      252
29 | 7331
    58
    --
    153
    145
    ---
     81
     58
     --
     23 ← remainder

```

$$7331 \div 31 = 236 \text{ remainder } 15$$

```

      236
31 | 7331
    62
    --
    113
    93
    --
    201
    186
    ---
    15 ← remainder

```

$$7331 \div 37 = 198 \text{ remainder } 5$$

```

      198
37 | 7331
    37
    --

```

```

363
333
---
301
296
---
5 ← remainder

```

$$7331 \div 41 = 178 \text{ remainder } 33$$

```

      178
41 | 7331
    41
    --
    323
    287
    ---
    361
    328
    ---
    33 ← remainder

```

$$7331 \div 43 = 170 \text{ remainder } 21$$

```

      170
43 | 7331
    43
    --
    303
    301
    ---
    21
    0
    -
    21 ← remainder

```

$$7331 \div 47 = 155 \text{ remainder } 46$$

```

      155
47 | 7331
    47
    --
    263
    235

```

```

  ---
281
235
  ---
46 ← remainder

```

$$7331 \div 53 = 138 \text{ remainder } 17$$

```

  138
53 | 7331
   53
   --
  203
  159
   ---
   441
   424
   ---
   17 ← remainder

```

$$7331 \div 59 = 124 \text{ remainder } 15$$

```

  124
59 | 7331
   59
   --
  143
  118
   ---
  251
  236
   ---
   15 ← remainder

```

$$7331 \div 61 = 120 \text{ remainder } 11$$

```

  120
61 | 7331
   61
   --
  123
  122
   ---
   11

```

0
-
11 ← remainder

$$7331 \div 67 = 109 \text{ remainder } 28$$

109
67 | 7331
67
--
63
0
-
631
603

28 ← remainder

$$7331 \div 71 = 103 \text{ remainder } 18$$

103
71 | 7331
71
--
23
0
-
231
213

18 ← remainder

$$7331 \div 73 = 100 \text{ remainder } 31$$

100
73 | 7331
73
--
3
0
-
31
0

-
31 \leftarrow remainder

$$7331 \div 79 = 92 \text{ remainder } 63$$

92
79 | 7331
711

221
158

63 \leftarrow remainder

$$7331 \div 83 = 88 \text{ remainder } 27$$

88
83 | 7331
664

691
664

27 \leftarrow remainder

P₉₃₅ 7333

$$7333 \div 2 = 3666 \text{ remainder } 1$$

$$\begin{array}{r} 3666 \\ 2 \mid 7333 \\ 6 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7333 \div 3 = 2444 \text{ remainder } 1$$

$$\begin{array}{r} 2444 \\ 3 \mid 7333 \\ 6 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 13 \\ 12 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7333 \div 5 = 1466 \text{ remainder } 3$$

$$\begin{array}{r} 1466 \\ 5 \mid 7333 \\ 5 \\ - \end{array}$$

```

23
20
--
33
30
--
33
30
--
3 ← remainder

```

$$7333 \div 7 = 1047 \text{ remainder } 4$$

```

1047
7 | 7333
  7
  -
  3
  0
  -
  33
  28
  --
  53
  49
  --
  4 ← remainder

```

$$7333 \div 11 = 666 \text{ remainder } 7$$

```

666
11 | 7333
   66
   --
   73
   66
   --
   73
   66
   --
   7 ← remainder

```

$$7333 \div 13 = 564 \text{ remainder } 1$$


```

      564
13 | 7333
    65
    --
    83
    78
    --
    53
    52
    --
    1 ← remainder

```

$$7333 \div 17 = 431 \text{ remainder } 6$$

```

      431
17 | 7333
    68
    --
    53
    51
    --
    23
    17
    --
    6 ← remainder

```

$$7333 \div 19 = 385 \text{ remainder } 18$$

```

      385
19 | 7333
    57
    --
    163
    152
    ---
    113
    95
    --
    18 ← remainder

```

$$7333 \div 23 = 318 \text{ remainder } 19$$

```

      318
23 | 7333

```

```

69
--
43
23
--
203
184
---
19 ← remainder

```

$$7333 \div 29 = 252 \text{ remainder } 25$$

```

252
29 | 7333
   58
   --
   153
   145
   ---
    83
    58
    --
    25 ← remainder

```

$$7333 \div 31 = 236 \text{ remainder } 17$$

```

236
31 | 7333
   62
   --
   113
   93
   --
   203
   186
   ---
    17 ← remainder

```

$$7333 \div 37 = 198 \text{ remainder } 7$$

```

198
37 | 7333
   37
   --

```

```

363
333
---
303
296
---
7 ← remainder

```

$$7333 \div 41 = 178 \text{ remainder } 35$$

```

178
41 | 7333
   41
   --
   323
   287
   ---
   363
   328
   ---
   35 ← remainder

```

$$7333 \div 43 = 170 \text{ remainder } 23$$

```

170
43 | 7333
   43
   --
   303
   301
   ---
   23
   0
   -
   23 ← remainder

```

$$7333 \div 47 = 156 \text{ remainder } 1$$

```

156
47 | 7333
   47
   --
   263
   235

```

```

  ---
283
282
  ---
1 ← remainder

```

$$7333 \div 53 = 138 \text{ remainder } 19$$

```

  138
53 | 7333
   53
   --
  203
  159
   ---
   443
   424
   ---
   19 ← remainder

```

$$7333 \div 59 = 124 \text{ remainder } 17$$

```

  124
59 | 7333
   59
   --
  143
  118
   ---
  253
  236
   ---
   17 ← remainder

```

$$7333 \div 61 = 120 \text{ remainder } 13$$

```

  120
61 | 7333
   61
   --
  123
  122
   ---
   13

```

0
-
13 ← remainder

$$7333 \div 67 = 109 \text{ remainder } 30$$

109
67 | 7333
67
--
63
0
-
633
603

30 ← remainder

$$7333 \div 71 = 103 \text{ remainder } 20$$

103
71 | 7333
71
--
23
0
-
233
213

20 ← remainder

$$7333 \div 73 = 100 \text{ remainder } 33$$

100
73 | 7333
73
--
3
0
-
33
0

-
33 ← remainder

$$7333 \div 79 = 92 \text{ remainder } 65$$

92
79 | 7333
711

223
158

65 ← remainder

$$7333 \div 83 = 88 \text{ remainder } 29$$

88
83 | 7333
664

693
664

29 ← remainder

P₉₃₆ 7349

$$7349 \div 2 = 3674 \text{ remainder } 1$$

$$\begin{array}{r} 3674 \\ 2 \mid 7349 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 3 = 2449 \text{ remainder } 2$$

$$\begin{array}{r} 2449 \\ 3 \mid 7349 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 14 \\ \underline{12} \\ - - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7349 \div 5 = 1469 \text{ remainder } 4$$

$$\begin{array}{r} 1469 \\ 5 \mid 7349 \\ \underline{5} \\ - \end{array}$$

```

23
20
--
34
30
--
49
45
--
4 ← remainder

```

$$7349 \div 7 = 1049 \text{ remainder } 6$$

```

1049
7 | 7349
  7
  -
  3
  0
  -
  34
  28
  --
  69
  63
  --
  6 ← remainder

```

$$7349 \div 11 = 668 \text{ remainder } 1$$

```

668
11 | 7349
   66
   --
   74
   66
   --
   89
   88
   --
   1 ← remainder

```

$$7349 \div 13 = 565 \text{ remainder } 4$$

$$\begin{array}{r}
 565 \\
 13 \mid 7349 \\
 \underline{65} \\
 -- \\
 84 \\
 \underline{78} \\
 -- \\
 69 \\
 \underline{65} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$7349 \div 17 = 432 \text{ remainder } 5$$

$$\begin{array}{r}
 432 \\
 17 \mid 7349 \\
 \underline{68} \\
 -- \\
 54 \\
 \underline{51} \\
 -- \\
 39 \\
 \underline{34} \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7349 \div 19 = 386 \text{ remainder } 15$$

$$\begin{array}{r}
 386 \\
 19 \mid 7349 \\
 \underline{57} \\
 -- \\
 164 \\
 \underline{152} \\
 --- \\
 129 \\
 \underline{114} \\
 --- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$7349 \div 23 = 319 \text{ remainder } 12$$

$$\begin{array}{r}
 319 \\
 23 \mid 7349
 \end{array}$$

```

69
--
44
23
--
219
207
---
12 ← remainder

```

$$7349 \div 29 = 253 \text{ remainder } 12$$

```

      253
29 | 7349
    58
    --
    154
    145
    ---
     99
     87
     --
     12 ← remainder

```

$$7349 \div 31 = 237 \text{ remainder } 2$$

```

      237
31 | 7349
    62
    --
    114
    93
    --
    219
    217
    ---
     2 ← remainder

```

$$7349 \div 37 = 198 \text{ remainder } 23$$

```

      198
37 | 7349
    37
    --

```

```

364
333
---
319
296
---
23 ← remainder

```

$$7349 \div 41 = 179 \text{ remainder } 10$$

```

      179
41 | 7349
    41
    --
    324
    287
    ---
    379
    369
    ---
    10 ← remainder

```

$$7349 \div 43 = 170 \text{ remainder } 39$$

```

      170
43 | 7349
    43
    --
    304
    301
    ---
    39
    0
    -
    39 ← remainder

```

$$7349 \div 47 = 156 \text{ remainder } 17$$

```

      156
47 | 7349
    47
    --
    264
    235

```

```

  ---
299
282
  ---
17 ← remainder

```

$$7349 \div 53 = 138 \text{ remainder } 35$$

```

  138
53 | 7349
   53
   --
  204
  159
   ---
   459
   424
   ---
   35 ← remainder

```

$$7349 \div 59 = 124 \text{ remainder } 33$$

```

  124
59 | 7349
   59
   --
  144
  118
   ---
  269
  236
   ---
   33 ← remainder

```

$$7349 \div 61 = 120 \text{ remainder } 29$$

```

  120
61 | 7349
   61
   --
  124
  122
   ---
   29

```

0
-
29 ← remainder

$$7349 \div 67 = 109 \text{ remainder } 46$$

109
67 | 7349
67
--
64
0
-
649
603

46 ← remainder

$$7349 \div 71 = 103 \text{ remainder } 36$$

103
71 | 7349
71
--
24
0
-
249
213

36 ← remainder

$$7349 \div 73 = 100 \text{ remainder } 49$$

100
73 | 7349
73
--
4
0
-
49
0

-
49 ← remainder

$$7349 \div 79 = 93 \text{ remainder } 2$$

93
79 | 7349
711

239
237

2 ← remainder

$$7349 \div 83 = 88 \text{ remainder } 45$$

88
83 | 7349
664

709
664

45 ← remainder

P₉₃₇ 7351

$$7351 \div 2 = 3675 \text{ remainder } 1$$

$$\begin{array}{r} 3675 \\ 2 \mid 7351 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 15 \\ \underline{14} \\ - \\ 11 \\ \underline{10} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7351 \div 3 = 2450 \text{ remainder } 1$$

$$\begin{array}{r} 2450 \\ 3 \mid 7351 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 15 \\ \underline{15} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7351 \div 5 = 1470 \text{ remainder } 1$$

$$\begin{array}{r} 1470 \\ 5 \mid 7351 \\ \underline{5} \\ - \end{array}$$

```

23
20
--
35
35
--
1
0
-
1 ← remainder

```

$$7351 \div 7 = 1050 \text{ remainder } 1$$

```

1050
7 | 7351
  7
  -
  3
  0
  -
  35
  35
  --
  1
  0
  -
  1 ← remainder

```

$$7351 \div 11 = 668 \text{ remainder } 3$$

```

668
11 | 7351
   66
   --
   75
   66
   --
   91
   88
   --
   3 ← remainder

```

$$7351 \div 13 = 565 \text{ remainder } 6$$

565
 13 | 7351
 65
 --
 85
 78
 --
 71
 65
 --
 6 ← remainder

$$7351 \div 17 = 432 \text{ remainder } 7$$

432
 17 | 7351
 68
 --
 55
 51
 --
 41
 34
 --
 7 ← remainder

$$7351 \div 19 = 386 \text{ remainder } 17$$

386
 19 | 7351
 57
 --
 165
 152

 131
 114

 17 ← remainder

$$7351 \div 23 = 319 \text{ remainder } 14$$

319
 23 | 7351

```

69
--
45
23
--
221
207
---
14 ← remainder

```

$$7351 \div 29 = 253 \text{ remainder } 14$$

```

253
29 | 7351
   58
   --
   155
   145
   ---
   101
   87
   --
   14 ← remainder

```

$$7351 \div 31 = 237 \text{ remainder } 4$$

```

237
31 | 7351
   62
   --
   115
   93
   --
   221
   217
   ---
   4 ← remainder

```

$$7351 \div 37 = 198 \text{ remainder } 25$$

```

198
37 | 7351
   37
   --

```

```

365
333
---
321
296
---
25 ← remainder

```

$$7351 \div 41 = 179 \text{ remainder } 12$$

```

      179
41 | 7351
    41
    --
    325
    287
    ---
    381
    369
    ---
    12 ← remainder

```

$$7351 \div 43 = 170 \text{ remainder } 41$$

```

      170
43 | 7351
    43
    --
    305
    301
    ---
    41
    0
    -
    41 ← remainder

```

$$7351 \div 47 = 156 \text{ remainder } 19$$

```

      156
47 | 7351
    47
    --
    265
    235

```

```

  ---
 301
 282
  ---
 19 ← remainder

```

$$7351 \div 53 = 138 \text{ remainder } 37$$

```

    138
53 | 7351
    53
   --
   205
   159
   ---
   461
   424
   ---
   37 ← remainder

```

$$7351 \div 59 = 124 \text{ remainder } 35$$

```

    124
59 | 7351
    59
   --
   145
   118
   ---
   271
   236
   ---
   35 ← remainder

```

$$7351 \div 61 = 120 \text{ remainder } 31$$

```

    120
61 | 7351
    61
   --
   125
   122
   ---
    31

```

0
-
31 ← remainder

$$7351 \div 67 = 109 \text{ remainder } 48$$

109
67 | 7351
67
--
65
0
-
651
603

48 ← remainder

$$7351 \div 71 = 103 \text{ remainder } 38$$

103
71 | 7351
71
--
25
0
-
251
213

38 ← remainder

$$7351 \div 73 = 100 \text{ remainder } 51$$

100
73 | 7351
73
--
5
0
-
51
0

-
51 \leftarrow remainder

$$7351 \div 79 = 93 \text{ remainder } 4$$

```
      93
79 | 7351
    711
    ---
    241
    237
    ---
      4  $\leftarrow$  remainder
```

$$7351 \div 83 = 88 \text{ remainder } 47$$

```
      88
83 | 7351
    664
    ---
    711
    664
    ---
     47  $\leftarrow$  remainder
```

P₉₃₈ 7369

$$7369 \div 2 = 3684 \text{ remainder } 1$$

$$\begin{array}{r} 3684 \\ 2 \mid 7369 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7369 \div 3 = 2456 \text{ remainder } 1$$

$$\begin{array}{r} 2456 \\ 3 \mid 7369 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - - \\ 16 \\ \underline{15} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7369 \div 5 = 1473 \text{ remainder } 4$$

$$\begin{array}{r} 1473 \\ 5 \mid 7369 \\ \underline{5} \\ - \end{array}$$

```

23
20
--
36
35
--
19
15
--
4 ← remainder

```

$$7369 \div 7 = 1052 \text{ remainder } 5$$

```

1052
7 | 7369
  7
  -
  3
  0
  -
  36
  35
  --
  19
  14
  --
  5 ← remainder

```

$$7369 \div 11 = 669 \text{ remainder } 10$$

```

669
11 | 7369
   66
   --
   76
   66
   --
  109
   99
   --
  10 ← remainder

```

$$7369 \div 13 = 566 \text{ remainder } 11$$


```

      566
13 | 7369
    65
    --
    86
    78
    --
    89
    78
    --
    11 ← remainder

```

$7369 \div 17 = 433 \text{ remainder } 8$

```

      433
17 | 7369
    68
    --
    56
    51
    --
    59
    51
    --
    8 ← remainder

```

$7369 \div 19 = 387 \text{ remainder } 16$

```

      387
19 | 7369
    57
    --
    166
    152
    ---
    149
    133
    ---
    16 ← remainder

```

$7369 \div 23 = 320 \text{ remainder } 9$

```

      320
23 | 7369

```

```

69
--
46
46
--
9
0
-
9 ← remainder

```

$$7369 \div 29 = 254 \text{ remainder } 3$$

```

      254
29 | 7369
    58
    --
    156
    145
    ---
    119
    116
    ---
    3 ← remainder

```

$$7369 \div 31 = 237 \text{ remainder } 22$$

```

      237
31 | 7369
    62
    --
    116
    93
    --
    239
    217
    ---
    22 ← remainder

```

$$7369 \div 37 = 199 \text{ remainder } 6$$

```

      199
37 | 7369
    37
    --

```

```

366
333
---
339
333
---
6 ← remainder

```

$$7369 \div 41 = 179 \text{ remainder } 30$$

```

      179
41 | 7369
    41
    --
    326
    287
    ---
    399
    369
    ---
    30 ← remainder

```

$$7369 \div 43 = 171 \text{ remainder } 16$$

```

      171
43 | 7369
    43
    --
    306
    301
    ---
    59
    43
    --
    16 ← remainder

```

$$7369 \div 47 = 156 \text{ remainder } 37$$

```

      156
47 | 7369
    47
    --
    266
    235

```

```

  ---
 319
 282
  ---
 37 ← remainder

```

$$7369 \div 53 = 139 \text{ remainder } 2$$

```

    139
53 | 7369
    53
   --
   206
   159
   ---
   479
   477
   ---
    2 ← remainder

```

$$7369 \div 59 = 124 \text{ remainder } 53$$

```

    124
59 | 7369
    59
   --
   146
   118
   ---
   289
   236
   ---
   53 ← remainder

```

$$7369 \div 61 = 120 \text{ remainder } 49$$

```

    120
61 | 7369
    61
   --
   126
   122
   ---
    49

```

0
-
49 ← remainder

$$7369 \div 67 = 109 \text{ remainder } 66$$

109
67 | 7369
67
--
66
0
-
669
603

66 ← remainder

$$7369 \div 71 = 103 \text{ remainder } 56$$

103
71 | 7369
71
--
26
0
-
269
213

56 ← remainder

$$7369 \div 73 = 100 \text{ remainder } 69$$

100
73 | 7369
73
--
6
0
-
69
0

-
69 ← remainder

$$7369 \div 79 = 93 \text{ remainder } 22$$

93
79 | 7369
711

259
237

22 ← remainder

$$7369 \div 83 = 88 \text{ remainder } 65$$

88
83 | 7369
664

729
664

65 ← remainder

P₉₃₉ 7393

$$7393 \div 2 = 3696 \text{ remainder } 1$$

$$\begin{array}{r} 3696 \\ 2 \mid 7393 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 19 \\ \underline{18} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7393 \div 3 = 2464 \text{ remainder } 1$$

$$\begin{array}{r} 2464 \\ 3 \mid 7393 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 19 \\ \underline{18} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7393 \div 5 = 1478 \text{ remainder } 3$$

$$\begin{array}{r} 1478 \\ 5 \mid 7393 \\ \underline{5} \\ - \end{array}$$

```

23
20
--
39
35
--
43
40
--
3 ← remainder

```

$$7393 \div 7 = 1056 \text{ remainder } 1$$

```

1056
7 | 7393
  7
  -
  3
  0
  -
  39
  35
  --
  43
  42
  --
  1 ← remainder

```

$$7393 \div 11 = 672 \text{ remainder } 1$$

```

672
11 | 7393
   66
   --
   79
   77
   --
   23
   22
   --
   1 ← remainder

```

$$7393 \div 13 = 568 \text{ remainder } 9$$


```

      568
13 | 7393
    65
    --
    89
    78
    --
    113
    104
    ---
    9 ← remainder

```

$$7393 \div 17 = 434 \text{ remainder } 15$$

```

      434
17 | 7393
    68
    --
    59
    51
    --
    83
    68
    --
    15 ← remainder

```

$$7393 \div 19 = 389 \text{ remainder } 2$$

```

      389
19 | 7393
    57
    --
    169
    152
    ---
    173
    171
    ---
    2 ← remainder

```

$$7393 \div 23 = 321 \text{ remainder } 10$$

```

      321
23 | 7393

```

```

69
--
49
46
--
33
23
--
10 ← remainder

```

$$7393 \div 29 = 254 \text{ remainder } 27$$

```

      254
29 | 7393
    58
    --
    159
    145
    ---
    143
    116
    ---
    27 ← remainder

```

$$7393 \div 31 = 238 \text{ remainder } 15$$

```

      238
31 | 7393
    62
    --
    119
    93
    --
    263
    248
    ---
    15 ← remainder

```

$$7393 \div 37 = 199 \text{ remainder } 30$$

```

      199
37 | 7393
    37
    --

```

```

369
333
---
363
333
---
30 ← remainder

```

$$7393 \div 41 = 180 \text{ remainder } 13$$

```

      180
41 | 7393
    41
    --
    329
    328
    ---
     13
     0
     -
    13 ← remainder

```

$$7393 \div 43 = 171 \text{ remainder } 40$$

```

      171
43 | 7393
    43
    --
    309
    301
    ---
     83
     43
     --
    40 ← remainder

```

$$7393 \div 47 = 157 \text{ remainder } 14$$

```

      157
47 | 7393
    47
    --
    269
    235

```

```

  ---
 343
 329
  ---
 14 ← remainder

```

$$7393 \div 53 = 139 \text{ remainder } 26$$

```

    139
53 | 7393
    53
   --
   209
   159
   ---
   503
   477
   ---
   26 ← remainder

```

$$7393 \div 59 = 125 \text{ remainder } 18$$

```

    125
59 | 7393
    59
   --
   149
   118
   ---
   313
   295
   ---
   18 ← remainder

```

$$7393 \div 61 = 121 \text{ remainder } 12$$

```

    121
61 | 7393
    61
   --
   129
   122
   ---
    73

```

61

--

12 ← remainder

$$7393 \div 67 = 110 \text{ remainder } 23$$

$$\begin{array}{r} 110 \\ 67 \overline{) 7393} \end{array}$$

67

--

69

67

--

23

0

-

23 ← remainder

$$7393 \div 71 = 104 \text{ remainder } 9$$

$$\begin{array}{r} 104 \\ 71 \overline{) 7393} \end{array}$$

71

--

29

0

-

293

284

9 ← remainder

$$7393 \div 73 = 101 \text{ remainder } 20$$

$$\begin{array}{r} 101 \\ 73 \overline{) 7393} \end{array}$$

73

--

9

0

-

93

73

--
20 ← remainder

$$7393 \div 79 = 93 \text{ remainder } 46$$

93
79 | 7393
711

283
237

46 ← remainder

$$7393 \div 83 = 89 \text{ remainder } 6$$

89
83 | 7393
664

753
747

6 ← remainder

P₉₄₀ 7411

$$7411 \div 2 = 3705 \text{ remainder } 1$$

$$\begin{array}{r} 3705 \\ 2 \mid 7411 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ -- \\ 1 \\ \underline{0} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7411 \div 3 = 2470 \text{ remainder } 1$$

$$\begin{array}{r} 2470 \\ 3 \mid 7411 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ -- \\ 21 \\ \underline{21} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7411 \div 5 = 1482 \text{ remainder } 1$$

$$\begin{array}{r} 1482 \\ 5 \mid 7411 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
41
40
--
11
10
--
1 ← remainder

```

$$7411 \div 7 = 1058 \text{ remainder } 5$$

```

1058
7 | 7411
  7
  -
  4
  0
  -
  41
  35
  --
  61
  56
  --
  5 ← remainder

```

$$7411 \div 11 = 673 \text{ remainder } 8$$

```

673
11 | 7411
   66
   --
   81
   77
   --
   41
   33
   --
   8 ← remainder

```

$$7411 \div 13 = 570 \text{ remainder } 1$$


```

      570
13 | 7411
    65
    --
    91
    91
    --
    1
    0
    -
    1 ← remainder

```

$7411 \div 17 = 435$ remainder 16

```

      435
17 | 7411
    68
    --
    61
    51
    --
    101
    85
    --
    16 ← remainder

```

$7411 \div 19 = 390$ remainder 1

```

      390
19 | 7411
    57
    --
    171
    171
    ---
    1
    0
    -
    1 ← remainder

```

$7411 \div 23 = 322$ remainder 5

```

      322
23 | 7411

```

```

69
--
51
46
--
51
46
--
5 ← remainder

```

$$7411 \div 29 = 255 \text{ remainder } 16$$

```

      255
29 | 7411
    58
    --
    161
    145
    ---
    161
    145
    ---
    16 ← remainder

```

$$7411 \div 31 = 239 \text{ remainder } 2$$

```

      239
31 | 7411
    62
    --
    121
    93
    --
    281
    279
    ---
    2 ← remainder

```

$$7411 \div 37 = 200 \text{ remainder } 11$$

```

      200
37 | 7411
    74
    --

```

```

1
0
-
11
0
-
11 ← remainder

```

$$7411 \div 41 = 180 \text{ remainder } 31$$

```

      180
41 | 7411
    41
    --
    331
    328
    ---
     31
     0
     -
    31 ← remainder

```

$$7411 \div 43 = 172 \text{ remainder } 15$$

```

      172
43 | 7411
    43
    --
    311
    301
    ---
    101
     86
     --
    15 ← remainder

```

$$7411 \div 47 = 157 \text{ remainder } 32$$

```

      157
47 | 7411
    47
    --
    271
    235

```

```

  ---
 361
 329
  ---
 32 ← remainder

```

$$7411 \div 53 = 139 \text{ remainder } 44$$

```

    139
53 | 7411
    53
    --
    211
    159
    ---
    521
    477
    ---
    44 ← remainder

```

$$7411 \div 59 = 125 \text{ remainder } 36$$

```

    125
59 | 7411
    59
    --
    151
    118
    ---
    331
    295
    ---
    36 ← remainder

```

$$7411 \div 61 = 121 \text{ remainder } 30$$

```

    121
61 | 7411
    61
    --
    131
    122
    ---
    91

```

61
 --
 30 ← remainder

$$7411 \div 67 = 110 \text{ remainder } 41$$

110
 67 | 7411
 67
 --
 71
 67
 --
 41
 0
 -
 41 ← remainder

$$7411 \div 71 = 104 \text{ remainder } 27$$

104
 71 | 7411
 71
 --
 31
 0
 -
 311
 284

 27 ← remainder

$$7411 \div 73 = 101 \text{ remainder } 38$$

101
 73 | 7411
 73
 --
 11
 0
 -
 111
 73

--
38 ← remainder

$$7411 \div 79 = 93 \text{ remainder } 64$$

93
79 | 7411
711

301
237

64 ← remainder

$$7411 \div 83 = 89 \text{ remainder } 24$$

89
83 | 7411
664

771
747

24 ← remainder

P₉₄₁ 7417

$$7417 \div 2 = 3708 \text{ remainder } 1$$

$$\begin{array}{r} 3708 \\ 2 \mid 7417 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ - - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7417 \div 3 = 2472 \text{ remainder } 1$$

$$\begin{array}{r} 2472 \\ 3 \mid 7417 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ - - \\ 21 \\ \underline{21} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7417 \div 5 = 1483 \text{ remainder } 2$$

$$\begin{array}{r} 1483 \\ 5 \mid 7417 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
41
40
--
17
15
--
2 ← remainder

```

$$7417 \div 7 = 1059 \text{ remainder } 4$$

```

1059
7 | 7417
  7
  -
  4
  0
  -
  41
  35
  --
  67
  63
  --
  4 ← remainder

```

$$7417 \div 11 = 674 \text{ remainder } 3$$

```

674
11 | 7417
   66
   --
   81
   77
   --
   47
   44
   --
   3 ← remainder

```

$$7417 \div 13 = 570 \text{ remainder } 7$$

$$\begin{array}{r}
 570 \\
 13 \mid 7417 \\
 \underline{65} \\
 91 \\
 \underline{91} \\
 0 \\
 7 \\
 \underline{0} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7417 \div 17 = 436 \text{ remainder } 5$$

$$\begin{array}{r}
 436 \\
 17 \mid 7417 \\
 \underline{68} \\
 61 \\
 \underline{51} \\
 107 \\
 \underline{102} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7417 \div 19 = 390 \text{ remainder } 7$$

$$\begin{array}{r}
 390 \\
 19 \mid 7417 \\
 \underline{57} \\
 171 \\
 \underline{171} \\
 0 \\
 7 \\
 \underline{0} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7417 \div 23 = 322 \text{ remainder } 11$$

$$\begin{array}{r}
 322 \\
 23 \mid 7417
 \end{array}$$

```

69
--
51
46
--
57
46
--
11 ← remainder

```

$$7417 \div 29 = 255 \text{ remainder } 22$$

```

      255
29 | 7417
    58
    --
    161
    145
    ---
    167
    145
    ---
    22 ← remainder

```

$$7417 \div 31 = 239 \text{ remainder } 8$$

```

      239
31 | 7417
    62
    --
    121
    93
    --
    287
    279
    ---
    8 ← remainder

```

$$7417 \div 37 = 200 \text{ remainder } 17$$

```

      200
37 | 7417
    74
    --

```

```

1
0
-
17
0
-
17 ← remainder

```

$$7417 \div 41 = 180 \text{ remainder } 37$$

```

      180
41 | 7417
    41
    --
    331
    328
    ---
     37
     0
     -
    37 ← remainder

```

$$7417 \div 43 = 172 \text{ remainder } 21$$

```

      172
43 | 7417
    43
    --
    311
    301
    ---
    107
     86
     --
    21 ← remainder

```

$$7417 \div 47 = 157 \text{ remainder } 38$$

```

      157
47 | 7417
    47
    --
    271
    235

```

```

  ---
 367
 329
  ---
 38 ← remainder

```

$$7417 \div 53 = 139 \text{ remainder } 50$$

```

    139
53 | 7417
    53
   --
   211
   159
   ---
   527
   477
   ---
   50 ← remainder

```

$$7417 \div 59 = 125 \text{ remainder } 42$$

```

    125
59 | 7417
    59
   --
   151
   118
   ---
   337
   295
   ---
   42 ← remainder

```

$$7417 \div 61 = 121 \text{ remainder } 36$$

```

    121
61 | 7417
    61
   --
   131
   122
   ---
    97

```

61

--

36 ← remainder

$$7417 \div 67 = 110 \text{ remainder } 47$$

$$\begin{array}{r} 110 \\ 67 \overline{) 7417} \end{array}$$

67

--

71

67

--

47

0

-

47 ← remainder

$$7417 \div 71 = 104 \text{ remainder } 33$$

$$\begin{array}{r} 104 \\ 71 \overline{) 7417} \end{array}$$

71

--

31

0

-

317

284

33 ← remainder

$$7417 \div 73 = 101 \text{ remainder } 44$$

$$\begin{array}{r} 101 \\ 73 \overline{) 7417} \end{array}$$

73

--

11

0

-

117

73

--
44 ← remainder

$$7417 \div 79 = 93 \text{ remainder } 70$$

93
79 | 7417
711

307
237

70 ← remainder

$$7417 \div 83 = 89 \text{ remainder } 30$$

89
83 | 7417
664

777
747

30 ← remainder

P₉₄₂ 7433

$$7433 \div 2 = 3716 \text{ remainder } 1$$

$$\begin{array}{r} 3716 \\ 2 \mid 7433 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ -- \\ 3 \\ \underline{2} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7433 \div 3 = 2477 \text{ remainder } 2$$

$$\begin{array}{r} 2477 \\ 3 \mid 7433 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7433 \div 5 = 1486 \text{ remainder } 3$$

$$\begin{array}{r} 1486 \\ 5 \mid 7433 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
43
40
--
33
30
--
3 ← remainder

```

$$7433 \div 7 = 1061 \text{ remainder } 6$$

```

1061
7 | 7433
  7
  -
  4
  0
  -
  43
  42
  --
  13
  7
  -
  6 ← remainder

```

$$7433 \div 11 = 675 \text{ remainder } 8$$

```

675
11 | 7433
   66
   --
   83
   77
   --
   63
   55
   --
   8 ← remainder

```

$$7433 \div 13 = 571 \text{ remainder } 10$$


```

      571
13 | 7433
    65
    --
    93
    91
    --
    23
    13
    --
    10 ← remainder

```

$7433 \div 17 = 437 \text{ remainder } 4$

```

      437
17 | 7433
    68
    --
    63
    51
    --
    123
    119
    ---
    4 ← remainder

```

$7433 \div 19 = 391 \text{ remainder } 4$

```

      391
19 | 7433
    57
    --
    173
    171
    ---
    23
    19
    --
    4 ← remainder

```

$7433 \div 23 = 323 \text{ remainder } 4$

```

      323
23 | 7433

```

```

69
--
53
46
--
73
69
--
4 ← remainder

```

$$7433 \div 29 = 256 \text{ remainder } 9$$

```

      256
29 | 7433
    58
    --
    163
    145
    ---
    183
    174
    ---
    9 ← remainder

```

$$7433 \div 31 = 239 \text{ remainder } 24$$

```

      239
31 | 7433
    62
    --
    123
    93
    --
    303
    279
    ---
    24 ← remainder

```

$$7433 \div 37 = 200 \text{ remainder } 33$$

```

      200
37 | 7433
    74
    --

```

```

  3
  0
  -
 33
  0
  -
 33 ← remainder

```

$$7433 \div 41 = 181 \text{ remainder } 12$$

```

   181
41 | 7433
   41
   --
  333
  328
  ---
   53
   41
   --
   12 ← remainder

```

$$7433 \div 43 = 172 \text{ remainder } 37$$

```

   172
43 | 7433
   43
   --
  313
  301
  ---
   123
   86
   --
   37 ← remainder

```

$$7433 \div 47 = 158 \text{ remainder } 7$$

```

   158
47 | 7433
   47
   --
  273
  235

```

```

---
383
376
---
7 ← remainder

```

$$7433 \div 53 = 140 \text{ remainder } 13$$

```

140
53 | 7433
   53
   --
   213
   212
   ---
    13
    0
    -
    13 ← remainder

```

$$7433 \div 59 = 125 \text{ remainder } 58$$

```

125
59 | 7433
   59
   --
   153
   118
   ---
   353
   295
   ---
   58 ← remainder

```

$$7433 \div 61 = 121 \text{ remainder } 52$$

```

121
61 | 7433
   61
   --
   133
   122
   ---
   113

```

61

--

52 ← remainder

$$7433 \div 67 = 110 \text{ remainder } 63$$

$$\begin{array}{r} 110 \\ 67 \overline{) 7433} \end{array}$$

67

--

73

67

--

63

0

-

63 ← remainder

$$7433 \div 71 = 104 \text{ remainder } 49$$

$$\begin{array}{r} 104 \\ 71 \overline{) 7433} \end{array}$$

71

--

33

0

-

333

284

49 ← remainder

$$7433 \div 73 = 101 \text{ remainder } 60$$

$$\begin{array}{r} 101 \\ 73 \overline{) 7433} \end{array}$$

73

--

13

0

-

133

73

--
60 ← remainder

$$7433 \div 79 = 94 \text{ remainder } 7$$

94
79 | 7433
711

323
316

7 ← remainder

$$7433 \div 83 = 89 \text{ remainder } 46$$

89
83 | 7433
664

793
747

46 ← remainder

P₉₄₃ 7451

$$7451 \div 2 = 3725 \text{ remainder } 1$$

$$\begin{array}{r} 3725 \\ 2 \mid 7451 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ -- \\ 5 \\ \underline{4} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7451 \div 3 = 2483 \text{ remainder } 2$$

$$\begin{array}{r} 2483 \\ 3 \mid 7451 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7451 \div 5 = 1490 \text{ remainder } 1$$

$$\begin{array}{r} 1490 \\ 5 \mid 7451 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
45
45
--
1
0
-
1 ← remainder

```

$$7451 \div 7 = 1064 \text{ remainder } 3$$

```

1064
7 | 7451
  7
  -
  4
  0
  -
  45
  42
  --
  31
  28
  --
  3 ← remainder

```

$$7451 \div 11 = 677 \text{ remainder } 4$$

```

677
11 | 7451
   66
   --
   85
   77
   --
   81
   77
   --
   4 ← remainder

```

$$7451 \div 13 = 573 \text{ remainder } 2$$


```

      573
13 | 7451
    65
    --
    95
    91
    --
    41
    39
    --
    2 ← remainder

```

$$7451 \div 17 = 438 \text{ remainder } 5$$

```

      438
17 | 7451
    68
    --
    65
    51
    --
    141
    136
    ---
    5 ← remainder

```

$$7451 \div 19 = 392 \text{ remainder } 3$$

```

      392
19 | 7451
    57
    --
    175
    171
    ---
    41
    38
    --
    3 ← remainder

```

$$7451 \div 23 = 323 \text{ remainder } 22$$

```

      323
23 | 7451

```

```

69
--
55
46
--
91
69
--
22 ← remainder

```

$$7451 \div 29 = 256 \text{ remainder } 27$$

```

      256
29 | 7451
    58
    --
    165
    145
    ---
    201
    174
    ---
    27 ← remainder

```

$$7451 \div 31 = 240 \text{ remainder } 11$$

```

      240
31 | 7451
    62
    --
    125
    124
    ---
     11
     0
     -
     11 ← remainder

```

$$7451 \div 37 = 201 \text{ remainder } 14$$

```

      201
37 | 7451
    74
    --

```

```

5
0
-
51
37
--
14 ← remainder

```

$$7451 \div 41 = 181 \text{ remainder } 30$$

```

      181
41 | 7451
    41
    --
   335
   328
   ---
    71
    41
    --
    30 ← remainder

```

$$7451 \div 43 = 173 \text{ remainder } 12$$

```

      173
43 | 7451
    43
    --
   315
   301
   ---
    141
    129
    ---
    12 ← remainder

```

$$7451 \div 47 = 158 \text{ remainder } 25$$

```

      158
47 | 7451
    47
    --
   275
   235

```

```

  ---
401
376
  ---
25 ← remainder

```

$$7451 \div 53 = 140 \text{ remainder } 31$$

```

  140
53 | 7451
   53
   --
  215
  212
   ---
   31
   0
   -
  31 ← remainder

```

$$7451 \div 59 = 126 \text{ remainder } 17$$

```

  126
59 | 7451
   59
   --
  155
  118
   ---
  371
  354
   ---
  17 ← remainder

```

$$7451 \div 61 = 122 \text{ remainder } 9$$

```

  122
61 | 7451
   61
   --
  135
  122
   ---
  131

```

122

9 ← remainder

$$7451 \div 67 = 111 \text{ remainder } 14$$

111
67 | 7451

67

--

75

67

--

81

67

--

14 ← remainder

$$7451 \div 71 = 104 \text{ remainder } 67$$

104
71 | 7451

71

--

35

0

-

351

284

67 ← remainder

$$7451 \div 73 = 102 \text{ remainder } 5$$

102
73 | 7451

73

--

15

0

-

151

146

5 ← remainder

$$7451 \div 79 = 94 \text{ remainder } 25$$

94
79 | 7451
711

341
316

25 ← remainder

$$7451 \div 83 = 89 \text{ remainder } 64$$

89
83 | 7451
664

811
747

64 ← remainder

P₉₄₄ 7457

$$7457 \div 2 = 3728 \text{ remainder } 1$$

$$\begin{array}{r} 3728 \\ 2 \mid 7457 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ -- \\ 5 \\ \underline{4} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7457 \div 3 = 2485 \text{ remainder } 2$$

$$\begin{array}{r} 2485 \\ 3 \mid 7457 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7457 \div 5 = 1491 \text{ remainder } 2$$

$$\begin{array}{r} 1491 \\ 5 \mid 7457 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
45
45
--
7
5
-
2 ← remainder

```

$$7457 \div 7 = 1065 \text{ remainder } 2$$

```

1065
7 | 7457
  7
  -
  4
  0
  -
  45
  42
  --
  37
  35
  --
  2 ← remainder

```

$$7457 \div 11 = 677 \text{ remainder } 10$$

```

677
11 | 7457
   66
   --
   85
   77
   --
   87
   77
   --
  10 ← remainder

```

$$7457 \div 13 = 573 \text{ remainder } 8$$


```

      573
13 | 7457
    65
    --
    95
    91
    --
    47
    39
    --
      8 ← remainder

```

$7457 \div 17 = 438 \text{ remainder } 11$

```

      438
17 | 7457
    68
    --
    65
    51
    --
    147
    136
    ---
      11 ← remainder

```

$7457 \div 19 = 392 \text{ remainder } 9$

```

      392
19 | 7457
    57
    --
    175
    171
    ---
     47
     38
     --
      9 ← remainder

```

$7457 \div 23 = 324 \text{ remainder } 5$

```

      324
23 | 7457

```

```

69
--
55
46
--
97
92
--
5 ← remainder

```

$$7457 \div 29 = 257 \text{ remainder } 4$$

```

      257
29 | 7457
    58
    --
    165
    145
    ---
    207
    203
    ---
    4 ← remainder

```

$$7457 \div 31 = 240 \text{ remainder } 17$$

```

      240
31 | 7457
    62
    --
    125
    124
    ---
    17
    0
    -
    17 ← remainder

```

$$7457 \div 37 = 201 \text{ remainder } 20$$

```

      201
37 | 7457
    74
    --

```

```

5
0
-
57
37
--
20 ← remainder

```

$$7457 \div 41 = 181 \text{ remainder } 36$$

```

      181
41 | 7457
    41
    --
   335
   328
   ---
    77
    41
    --
    36 ← remainder

```

$$7457 \div 43 = 173 \text{ remainder } 18$$

```

      173
43 | 7457
    43
    --
   315
   301
   ---
    147
    129
    ---
    18 ← remainder

```

$$7457 \div 47 = 158 \text{ remainder } 31$$

```

      158
47 | 7457
    47
    --
   275
   235

```

```

  ---
407
376
  ---
31 ← remainder

```

$$7457 \div 53 = 140 \text{ remainder } 37$$

```

    140
53 | 7457
    53
    --
    215
    212
    ---
     37
     0
     -
    37 ← remainder

```

$$7457 \div 59 = 126 \text{ remainder } 23$$

```

    126
59 | 7457
    59
    --
    155
    118
    ---
    377
    354
    ---
    23 ← remainder

```

$$7457 \div 61 = 122 \text{ remainder } 15$$

```

    122
61 | 7457
    61
    --
    135
    122
    ---
    137

```

122

15 ← remainder

$$7457 \div 67 = 111 \text{ remainder } 20$$

111

67 | 7457

67

--

75

67

--

87

67

--

20 ← remainder

$$7457 \div 71 = 105 \text{ remainder } 2$$

105

71 | 7457

71

--

35

0

-

357

355

2 ← remainder

$$7457 \div 73 = 102 \text{ remainder } 11$$

102

73 | 7457

73

--

15

0

-

157

146

11 ← remainder

$$7457 \div 79 = 94 \text{ remainder } 31$$

94

79 | 7457

711

347

316

31 ← remainder

$$7457 \div 83 = 89 \text{ remainder } 70$$

89

83 | 7457

664

817

747

70 ← remainder

P₉₄₅ 7459

$$7459 \div 2 = 3729 \text{ remainder } 1$$

$$\begin{array}{r} 3729 \\ 2 \mid 7459 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ -- \\ 5 \\ \underline{4} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7459 \div 3 = 2486 \text{ remainder } 1$$

$$\begin{array}{r} 2486 \\ 3 \mid 7459 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7459 \div 5 = 1491 \text{ remainder } 4$$

$$\begin{array}{r} 1491 \\ 5 \mid 7459 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
45
45
--
9
5
-
4 ← remainder

```

$$7459 \div 7 = 1065 \text{ remainder } 4$$

```

1065
7 | 7459
  7
  -
  4
  0
  -
  45
  42
  --
  39
  35
  --
  4 ← remainder

```

$$7459 \div 11 = 678 \text{ remainder } 1$$

```

678
11 | 7459
   66
   --
   85
   77
   --
   89
   88
   --
   1 ← remainder

```

$$7459 \div 13 = 573 \text{ remainder } 10$$


```

      573
13 | 7459
    65
    --
    95
    91
    --
    49
    39
    --
    10 ← remainder

```

$7459 \div 17 = 438 \text{ remainder } 13$

```

      438
17 | 7459
    68
    --
    65
    51
    --
    149
    136
    ---
    13 ← remainder

```

$7459 \div 19 = 392 \text{ remainder } 11$

```

      392
19 | 7459
    57
    --
    175
    171
    ---
    49
    38
    --
    11 ← remainder

```

$7459 \div 23 = 324 \text{ remainder } 7$

```

      324
23 | 7459

```

```

69
--
55
46
--
99
92
--
7 ← remainder

```

$$7459 \div 29 = 257 \text{ remainder } 6$$

```

      257
29 | 7459
    58
    --
    165
    145
    ---
    209
    203
    ---
    6 ← remainder

```

$$7459 \div 31 = 240 \text{ remainder } 19$$

```

      240
31 | 7459
    62
    --
    125
    124
    ---
    19
    0
    -
    19 ← remainder

```

$$7459 \div 37 = 201 \text{ remainder } 22$$

```

      201
37 | 7459
    74
    --

```

```

5
0
-
59
37
--
22 ← remainder

```

$$7459 \div 41 = 181 \text{ remainder } 38$$

```

      181
41 | 7459
    41
    --
   335
   328
   ---
    79
    41
    --
    38 ← remainder

```

$$7459 \div 43 = 173 \text{ remainder } 20$$

```

      173
43 | 7459
    43
    --
   315
   301
   ---
    149
    129
    ---
    20 ← remainder

```

$$7459 \div 47 = 158 \text{ remainder } 33$$

```

      158
47 | 7459
    47
    --
   275
   235

```

```

  ---
409
376
  ---
33 ← remainder

```

$$7459 \div 53 = 140 \text{ remainder } 39$$

```

  140
53 | 7459
   53
   --
  215
  212
   ---
   39
   0
   -
  39 ← remainder

```

$$7459 \div 59 = 126 \text{ remainder } 25$$

```

  126
59 | 7459
   59
   --
  155
  118
   ---
  379
  354
   ---
  25 ← remainder

```

$$7459 \div 61 = 122 \text{ remainder } 17$$

```

  122
61 | 7459
   61
   --
  135
  122
   ---
  139

```

122

17 ← remainder

$$7459 \div 67 = 111 \text{ remainder } 22$$

111

67 | 7459

67

--

75

67

--

89

67

--

22 ← remainder

$$7459 \div 71 = 105 \text{ remainder } 4$$

105

71 | 7459

71

--

35

0

-

359

355

4 ← remainder

$$7459 \div 73 = 102 \text{ remainder } 13$$

102

73 | 7459

73

--

15

0

-

159

146

13 ← remainder

$$7459 \div 79 = 94 \text{ remainder } 33$$

94

79 | 7459

711

349

316

33 ← remainder

$$7459 \div 83 = 89 \text{ remainder } 72$$

89

83 | 7459

664

819

747

72 ← remainder

P₉₄₆ 7477

$$7477 \div 2 = 3738 \text{ remainder } 1$$

$$\begin{array}{r} 3738 \\ 2 \mid 7477 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7477 \div 3 = 2492 \text{ remainder } 1$$

$$\begin{array}{r} 2492 \\ 3 \mid 7477 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ -- \\ 27 \\ \underline{27} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7477 \div 5 = 1495 \text{ remainder } 2$$

$$\begin{array}{r} 1495 \\ 5 \mid 7477 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
47
45
--
27
25
--
2 ← remainder

```

$$7477 \div 7 = 1068 \text{ remainder } 1$$

```

1068
7 | 7477
  7
  -
  4
  0
  -
  47
  42
  --
  57
  56
  --
  1 ← remainder

```

$$7477 \div 11 = 679 \text{ remainder } 8$$

```

679
11 | 7477
   66
   --
   87
   77
   --
  107
   99
   --
   8 ← remainder

```

$$7477 \div 13 = 575 \text{ remainder } 2$$


```

      575
13 | 7477
    65
    --
    97
    91
    --
    67
    65
    --
    2 ← remainder

```

$7477 \div 17 = 439$ remainder 14

```

      439
17 | 7477
    68
    --
    67
    51
    --
    167
    153
    ---
    14 ← remainder

```

$7477 \div 19 = 393$ remainder 10

```

      393
19 | 7477
    57
    --
    177
    171
    ---
    67
    57
    --
    10 ← remainder

```

$7477 \div 23 = 325$ remainder 2

```

      325
23 | 7477

```

```

69
--
57
46
--
117
115
---
2 ← remainder

```

$$7477 \div 29 = 257 \text{ remainder } 24$$

```

      257
29 | 7477
    58
    --
    167
    145
    ---
    227
    203
    ---
    24 ← remainder

```

$$7477 \div 31 = 241 \text{ remainder } 6$$

```

      241
31 | 7477
    62
    --
    127
    124
    ---
    37
    31
    --
    6 ← remainder

```

$$7477 \div 37 = 202 \text{ remainder } 3$$

```

      202
37 | 7477
    74
    --

```

```

7
0
-
77
74
--
3 ← remainder

```

$$7477 \div 41 = 182 \text{ remainder } 15$$

```

      182
41 | 7477
    41
    --
    337
    328
    ---
     97
     82
     --
    15 ← remainder

```

$$7477 \div 43 = 173 \text{ remainder } 38$$

```

      173
43 | 7477
    43
    --
    317
    301
    ---
    167
    129
    ---
    38 ← remainder

```

$$7477 \div 47 = 159 \text{ remainder } 4$$

```

      159
47 | 7477
    47
    --
    277
    235

```

```

  ---
427
423
  ---
4 ← remainder

```

$$7477 \div 53 = 141 \text{ remainder } 4$$

```

    141
53 | 7477
    53
    --
    217
    212
    ---
     57
     53
     --
     4 ← remainder

```

$$7477 \div 59 = 126 \text{ remainder } 43$$

```

    126
59 | 7477
    59
    --
    157
    118
    ---
    397
    354
    ---
    43 ← remainder

```

$$7477 \div 61 = 122 \text{ remainder } 35$$

```

    122
61 | 7477
    61
    --
    137
    122
    ---
    157

```

122

35 ← remainder

$$7477 \div 67 = 111 \text{ remainder } 40$$

111
67 | 7477

67

--

77

67

--

107

67

--

40 ← remainder

$$7477 \div 71 = 105 \text{ remainder } 22$$

105
71 | 7477

71

--

37

0

-

377

355

22 ← remainder

$$7477 \div 73 = 102 \text{ remainder } 31$$

102
73 | 7477

73

--

17

0

-

177

146

31 ← remainder

$$7477 \div 79 = 94 \text{ remainder } 51$$

94
79 | 7477
711

367
316

51 ← remainder

$$7477 \div 83 = 90 \text{ remainder } 7$$

90
83 | 7477
747

7
0
-
7 ← remainder

P₉₄₇ 7481

$$7481 \div 2 = 3740 \text{ remainder } 1$$

$$\begin{array}{r} 3740 \\ 2 \mid 7481 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ - - \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7481 \div 3 = 2493 \text{ remainder } 2$$

$$\begin{array}{r} 2493 \\ 3 \mid 7481 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7481 \div 5 = 1496 \text{ remainder } 1$$

$$\begin{array}{r} 1496 \\ 5 \mid 7481 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
48
45
--
31
30
--
1 ← remainder

```

$$7481 \div 7 = 1068 \text{ remainder } 5$$

```

1068
7 | 7481
  7
  -
  4
  0
  -
  48
  42
  --
  61
  56
  --
  5 ← remainder

```

$$7481 \div 11 = 680 \text{ remainder } 1$$

```

680
11 | 7481
   66
   --
   88
   88
   --
   1
   0
   -
   1 ← remainder

```

$$7481 \div 13 = 575 \text{ remainder } 6$$


```

      575
13 | 7481
    65
    --
    98
    91
    --
    71
    65
    --
    6 ← remainder

```

$7481 \div 17 = 440 \text{ remainder } 1$

```

      440
17 | 7481
    68
    --
    68
    68
    --
    1
    0
    -
    1 ← remainder

```

$7481 \div 19 = 393 \text{ remainder } 14$

```

      393
19 | 7481
    57
    --
    178
    171
    ---
    71
    57
    --
    14 ← remainder

```

$7481 \div 23 = 325 \text{ remainder } 6$

```

      325
23 | 7481

```

```

69
--
58
46
--
121
115
---
6 ← remainder

```

$$7481 \div 29 = 257 \text{ remainder } 28$$

```

257
29 | 7481
   58
   --
   168
   145
   ---
   231
   203
   ---
   28 ← remainder

```

$$7481 \div 31 = 241 \text{ remainder } 10$$

```

241
31 | 7481
   62
   --
   128
   124
   ---
   41
   31
   --
   10 ← remainder

```

$$7481 \div 37 = 202 \text{ remainder } 7$$

```

202
37 | 7481
   74
   --

```

```

8
0
-
81
74
--
7 ← remainder

```

$$7481 \div 41 = 182 \text{ remainder } 19$$

```

182
41 | 7481
   41
   --
   338
   328
   ---
   101
   82
   --
   19 ← remainder

```

$$7481 \div 43 = 173 \text{ remainder } 42$$

```

173
43 | 7481
   43
   --
   318
   301
   ---
   171
   129
   ---
   42 ← remainder

```

$$7481 \div 47 = 159 \text{ remainder } 8$$

```

159
47 | 7481
   47
   --
   278
   235

```

```

  ---
431
423
  ---
8 ← remainder

```

$$7481 \div 53 = 141 \text{ remainder } 8$$

```

  141
53 | 7481
   53
   --
   218
   212
   ---
    61
    53
    --
    8 ← remainder

```

$$7481 \div 59 = 126 \text{ remainder } 47$$

```

  126
59 | 7481
   59
   --
   158
   118
   ---
   401
   354
   ---
   47 ← remainder

```

$$7481 \div 61 = 122 \text{ remainder } 39$$

```

  122
61 | 7481
   61
   --
   138
   122
   ---
   161

```

122

 39 ← remainder

$$7481 \div 67 = 111 \text{ remainder } 44$$

111
 67 | 7481
 67
 --
 78
 67
 --
 111
 67
 --
 44 ← remainder

$$7481 \div 71 = 105 \text{ remainder } 26$$

105
 71 | 7481
 71
 --
 38
 0
 -
 381
 355

 26 ← remainder

$$7481 \div 73 = 102 \text{ remainder } 35$$

102
 73 | 7481
 73
 --
 18
 0
 -
 181
 146

35 ← remainder

$$7481 \div 79 = 94 \text{ remainder } 55$$

94
79 | 7481
711

371
316

55 ← remainder

$$7481 \div 83 = 90 \text{ remainder } 11$$

90
83 | 7481
747

11
0
-
11 ← remainder

P₉₄₈ 7487

$$7487 \div 2 = 3743 \text{ remainder } 1$$

$$\begin{array}{r} 3743 \\ 2 \mid 7487 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ -- \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7487 \div 3 = 2495 \text{ remainder } 2$$

$$\begin{array}{r} 2495 \\ 3 \mid 7487 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7487 \div 5 = 1497 \text{ remainder } 2$$

$$\begin{array}{r} 1497 \\ 5 \mid 7487 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
48
45
--
37
35
--
2 ← remainder

```

$$7487 \div 7 = 1069 \text{ remainder } 4$$

```

1069
7 | 7487
  7
  -
  4
  0
  -
  48
  42
  --
  67
  63
  --
  4 ← remainder

```

$$7487 \div 11 = 680 \text{ remainder } 7$$

```

680
11 | 7487
   66
   --
   88
   88
   --
   7
   0
   -
   7 ← remainder

```

$$7487 \div 13 = 575 \text{ remainder } 12$$

$$\begin{array}{r}
 575 \\
 13 \mid 7487 \\
 \underline{65} \\
 -- \\
 98 \\
 \underline{91} \\
 -- \\
 77 \\
 \underline{65} \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$7487 \div 17 = 440 \text{ remainder } 7$$

$$\begin{array}{r}
 440 \\
 17 \mid 7487 \\
 \underline{68} \\
 -- \\
 68 \\
 \underline{68} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7487 \div 19 = 394 \text{ remainder } 1$$

$$\begin{array}{r}
 394 \\
 19 \mid 7487 \\
 \underline{57} \\
 -- \\
 178 \\
 \underline{171} \\
 --- \\
 77 \\
 \underline{76} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7487 \div 23 = 325 \text{ remainder } 12$$

$$\begin{array}{r}
 325 \\
 23 \mid 7487
 \end{array}$$

```

69
--
58
46
--
127
115
---
12 ← remainder

```

$$7487 \div 29 = 258 \text{ remainder } 5$$

```

      258
29 | 7487
    58
    --
    168
    145
    ---
    237
    232
    ---
    5 ← remainder

```

$$7487 \div 31 = 241 \text{ remainder } 16$$

```

      241
31 | 7487
    62
    --
    128
    124
    ---
    47
    31
    --
    16 ← remainder

```

$$7487 \div 37 = 202 \text{ remainder } 13$$

```

      202
37 | 7487
    74
    --

```

```

8
0
-
87
74
--
13 ← remainder

```

$$7487 \div 41 = 182 \text{ remainder } 25$$

```

      182
41 | 7487
    41
    --
   338
   328
   ---
   107
   82
   --
   25 ← remainder

```

$$7487 \div 43 = 174 \text{ remainder } 5$$

```

      174
43 | 7487
    43
    --
   318
   301
   ---
   177
   172
   ---
    5 ← remainder

```

$$7487 \div 47 = 159 \text{ remainder } 14$$

```

      159
47 | 7487
    47
    --
   278
   235

```

```

  ---
437
423
  ---
14 ← remainder

```

$$7487 \div 53 = 141 \text{ remainder } 14$$

```

  141
53 | 7487
   53
   --
   218
   212
   ---
    67
    53
    --
    14 ← remainder

```

$$7487 \div 59 = 126 \text{ remainder } 53$$

```

  126
59 | 7487
   59
   --
   158
   118
   ---
   407
   354
   ---
    53 ← remainder

```

$$7487 \div 61 = 122 \text{ remainder } 45$$

```

  122
61 | 7487
   61
   --
   138
   122
   ---
    167

```

122

 45 ← remainder

$$7487 \div 67 = 111 \text{ remainder } 50$$

111
 67 | 7487
 67
 --
 78
 67
 --
 117
 67
 --
 50 ← remainder

$$7487 \div 71 = 105 \text{ remainder } 32$$

105
 71 | 7487
 71
 --
 38
 0
 -
 387
 355

 32 ← remainder

$$7487 \div 73 = 102 \text{ remainder } 41$$

102
 73 | 7487
 73
 --
 18
 0
 -
 187
 146

41 ← remainder

$$7487 \div 79 = 94 \text{ remainder } 61$$

94
79 | 7487
711

377
316

61 ← remainder

$$7487 \div 83 = 90 \text{ remainder } 17$$

90
83 | 7487
747

17
0
-
17 ← remainder

P₉₄₉ 7489

$$7489 \div 2 = 3744 \text{ remainder } 1$$

$$\begin{array}{r} 3744 \\ 2 \mid 7489 \\ \underline{6} \\ - \\ 14 \\ \underline{14} \\ -- \\ 8 \\ \underline{8} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7489 \div 3 = 2496 \text{ remainder } 1$$

$$\begin{array}{r} 2496 \\ 3 \mid 7489 \\ \underline{6} \\ - \\ 14 \\ \underline{12} \\ -- \\ 28 \\ \underline{27} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7489 \div 5 = 1497 \text{ remainder } 4$$

$$\begin{array}{r} 1497 \\ 5 \mid 7489 \\ \underline{5} \\ - \end{array}$$

```

24
20
--
48
45
--
39
35
--
4 ← remainder

```

$$7489 \div 7 = 1069 \text{ remainder } 6$$

```

1069
7 | 7489
  7
  -
  4
  0
  -
  48
  42
  --
  69
  63
  --
  6 ← remainder

```

$$7489 \div 11 = 680 \text{ remainder } 9$$

```

680
11 | 7489
   66
   --
   88
   88
   --
   9
   0
   -
   9 ← remainder

```

$$7489 \div 13 = 576 \text{ remainder } 1$$


```

      576
13 | 7489
    65
    --
    98
    91
    --
    79
    78
    --
    1 ← remainder

```

$7489 \div 17 = 440 \text{ remainder } 9$

```

      440
17 | 7489
    68
    --
    68
    68
    --
    9
    0
    -
    9 ← remainder

```

$7489 \div 19 = 394 \text{ remainder } 3$

```

      394
19 | 7489
    57
    --
    178
    171
    ---
    79
    76
    --
    3 ← remainder

```

$7489 \div 23 = 325 \text{ remainder } 14$

```

      325
23 | 7489

```

```

69
--
58
46
--
129
115
---
14 ← remainder

```

$$7489 \div 29 = 258 \text{ remainder } 7$$

```

      258
29 | 7489
    58
    --
    168
    145
    ---
    239
    232
    ---
    7 ← remainder

```

$$7489 \div 31 = 241 \text{ remainder } 18$$

```

      241
31 | 7489
    62
    --
    128
    124
    ---
    49
    31
    --
    18 ← remainder

```

$$7489 \div 37 = 202 \text{ remainder } 15$$

```

      202
37 | 7489
    74
    --

```

```

8
0
-
89
74
--
15 ← remainder

```

$$7489 \div 41 = 182 \text{ remainder } 27$$

```

182
41 | 7489
   41
   --
   338
   328
   ---
   109
   82
   --
   27 ← remainder

```

$$7489 \div 43 = 174 \text{ remainder } 7$$

```

174
43 | 7489
   43
   --
   318
   301
   ---
   179
   172
   ---
   7 ← remainder

```

$$7489 \div 47 = 159 \text{ remainder } 16$$

```

159
47 | 7489
   47
   --
   278
   235

```

```

  ---
439
423
  ---
16 ← remainder

```

$$7489 \div 53 = 141 \text{ remainder } 16$$

```

  141
53 | 7489
   53
   --
  218
  212
   ---
   69
   53
   --
  16 ← remainder

```

$$7489 \div 59 = 126 \text{ remainder } 55$$

```

  126
59 | 7489
   59
   --
  158
  118
   ---
  409
  354
   ---
  55 ← remainder

```

$$7489 \div 61 = 122 \text{ remainder } 47$$

```

  122
61 | 7489
   61
   --
  138
  122
   ---
  169

```

122

 47 ← remainder

$$7489 \div 67 = 111 \text{ remainder } 52$$

111
 67 | 7489
 67
 --
 78
 67
 --
 119
 67
 --
 52 ← remainder

$$7489 \div 71 = 105 \text{ remainder } 34$$

105
 71 | 7489
 71
 --
 38
 0
 -
 389
 355

 34 ← remainder

$$7489 \div 73 = 102 \text{ remainder } 43$$

102
 73 | 7489
 73
 --
 18
 0
 -
 189
 146

43 ← remainder

$$7489 \div 79 = 94 \text{ remainder } 63$$

94
79 | 7489
711

379
316

63 ← remainder

$$7489 \div 83 = 90 \text{ remainder } 19$$

90
83 | 7489
747

19
0
-
19 ← remainder

P₉₅₀ 7499

$$7499 \div 2 = 3749 \text{ remainder } 1$$

$$\begin{array}{r} 3749 \\ 2 \mid 7499 \\ 6 \\ - \\ 14 \\ 14 \\ - - \\ 9 \\ 8 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7499 \div 3 = 2499 \text{ remainder } 2$$

$$\begin{array}{r} 2499 \\ 3 \mid 7499 \\ 6 \\ - \\ 14 \\ 12 \\ - - \\ 29 \\ 27 \\ - - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7499 \div 5 = 1499 \text{ remainder } 4$$

$$\begin{array}{r} 1499 \\ 5 \mid 7499 \\ 5 \\ - \end{array}$$

```

24
20
--
49
45
--
49
45
--
4 ← remainder

```

$$7499 \div 7 = 1071 \text{ remainder } 2$$

```

1071
7 | 7499
  7
  -
  4
  0
  -
  49
  49
  --
   9
   7
   -
   2 ← remainder

```

$$7499 \div 11 = 681 \text{ remainder } 8$$

```

681
11 | 7499
   66
   --
   89
   88
   --
   19
   11
   --
   8 ← remainder

```

$$7499 \div 13 = 576 \text{ remainder } 11$$

576
 13 | 7499
 65
 --
 99
 91
 --
 89
 78
 --
 11 ← remainder

$7499 \div 17 = 441 \text{ remainder } 2$

441
 17 | 7499
 68
 --
 69
 68
 --
 19
 17
 --
 2 ← remainder

$7499 \div 19 = 394 \text{ remainder } 13$

394
 19 | 7499
 57
 --
 179
 171

 89
 76
 --
 13 ← remainder

$7499 \div 23 = 326 \text{ remainder } 1$

326
 23 | 7499

```

69
--
59
46
--
139
138
---
1 ← remainder

```

$$7499 \div 29 = 258 \text{ remainder } 17$$

```

258
29 | 7499
   58
   --
   169
   145
   ---
   249
   232
   ---
   17 ← remainder

```

$$7499 \div 31 = 241 \text{ remainder } 28$$

```

241
31 | 7499
   62
   --
   129
   124
   ---
   59
   31
   --
   28 ← remainder

```

$$7499 \div 37 = 202 \text{ remainder } 25$$

```

202
37 | 7499
   74
   --

```

```

  9
  0
  -
 99
 74
  --
25 ← remainder

```

$$7499 \div 41 = 182 \text{ remainder } 37$$

```

    182
41 | 7499
    41
    --
   339
   328
   ---
   119
   82
   --
   37 ← remainder

```

$$7499 \div 43 = 174 \text{ remainder } 17$$

```

    174
43 | 7499
    43
    --
   319
   301
   ---
   189
   172
   ---
   17 ← remainder

```

$$7499 \div 47 = 159 \text{ remainder } 26$$

```

    159
47 | 7499
    47
    --
   279
   235

```

```

  ---
449
423
  ---
26 ← remainder

```

$$7499 \div 53 = 141 \text{ remainder } 26$$

```

    141
53 | 7499
    53
    --
    219
    212
    ---
     79
     53
     --
    26 ← remainder

```

$$7499 \div 59 = 127 \text{ remainder } 6$$

```

    127
59 | 7499
    59
    --
    159
    118
    ---
    419
    413
    ---
     6 ← remainder

```

$$7499 \div 61 = 122 \text{ remainder } 57$$

```

    122
61 | 7499
    61
    --
    139
    122
    ---
    179

```

122

 57 ← remainder

$$7499 \div 67 = 111 \text{ remainder } 62$$

111
 67 | 7499
 67
 --
 79
 67
 --
 129
 67
 --
 62 ← remainder

$$7499 \div 71 = 105 \text{ remainder } 44$$

105
 71 | 7499
 71
 --
 39
 0
 -
 399
 355

 44 ← remainder

$$7499 \div 73 = 102 \text{ remainder } 53$$

102
 73 | 7499
 73
 --
 19
 0
 -
 199
 146

53 ← remainder

$$7499 \div 79 = 94 \text{ remainder } 73$$

94
79 | 7499
711

389
316

73 ← remainder

$$7499 \div 83 = 90 \text{ remainder } 29$$

90
83 | 7499
747

29
0
-
29 ← remainder

P₉₅₁ 7507

$$7507 \div 2 = 3753 \text{ remainder } 1$$

$$\begin{array}{r} 3753 \\ 2 \mid 7507 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 10 \\ \underline{10} \\ - - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7507 \div 3 = 2502 \text{ remainder } 1$$

$$\begin{array}{r} 2502 \\ 3 \mid 7507 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 0 \\ \underline{0} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7507 \div 5 = 1501 \text{ remainder } 2$$

$$\begin{array}{r} 1501 \\ 5 \mid 7507 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
0
0
-
7
5
-
2 ← remainder

```

$$7507 \div 7 = 1072 \text{ remainder } 3$$

```

1072
7 | 7507
  7
  -
  5
  0
  -
  50
  49
  --
  17
  14
  --
  3 ← remainder

```

$$7507 \div 11 = 682 \text{ remainder } 5$$

```

682
11 | 7507
   66
   --
   90
   88
   --
   27
   22
   --
   5 ← remainder

```

$$7507 \div 13 = 577 \text{ remainder } 6$$


```

      577
13 | 7507
    65
    --
    100
    91
    --
    97
    91
    --
    6 ← remainder

```

$$7507 \div 17 = 441 \text{ remainder } 10$$

```

      441
17 | 7507
    68
    --
    70
    68
    --
    27
    17
    --
    10 ← remainder

```

$$7507 \div 19 = 395 \text{ remainder } 2$$

```

      395
19 | 7507
    57
    --
    180
    171
    ---
    97
    95
    --
    2 ← remainder

```

$$7507 \div 23 = 326 \text{ remainder } 9$$

```

      326
23 | 7507

```

```

69
--
60
46
--
147
138
---
9 ← remainder

```

$$7507 \div 29 = 258 \text{ remainder } 25$$

```

      258
29 | 7507
    58
    --
    170
    145
    ---
    257
    232
    ---
    25 ← remainder

```

$$7507 \div 31 = 242 \text{ remainder } 5$$

```

      242
31 | 7507
    62
    --
    130
    124
    ---
    67
    62
    --
    5 ← remainder

```

$$7507 \div 37 = 202 \text{ remainder } 33$$

```

      202
37 | 7507
    74
    --

```

```

10
0
-
107
74
--
33 ← remainder

```

$$7507 \div 41 = 183 \text{ remainder } 4$$

```

      183
41 | 7507
    41
    --
    340
    328
    ---
    127
    123
    ---
    4 ← remainder

```

$$7507 \div 43 = 174 \text{ remainder } 25$$

```

      174
43 | 7507
    43
    --
    320
    301
    ---
    197
    172
    ---
    25 ← remainder

```

$$7507 \div 47 = 159 \text{ remainder } 34$$

```

      159
47 | 7507
    47
    --
    280
    235

```

```

  ---
457
423
  ---
34 ← remainder

```

$$7507 \div 53 = 141 \text{ remainder } 34$$

```

    141
53 | 7507
    53
    --
    220
    212
    ---
     87
     53
     --
    34 ← remainder

```

$$7507 \div 59 = 127 \text{ remainder } 14$$

```

    127
59 | 7507
    59
    --
    160
    118
    ---
    427
    413
    ---
    14 ← remainder

```

$$7507 \div 61 = 123 \text{ remainder } 4$$

```

    123
61 | 7507
    61
    --
    140
    122
    ---
    187

```

183

 4 ← remainder

$$7507 \div 67 = 112 \text{ remainder } 3$$

112
 67 | 7507
 67
 --
 80
 67
 --
 137
 134

 3 ← remainder

$$7507 \div 71 = 105 \text{ remainder } 52$$

105
 71 | 7507
 71
 --
 40
 0
 -
 407
 355

 52 ← remainder

$$7507 \div 73 = 102 \text{ remainder } 61$$

102
 73 | 7507
 73
 --
 20
 0
 -
 207
 146

61 ← remainder

$$7507 \div 79 = 95 \text{ remainder } 2$$

95
79 | 7507
711

397
395

2 ← remainder

$$7507 \div 83 = 90 \text{ remainder } 37$$

90
83 | 7507
747

37
0
-
37 ← remainder

P₉₅₂ 7517

$$7517 \div 2 = 3758 \text{ remainder } 1$$

$$\begin{array}{r} 3758 \\ 2 \mid 7517 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7517 \div 3 = 2505 \text{ remainder } 2$$

$$\begin{array}{r} 2505 \\ 3 \mid 7517 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7517 \div 5 = 1503 \text{ remainder } 2$$

$$\begin{array}{r} 1503 \\ 5 \mid 7517 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
1
0
-
17
15
--
2 ← remainder

```

$$7517 \div 7 = 1073 \text{ remainder } 6$$

```

1073
7 | 7517
  7
  -
  5
  0
  -
  51
  49
  --
  27
  21
  --
  6 ← remainder

```

$$7517 \div 11 = 683 \text{ remainder } 4$$

```

683
11 | 7517
   66
   --
   91
   88
   --
   37
   33
   --
   4 ← remainder

```

$$7517 \div 13 = 578 \text{ remainder } 3$$


```

      578
13 | 7517
    65
    --
    101
    91
    --
    107
    104
    ---
    3 ← remainder

```

$7517 \div 17 = 442 \text{ remainder } 3$

```

      442
17 | 7517
    68
    --
    71
    68
    --
    37
    34
    --
    3 ← remainder

```

$7517 \div 19 = 395 \text{ remainder } 12$

```

      395
19 | 7517
    57
    --
    181
    171
    ---
    107
    95
    --
    12 ← remainder

```

$7517 \div 23 = 326 \text{ remainder } 19$

```

      326
23 | 7517

```

```

69
--
61
46
--
157
138
---
19 ← remainder

```

$$7517 \div 29 = 259 \text{ remainder } 6$$

```

      259
29 | 7517
    58
    --
    171
    145
    ---
    267
    261
    ---
    6 ← remainder

```

$$7517 \div 31 = 242 \text{ remainder } 15$$

```

      242
31 | 7517
    62
    --
    131
    124
    ---
    77
    62
    --
    15 ← remainder

```

$$7517 \div 37 = 203 \text{ remainder } 6$$

```

      203
37 | 7517
    74
    --

```

```

11
0
-
117
111
---
6 ← remainder

```

$$7517 \div 41 = 183 \text{ remainder } 14$$

```

183
41 | 7517
   41
   --
   341
   328
   ---
   137
   123
   ---
   14 ← remainder

```

$$7517 \div 43 = 174 \text{ remainder } 35$$

```

174
43 | 7517
   43
   --
   321
   301
   ---
   207
   172
   ---
   35 ← remainder

```

$$7517 \div 47 = 159 \text{ remainder } 44$$

```

159
47 | 7517
   47
   --
   281
   235

```

```

  ---
467
423
  ---
44 ← remainder

```

$$7517 \div 53 = 141 \text{ remainder } 44$$

```

    141
53 | 7517
    53
    --
    221
    212
    ---
     97
     53
     --
    44 ← remainder

```

$$7517 \div 59 = 127 \text{ remainder } 24$$

```

    127
59 | 7517
    59
    --
    161
    118
    ---
    437
    413
    ---
    24 ← remainder

```

$$7517 \div 61 = 123 \text{ remainder } 14$$

```

    123
61 | 7517
    61
    --
    141
    122
    ---
    197

```

183

14 ← remainder

$$7517 \div 67 = 112 \text{ remainder } 13$$

112

67 | 7517

67

--

81

67

--

147

134

13 ← remainder

$$7517 \div 71 = 105 \text{ remainder } 62$$

105

71 | 7517

71

--

41

0

-

417

355

62 ← remainder

$$7517 \div 73 = 102 \text{ remainder } 71$$

102

73 | 7517

73

--

21

0

-

217

146

71 ← remainder

$$7517 \div 79 = 95 \text{ remainder } 12$$

95
79 | 7517
711

407
395

12 ← remainder

$$7517 \div 83 = 90 \text{ remainder } 47$$

90
83 | 7517
747

47
0
-
47 ← remainder

P₉₅₃ 7523

$$7523 \div 2 = 3761 \text{ remainder } 1$$

$$\begin{array}{r} 3761 \\ 2 \mid 7523 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7523 \div 3 = 2507 \text{ remainder } 2$$

$$\begin{array}{r} 2507 \\ 3 \mid 7523 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7523 \div 5 = 1504 \text{ remainder } 3$$

$$\begin{array}{r} 1504 \\ 5 \mid 7523 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
2
0
-
23
20
--
3 ← remainder

```

$$7523 \div 7 = 1074 \text{ remainder } 5$$

```

1074
7 | 7523
  7
  -
  5
  0
  -
  52
  49
  --
  33
  28
  --
  5 ← remainder

```

$$7523 \div 11 = 683 \text{ remainder } 10$$

```

683
11 | 7523
   66
   --
   92
   88
   --
   43
   33
   --
  10 ← remainder

```

$$7523 \div 13 = 578 \text{ remainder } 9$$


```

      578
13 | 7523
    65
    --
    102
    91
    --
    113
    104
    ---
      9 ← remainder

```

$7523 \div 17 = 442 \text{ remainder } 9$

```

      442
17 | 7523
    68
    --
    72
    68
    --
    43
    34
    --
      9 ← remainder

```

$7523 \div 19 = 395 \text{ remainder } 18$

```

      395
19 | 7523
    57
    --
    182
    171
    ---
    113
    95
    --
    18 ← remainder

```

$7523 \div 23 = 327 \text{ remainder } 2$

```

      327
23 | 7523

```

```

69
--
62
46
--
163
161
---
2 ← remainder

```

$$7523 \div 29 = 259 \text{ remainder } 12$$

```

259
29 | 7523
   58
   --
   172
   145
   ---
   273
   261
   ---
   12 ← remainder

```

$$7523 \div 31 = 242 \text{ remainder } 21$$

```

242
31 | 7523
   62
   --
   132
   124
   ---
   83
   62
   --
   21 ← remainder

```

$$7523 \div 37 = 203 \text{ remainder } 12$$

```

203
37 | 7523
   74
   --

```

```

12
0
-
123
111
---
12 ← remainder

```

$$7523 \div 41 = 183 \text{ remainder } 20$$

```

183
41 | 7523
   41
   --
   342
   328
   ---
   143
   123
   ---
   20 ← remainder

```

$$7523 \div 43 = 174 \text{ remainder } 41$$

```

174
43 | 7523
   43
   --
   322
   301
   ---
   213
   172
   ---
   41 ← remainder

```

$$7523 \div 47 = 160 \text{ remainder } 3$$

```

160
47 | 7523
   47
   --
   282
   282

```

```

  ---
  3
  0
  -
  3 ← remainder

```

$$7523 \div 53 = 141 \text{ remainder } 50$$

```

    141
53 | 7523
    53
    --
    222
    212
    ---
    103
    53
    --
    50 ← remainder

```

$$7523 \div 59 = 127 \text{ remainder } 30$$

```

    127
59 | 7523
    59
    --
    162
    118
    ---
    443
    413
    ---
    30 ← remainder

```

$$7523 \div 61 = 123 \text{ remainder } 20$$

```

    123
61 | 7523
    61
    --
    142
    122
    ---
    203

```

183

 20 ← remainder

$$7523 \div 67 = 112 \text{ remainder } 19$$

112
 67 | 7523
 67
 --
 82
 67
 --
 153
 134

 19 ← remainder

$$7523 \div 71 = 105 \text{ remainder } 68$$

105
 71 | 7523
 71
 --
 42
 0
 -
 423
 355

 68 ← remainder

$$7523 \div 73 = 103 \text{ remainder } 4$$

103
 73 | 7523
 73
 --
 22
 0
 -
 223
 219

4 ← remainder

$$7523 \div 79 = 95 \text{ remainder } 18$$

95
79 | 7523
711

413
395

18 ← remainder

$$7523 \div 83 = 90 \text{ remainder } 53$$

90
83 | 7523
747

53
0
-
53 ← remainder

P₉₅₄ 7529

$$7529 \div 2 = 3764 \text{ remainder } 1$$

$$\begin{array}{r} 3764 \\ 2 \mid 7529 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 12 \\ \underline{12} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 3 = 2509 \text{ remainder } 2$$

$$\begin{array}{r} 2509 \\ 3 \mid 7529 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7529 \div 5 = 1505 \text{ remainder } 4$$

$$\begin{array}{r} 1505 \\ 5 \mid 7529 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
2
0
-
29
25
--
4 ← remainder

```

$$7529 \div 7 = 1075 \text{ remainder } 4$$

```

1075
7 | 7529
  7
  -
  5
  0
  -
  52
  49
  --
  39
  35
  --
  4 ← remainder

```

$$7529 \div 11 = 684 \text{ remainder } 5$$

```

684
11 | 7529
   66
   --
   92
   88
   --
   49
   44
   --
   5 ← remainder

```

$$7529 \div 13 = 579 \text{ remainder } 2$$

$$\begin{array}{r}
 579 \\
 13 \mid 7529 \\
 \underline{65} \\
 -- \\
 102 \\
 \underline{91} \\
 -- \\
 119 \\
 \underline{117} \\
 --- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$7529 \div 17 = 442 \text{ remainder } 15$$

$$\begin{array}{r}
 442 \\
 17 \mid 7529 \\
 \underline{68} \\
 -- \\
 72 \\
 \underline{68} \\
 -- \\
 49 \\
 \underline{34} \\
 -- \\
 15 \leftarrow \text{remainder}
 \end{array}$$

$$7529 \div 19 = 396 \text{ remainder } 5$$

$$\begin{array}{r}
 396 \\
 19 \mid 7529 \\
 \underline{57} \\
 -- \\
 182 \\
 \underline{171} \\
 --- \\
 119 \\
 \underline{114} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7529 \div 23 = 327 \text{ remainder } 8$$

$$\begin{array}{r}
 327 \\
 23 \mid 7529
 \end{array}$$

```

69
--
62
46
--
169
161
---
8 ← remainder

```

$$7529 \div 29 = 259 \text{ remainder } 18$$

```

      259
29 | 7529
    58
    --
    172
    145
    ---
    279
    261
    ---
    18 ← remainder

```

$$7529 \div 31 = 242 \text{ remainder } 27$$

```

      242
31 | 7529
    62
    --
    132
    124
    ---
    89
    62
    --
    27 ← remainder

```

$$7529 \div 37 = 203 \text{ remainder } 18$$

```

      203
37 | 7529
    74
    --

```

```

12
0
-
129
111
---
18 ← remainder

```

$$7529 \div 41 = 183 \text{ remainder } 26$$

```

      183
41 | 7529
    41
    --
    342
    328
    ---
    149
    123
    ---
    26 ← remainder

```

$$7529 \div 43 = 175 \text{ remainder } 4$$

```

      175
43 | 7529
    43
    --
    322
    301
    ---
    219
    215
    ---
     4 ← remainder

```

$$7529 \div 47 = 160 \text{ remainder } 9$$

```

      160
47 | 7529
    47
    --
    282
    282
    ---

```

```

  ---
  9
  0
  -
  9 ← remainder

```

$$7529 \div 53 = 142 \text{ remainder } 3$$

```

    142
  53 | 7529
     53
     --
     222
     212
     ---
     109
     106
     ---
     3 ← remainder

```

$$7529 \div 59 = 127 \text{ remainder } 36$$

```

    127
  59 | 7529
     59
     --
     162
     118
     ---
     449
     413
     ---
     36 ← remainder

```

$$7529 \div 61 = 123 \text{ remainder } 26$$

```

    123
  61 | 7529
     61
     --
     142
     122
     ---
     209

```

183

 26 ← remainder

$$7529 \div 67 = 112 \text{ remainder } 25$$

112
 67 | 7529
 67
 --
 82
 67
 --
 159
 134

 25 ← remainder

$$7529 \div 71 = 106 \text{ remainder } 3$$

106
 71 | 7529
 71
 --
 42
 0
 -
 429
 426

 3 ← remainder

$$7529 \div 73 = 103 \text{ remainder } 10$$

103
 73 | 7529
 73
 --
 22
 0
 -
 229
 219

10 ← remainder

$$7529 \div 79 = 95 \text{ remainder } 24$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7529} \\ \underline{711} \end{array}$$

419

395

24 ← remainder

$$7529 \div 83 = 90 \text{ remainder } 59$$

$$\begin{array}{r} 90 \\ 83 \overline{) 7529} \\ \underline{747} \end{array}$$

59

0

-

59 ← remainder

P₉₅₅ 7537

$$7537 \div 2 = 3768 \text{ remainder } 1$$

$$\begin{array}{r} 3768 \\ 2 \mid 7537 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 13 \\ \underline{12} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7537 \div 3 = 2512 \text{ remainder } 1$$

$$\begin{array}{r} 2512 \\ 3 \mid 7537 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 3 \\ \underline{3} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7537 \div 5 = 1507 \text{ remainder } 2$$

$$\begin{array}{r} 1507 \\ 5 \mid 7537 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
3
0
-
37
35
--
2 ← remainder

```

$$7537 \div 7 = 1076 \text{ remainder } 5$$

```

1076
7 | 7537
  7
  -
  5
  0
  -
  53
  49
  --
  47
  42
  --
  5 ← remainder

```

$$7537 \div 11 = 685 \text{ remainder } 2$$

```

685
11 | 7537
   66
   --
   93
   88
   --
   57
   55
   --
   2 ← remainder

```

$$7537 \div 13 = 579 \text{ remainder } 10$$


```

      579
13 | 7537
    65
    --
    103
    91
    --
    127
    117
    ---
    10 ← remainder

```

$7537 \div 17 = 443 \text{ remainder } 6$

```

      443
17 | 7537
    68
    --
    73
    68
    --
    57
    51
    --
    6 ← remainder

```

$7537 \div 19 = 396 \text{ remainder } 13$

```

      396
19 | 7537
    57
    --
    183
    171
    ---
    127
    114
    ---
    13 ← remainder

```

$7537 \div 23 = 327 \text{ remainder } 16$

```

      327
23 | 7537

```

```

69
--
63
46
--
177
161
---
16 ← remainder

```

$$7537 \div 29 = 259 \text{ remainder } 26$$

```

259
29 | 7537
   58
   --
   173
   145
   ---
   287
   261
   ---
   26 ← remainder

```

$$7537 \div 31 = 243 \text{ remainder } 4$$

```

243
31 | 7537
   62
   --
   133
   124
   ---
   97
   93
   --
   4 ← remainder

```

$$7537 \div 37 = 203 \text{ remainder } 26$$

```

203
37 | 7537
   74
   --

```

```

13
0
-
137
111
---
26 ← remainder

```

$$7537 \div 41 = 183 \text{ remainder } 34$$

```

      183
41 | 7537
    41
    --
    343
    328
    ---
    157
    123
    ---
    34 ← remainder

```

$$7537 \div 43 = 175 \text{ remainder } 12$$

```

      175
43 | 7537
    43
    --
    323
    301
    ---
    227
    215
    ---
    12 ← remainder

```

$$7537 \div 47 = 160 \text{ remainder } 17$$

```

      160
47 | 7537
    47
    --
    283
    282
    ---

```

```

  ---
  17
  0
  -
  17 ← remainder

```

$$7537 \div 53 = 142 \text{ remainder } 11$$

```

    142
53 | 7537
    53
    --
    223
    212
    ---
    117
    106
    ---
    11 ← remainder

```

$$7537 \div 59 = 127 \text{ remainder } 44$$

```

    127
59 | 7537
    59
    --
    163
    118
    ---
    457
    413
    ---
    44 ← remainder

```

$$7537 \div 61 = 123 \text{ remainder } 34$$

```

    123
61 | 7537
    61
    --
    143
    122
    ---
    217

```

183

34 ← remainder

$$7537 \div 67 = 112 \text{ remainder } 33$$

112
67 | 7537

67

--

83

67

--

167

134

33 ← remainder

$$7537 \div 71 = 106 \text{ remainder } 11$$

106
71 | 7537

71

--

43

0

-

437

426

11 ← remainder

$$7537 \div 73 = 103 \text{ remainder } 18$$

103
73 | 7537

73

--

23

0

-

237

219

18 ← remainder

$$7537 \div 79 = 95 \text{ remainder } 32$$

$$\begin{array}{r} 95 \\ 79 \overline{) 7537} \\ \underline{711} \end{array}$$

427

395

32 ← remainder

$$7537 \div 83 = 90 \text{ remainder } 67$$

$$\begin{array}{r} 90 \\ 83 \overline{) 7537} \\ \underline{747} \end{array}$$

67

0

-

67 ← remainder

P₉₅₆ 7541

$$7541 \div 2 = 3770 \text{ remainder } 1$$

$$\begin{array}{r} 3770 \\ 2 \mid 7541 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7541 \div 3 = 2513 \text{ remainder } 2$$

$$\begin{array}{r} 2513 \\ 3 \mid 7541 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7541 \div 5 = 1508 \text{ remainder } 1$$

$$\begin{array}{r} 1508 \\ 5 \mid 7541 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
4
0
-
41
40
--
1 ← remainder

```

$$7541 \div 7 = 1077 \text{ remainder } 2$$

```

1077
7 | 7541
  7
  -
  5
  0
  -
  54
  49
  --
  51
  49
  --
  2 ← remainder

```

$$7541 \div 11 = 685 \text{ remainder } 6$$

```

685
11 | 7541
   66
   --
   94
   88
   --
   61
   55
   --
   6 ← remainder

```

$$7541 \div 13 = 580 \text{ remainder } 1$$

$$\begin{array}{r}
 580 \\
 13 \mid 7541 \\
 \underline{65} \\
 -- \\
 104 \\
 \underline{104} \\
 --- \\
 1 \\
 0 \\
 - \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7541 \div 17 = 443 \text{ remainder } 10$$

$$\begin{array}{r}
 443 \\
 17 \mid 7541 \\
 \underline{68} \\
 -- \\
 74 \\
 \underline{68} \\
 -- \\
 61 \\
 \underline{51} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$7541 \div 19 = 396 \text{ remainder } 17$$

$$\begin{array}{r}
 396 \\
 19 \mid 7541 \\
 \underline{57} \\
 -- \\
 184 \\
 \underline{171} \\
 --- \\
 131 \\
 \underline{114} \\
 --- \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$7541 \div 23 = 327 \text{ remainder } 20$$

$$\begin{array}{r}
 327 \\
 23 \mid 7541
 \end{array}$$

```

69
--
64
46
--
181
161
---
20 ← remainder

```

$$7541 \div 29 = 260 \text{ remainder } 1$$

```

      260
29 | 7541
    58
    --
    174
    174
    ---
      1
      0
      -
      1 ← remainder

```

$$7541 \div 31 = 243 \text{ remainder } 8$$

```

      243
31 | 7541
    62
    --
    134
    124
    ---
    101
     93
     --
      8 ← remainder

```

$$7541 \div 37 = 203 \text{ remainder } 30$$

```

      203
37 | 7541
    74
    --

```

```

14
0
-
141
111
---
30 ← remainder

```

$$7541 \div 41 = 183 \text{ remainder } 38$$

```

      183
41 | 7541
    41
    --
    344
    328
    ---
    161
    123
    ---
    38 ← remainder

```

$$7541 \div 43 = 175 \text{ remainder } 16$$

```

      175
43 | 7541
    43
    --
    324
    301
    ---
    231
    215
    ---
    16 ← remainder

```

$$7541 \div 47 = 160 \text{ remainder } 21$$

```

      160
47 | 7541
    47
    --
    284
    282

```

```

  ---
  21
  0
  -
  21 ← remainder

```

$$7541 \div 53 = 142 \text{ remainder } 15$$

```

    142
53 | 7541
    53
    --
    224
    212
    ---
    121
    106
    ---
    15 ← remainder

```

$$7541 \div 59 = 127 \text{ remainder } 48$$

```

    127
59 | 7541
    59
    --
    164
    118
    ---
    461
    413
    ---
    48 ← remainder

```

$$7541 \div 61 = 123 \text{ remainder } 38$$

```

    123
61 | 7541
    61
    --
    144
    122
    ---
    221

```

183

38 ← remainder

$$7541 \div 67 = 112 \text{ remainder } 37$$

112
67 | 7541

67

--

84

67

--

171

134

37 ← remainder

$$7541 \div 71 = 106 \text{ remainder } 15$$

106
71 | 7541

71

--

44

0

-

441

426

15 ← remainder

$$7541 \div 73 = 103 \text{ remainder } 22$$

103
73 | 7541

73

--

24

0

-

241

219

22 ← remainder

$$7541 \div 79 = 95 \text{ remainder } 36$$

95
79 | 7541
711

431
395

36 ← remainder

$$7541 \div 83 = 90 \text{ remainder } 71$$

90
83 | 7541
747

71
0
-
71 ← remainder

P₉₅₇ 7547

$$7547 \div 2 = 3773 \text{ remainder } 1$$

$$\begin{array}{r} 3773 \\ 2 \mid 7547 \\ 6 \\ - \\ 15 \\ 14 \\ - - \\ 14 \\ 14 \\ - - \\ 7 \\ 6 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7547 \div 3 = 2515 \text{ remainder } 2$$

$$\begin{array}{r} 2515 \\ 3 \mid 7547 \\ 6 \\ - \\ 15 \\ 15 \\ - - \\ 4 \\ 3 \\ - \\ 17 \\ 15 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7547 \div 5 = 1509 \text{ remainder } 2$$

$$\begin{array}{r} 1509 \\ 5 \mid 7547 \\ 5 \\ - \end{array}$$

```

25
25
--
4
0
-
47
45
--
2 ← remainder

```

$$7547 \div 7 = 1078 \text{ remainder } 1$$

```

1078
7 | 7547
  7
  -
  5
  0
  -
  54
  49
  --
  57
  56
  --
  1 ← remainder

```

$$7547 \div 11 = 686 \text{ remainder } 1$$

```

686
11 | 7547
   66
   --
   94
   88
   --
   67
   66
   --
   1 ← remainder

```

$$7547 \div 13 = 580 \text{ remainder } 7$$

$$\begin{array}{r}
 580 \\
 13 \mid 7547 \\
 \underline{65} \\
 -- \\
 104 \\
 \underline{104} \\
 --- \\
 7 \\
 0 \\
 - \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7547 \div 17 = 443 \text{ remainder } 16$$

$$\begin{array}{r}
 443 \\
 17 \mid 7547 \\
 \underline{68} \\
 -- \\
 74 \\
 \underline{68} \\
 -- \\
 67 \\
 \underline{51} \\
 -- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$7547 \div 19 = 397 \text{ remainder } 4$$

$$\begin{array}{r}
 397 \\
 19 \mid 7547 \\
 \underline{57} \\
 -- \\
 184 \\
 \underline{171} \\
 --- \\
 137 \\
 \underline{133} \\
 --- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$7547 \div 23 = 328 \text{ remainder } 3$$

$$\begin{array}{r}
 328 \\
 23 \mid 7547
 \end{array}$$

```

69
--
64
46
--
187
184
---
3 ← remainder

```

$$7547 \div 29 = 260 \text{ remainder } 7$$

```

      260
29 | 7547
    58
    --
    174
    174
    ---
      7
      0
      -
      7 ← remainder

```

$$7547 \div 31 = 243 \text{ remainder } 14$$

```

      243
31 | 7547
    62
    --
    134
    124
    ---
    107
    93
    --
    14 ← remainder

```

$$7547 \div 37 = 203 \text{ remainder } 36$$

```

      203
37 | 7547
    74
    --

```

```

14
0
-
147
111
---
36 ← remainder

```

$$7547 \div 41 = 184 \text{ remainder } 3$$

```

      184
41 | 7547
    41
    --
    344
    328
    ---
    167
    164
    ---
    3 ← remainder

```

$$7547 \div 43 = 175 \text{ remainder } 22$$

```

      175
43 | 7547
    43
    --
    324
    301
    ---
    237
    215
    ---
    22 ← remainder

```

$$7547 \div 47 = 160 \text{ remainder } 27$$

```

      160
47 | 7547
    47
    --
    284
    282
    ---

```

```

---
27
0
-
27 ← remainder

```

$$7547 \div 53 = 142 \text{ remainder } 21$$

```

    142
53 | 7547
    53
    --
    224
    212
    ---
    127
    106
    ---
    21 ← remainder

```

$$7547 \div 59 = 127 \text{ remainder } 54$$

```

    127
59 | 7547
    59
    --
    164
    118
    ---
    467
    413
    ---
    54 ← remainder

```

$$7547 \div 61 = 123 \text{ remainder } 44$$

```

    123
61 | 7547
    61
    --
    144
    122
    ---
    227

```

183

 44 ← remainder

$$7547 \div 67 = 112 \text{ remainder } 43$$

112
 67 | 7547
 67
 --
 84
 67
 --
 177
 134

 43 ← remainder

$$7547 \div 71 = 106 \text{ remainder } 21$$

106
 71 | 7547
 71
 --
 44
 0
 -
 447
 426

 21 ← remainder

$$7547 \div 73 = 103 \text{ remainder } 28$$

103
 73 | 7547
 73
 --
 24
 0
 -
 247
 219

28 ← remainder

$$7547 \div 79 = 95 \text{ remainder } 42$$

95
79 | 7547
711

437
395

42 ← remainder

$$7547 \div 83 = 90 \text{ remainder } 77$$

90
83 | 7547
747

77
0
-
77 ← remainder

P₉₅₈ 7549

$$7549 \div 2 = 3774 \text{ remainder } 1$$

$$\begin{array}{r} 3774 \\ 2 \mid 7549 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 14 \\ \underline{14} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7549 \div 3 = 2516 \text{ remainder } 1$$

$$\begin{array}{r} 2516 \\ 3 \mid 7549 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 4 \\ \underline{3} \\ - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7549 \div 5 = 1509 \text{ remainder } 4$$

$$\begin{array}{r} 1509 \\ 5 \mid 7549 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
4
0
-
49
45
--
4 ← remainder

```

$$7549 \div 7 = 1078 \text{ remainder } 3$$

```

1078
7 | 7549
  7
  -
  5
  0
  -
  54
  49
  --
  59
  56
  --
  3 ← remainder

```

$$7549 \div 11 = 686 \text{ remainder } 3$$

```

686
11 | 7549
   66
   --
   94
   88
   --
   69
   66
   --
   3 ← remainder

```

$$7549 \div 13 = 580 \text{ remainder } 9$$

$$\begin{array}{r}
 580 \\
 13 \mid 7549 \\
 \underline{65} \\
 -- \\
 104 \\
 \underline{104} \\
 --- \\
 9 \\
 0 \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$7549 \div 17 = 444 \text{ remainder } 1$$

$$\begin{array}{r}
 444 \\
 17 \mid 7549 \\
 \underline{68} \\
 -- \\
 74 \\
 \underline{68} \\
 -- \\
 69 \\
 \underline{68} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7549 \div 19 = 397 \text{ remainder } 6$$

$$\begin{array}{r}
 397 \\
 19 \mid 7549 \\
 \underline{57} \\
 -- \\
 184 \\
 \underline{171} \\
 --- \\
 139 \\
 \underline{133} \\
 --- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7549 \div 23 = 328 \text{ remainder } 5$$

$$\begin{array}{r}
 328 \\
 23 \mid 7549
 \end{array}$$

```

69
--
64
46
--
189
184
---
5 ← remainder

```

$$7549 \div 29 = 260 \text{ remainder } 9$$

```

      260
29 | 7549
    58
    --
    174
    174
    ---
      9
      0
      -
      9 ← remainder

```

$$7549 \div 31 = 243 \text{ remainder } 16$$

```

      243
31 | 7549
    62
    --
    134
    124
    ---
    109
    93
    --
    16 ← remainder

```

$$7549 \div 37 = 204 \text{ remainder } 1$$

```

      204
37 | 7549
    74
    --

```

```

14
0
-
149
148
---
1 ← remainder

```

$$7549 \div 41 = 184 \text{ remainder } 5$$

```

      184
41 | 7549
    41
    --
    344
    328
    ---
    169
    164
    ---
    5 ← remainder

```

$$7549 \div 43 = 175 \text{ remainder } 24$$

```

      175
43 | 7549
    43
    --
    324
    301
    ---
    239
    215
    ---
    24 ← remainder

```

$$7549 \div 47 = 160 \text{ remainder } 29$$

```

      160
47 | 7549
    47
    --
    284
    282

```

```

  ---
  29
  0
  -
  29 ← remainder

```

$$7549 \div 53 = 142 \text{ remainder } 23$$

```

    142
53 | 7549
    53
    --
    224
    212
    ---
    129
    106
    ---
    23 ← remainder

```

$$7549 \div 59 = 127 \text{ remainder } 56$$

```

    127
59 | 7549
    59
    --
    164
    118
    ---
    469
    413
    ---
    56 ← remainder

```

$$7549 \div 61 = 123 \text{ remainder } 46$$

```

    123
61 | 7549
    61
    --
    144
    122
    ---
    229

```

183

46 ← remainder

$$7549 \div 67 = 112 \text{ remainder } 45$$

112
67 | 7549

67

--

84

67

--

179

134

45 ← remainder

$$7549 \div 71 = 106 \text{ remainder } 23$$

106
71 | 7549

71

--

44

0

-

449

426

23 ← remainder

$$7549 \div 73 = 103 \text{ remainder } 30$$

103
73 | 7549

73

--

24

0

-

249

219

30 ← remainder

$$7549 \div 79 = 95 \text{ remainder } 44$$

95
79 | 7549
711

439
395

44 ← remainder

$$7549 \div 83 = 90 \text{ remainder } 79$$

90
83 | 7549
747

79
0
-
79 ← remainder

P₉₅₉ 7559

$$7559 \div 2 = 3779 \text{ remainder } 1$$

$$\begin{array}{r} 3779 \\ 2 \mid 7559 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 15 \\ \underline{14} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7559 \div 3 = 2519 \text{ remainder } 2$$

$$\begin{array}{r} 2519 \\ 3 \mid 7559 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 5 \\ \underline{3} \\ - \\ 29 \\ \underline{27} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7559 \div 5 = 1511 \text{ remainder } 4$$

$$\begin{array}{r} 1511 \\ 5 \mid 7559 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
5
5
-
9
5
-
4 ← remainder

```

$$7559 \div 7 = 1079 \text{ remainder } 6$$

```

1079
7 | 7559
  7
  -
  5
  0
  -
  55
  49
  --
  69
  63
  --
  6 ← remainder

```

$$7559 \div 11 = 687 \text{ remainder } 2$$

```

687
11 | 7559
   66
   --
   95
   88
   --
   79
   77
   --
   2 ← remainder

```

$$7559 \div 13 = 581 \text{ remainder } 6$$


```

      581
13 | 7559
    65
    --
    105
    104
    ---
    19
    13
    --
    6 ← remainder

```

$$7559 \div 17 = 444 \text{ remainder } 11$$

```

      444
17 | 7559
    68
    --
    75
    68
    --
    79
    68
    --
    11 ← remainder

```

$$7559 \div 19 = 397 \text{ remainder } 16$$

```

      397
19 | 7559
    57
    --
    185
    171
    ---
    149
    133
    ---
    16 ← remainder

```

$$7559 \div 23 = 328 \text{ remainder } 15$$

```

      328
23 | 7559

```

```

69
--
65
46
--
199
184
---
15 ← remainder

```

$$7559 \div 29 = 260 \text{ remainder } 19$$

```

      260
29 | 7559
    58
    --
    175
    174
    ---
     19
     0
     -
     19 ← remainder

```

$$7559 \div 31 = 243 \text{ remainder } 26$$

```

      243
31 | 7559
    62
    --
    135
    124
    ---
    119
    93
    --
    26 ← remainder

```

$$7559 \div 37 = 204 \text{ remainder } 11$$

```

      204
37 | 7559
    74
    --

```

```

15
0
-
159
148
---
11 ← remainder

```

$$7559 \div 41 = 184 \text{ remainder } 15$$

```

      184
41 | 7559
    41
    --
    345
    328
    ---
    179
    164
    ---
    15 ← remainder

```

$$7559 \div 43 = 175 \text{ remainder } 34$$

```

      175
43 | 7559
    43
    --
    325
    301
    ---
    249
    215
    ---
    34 ← remainder

```

$$7559 \div 47 = 160 \text{ remainder } 39$$

```

      160
47 | 7559
    47
    --
    285
    282
    ---

```

 39
 0
 -

39 ← remainder

$$7559 \div 53 = 142 \text{ remainder } 33$$

142
 53 | 7559
 53
 --
 225
 212

 139
 106

 33 ← remainder

$$7559 \div 59 = 128 \text{ remainder } 7$$

128
 59 | 7559
 59
 --
 165
 118

 479
 472

 7 ← remainder

$$7559 \div 61 = 123 \text{ remainder } 56$$

123
 61 | 7559
 61
 --
 145
 122

 239

183

56 ← remainder

$$7559 \div 67 = 112 \text{ remainder } 55$$

```
      112
67 | 7559
    67
    --
    85
    67
    --
    189
    134
    ---
    55 ← remainder
```

$$7559 \div 71 = 106 \text{ remainder } 33$$

```
      106
71 | 7559
    71
    --
    45
    0
    -
    459
    426
    ---
    33 ← remainder
```

$$7559 \div 73 = 103 \text{ remainder } 40$$

```
      103
73 | 7559
    73
    --
    25
    0
    -
    259
    219
```

40 ← remainder

$$7559 \div 79 = 95 \text{ remainder } 54$$

95
79 | 7559
711

449
395

54 ← remainder

$$7559 \div 83 = 91 \text{ remainder } 6$$

91
83 | 7559
747

89
83
--
6 ← remainder

P₉₆₀ 7561

$$7561 \div 2 = 3780 \text{ remainder } 1$$

$$\begin{array}{r} 3780 \\ 2 \mid 7561 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 16 \\ \underline{16} \\ - - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7561 \div 3 = 2520 \text{ remainder } 1$$

$$\begin{array}{r} 2520 \\ 3 \mid 7561 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 6 \\ \underline{6} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7561 \div 5 = 1512 \text{ remainder } 1$$

$$\begin{array}{r} 1512 \\ 5 \mid 7561 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
6
5
-
11
10
--
1 ← remainder

```

$$7561 \div 7 = 1080 \text{ remainder } 1$$

```

1080
7 | 7561
  7
  -
  5
  0
  -
  56
  56
  --
  1
  0
  -
  1 ← remainder

```

$$7561 \div 11 = 687 \text{ remainder } 4$$

```

687
11 | 7561
   66
   --
   96
   88
   --
   81
   77
   --
   4 ← remainder

```

$$7561 \div 13 = 581 \text{ remainder } 8$$


```

      581
13 | 7561
    65
    --
    106
    104
    ---
     21
     13
     --
      8 ← remainder

```

$7561 \div 17 = 444 \text{ remainder } 13$

```

      444
17 | 7561
    68
    --
     76
     68
     --
      81
      68
      --
      13 ← remainder

```

$7561 \div 19 = 397 \text{ remainder } 18$

```

      397
19 | 7561
    57
    --
    186
    171
    ---
     151
     133
     ---
      18 ← remainder

```

$7561 \div 23 = 328 \text{ remainder } 17$

```

      328
23 | 7561

```

```

69
--
66
46
--
201
184
---
17 ← remainder

```

$$7561 \div 29 = 260 \text{ remainder } 21$$

```

260
29 | 7561
   58
   --
   176
   174
   ---
    21
    0
    -
    21 ← remainder

```

$$7561 \div 31 = 243 \text{ remainder } 28$$

```

243
31 | 7561
   62
   --
   136
   124
   ---
    121
    93
    --
    28 ← remainder

```

$$7561 \div 37 = 204 \text{ remainder } 13$$

```

204
37 | 7561
   74
   --

```

```

16
0
-
161
148
---
13 ← remainder

```

$$7561 \div 41 = 184 \text{ remainder } 17$$

```

      184
41 | 7561
    41
    --
    346
    328
    ---
    181
    164
    ---
    17 ← remainder

```

$$7561 \div 43 = 175 \text{ remainder } 36$$

```

      175
43 | 7561
    43
    --
    326
    301
    ---
    251
    215
    ---
    36 ← remainder

```

$$7561 \div 47 = 160 \text{ remainder } 41$$

```

      160
47 | 7561
    47
    --
    286
    282

```

 41
 0
 -

41 ← remainder

$$7561 \div 53 = 142 \text{ remainder } 35$$

142
 53 | 7561
 53
 --
 226
 212

 141
 106

 35 ← remainder

$$7561 \div 59 = 128 \text{ remainder } 9$$

128
 59 | 7561
 59
 --
 166
 118

 481
 472

 9 ← remainder

$$7561 \div 61 = 123 \text{ remainder } 58$$

123
 61 | 7561
 61
 --
 146
 122

 241

183

58 ← remainder

$$7561 \div 67 = 112 \text{ remainder } 57$$

```
      112
67 | 7561
    67
    --
    86
    67
    --
    191
    134
    ---
    57 ← remainder
```

$$7561 \div 71 = 106 \text{ remainder } 35$$

```
      106
71 | 7561
    71
    --
    46
    0
    -
    461
    426
    ---
    35 ← remainder
```

$$7561 \div 73 = 103 \text{ remainder } 42$$

```
      103
73 | 7561
    73
    --
    26
    0
    -
    261
    219
```

42 ← remainder

$$7561 \div 79 = 95 \text{ remainder } 56$$

95
79 | 7561
711

451
395

56 ← remainder

$$7561 \div 83 = 91 \text{ remainder } 8$$

91
83 | 7561
747

91
83
--
8 ← remainder

P₉₆₁ 7573

$$7573 \div 2 = 3786 \text{ remainder } 1$$

$$\begin{array}{r} 3786 \\ 2 \mid 7573 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - \\ 17 \\ \underline{16} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7573 \div 3 = 2524 \text{ remainder } 1$$

$$\begin{array}{r} 2524 \\ 3 \mid 7573 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7573 \div 5 = 1514 \text{ remainder } 3$$

$$\begin{array}{r} 1514 \\ 5 \mid 7573 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
7
5
-
23
20
--
3 ← remainder

```

$$7573 \div 7 = 1081 \text{ remainder } 6$$

```

1081
7 | 7573
  7
  -
  5
  0
  -
  57
  56
  --
  13
  7
  -
  6 ← remainder

```

$$7573 \div 11 = 688 \text{ remainder } 5$$

```

688
11 | 7573
   66
   --
   97
   88
   --
   93
   88
   --
   5 ← remainder

```

$$7573 \div 13 = 582 \text{ remainder } 7$$


```

      582
13 | 7573
    65
    --
    107
    104
    ---
     33
     26
     --
      7 ← remainder

```

$7573 \div 17 = 445 \text{ remainder } 8$

```

      445
17 | 7573
    68
    --
     77
     68
     --
      93
      85
      --
       8 ← remainder

```

$7573 \div 19 = 398 \text{ remainder } 11$

```

      398
19 | 7573
    57
    --
    187
    171
    ---
     163
     152
     ---
      11 ← remainder

```

$7573 \div 23 = 329 \text{ remainder } 6$

```

      329
23 | 7573

```

```

69
--
67
46
--
213
207
---
6 ← remainder

```

$$7573 \div 29 = 261 \text{ remainder } 4$$

```

      261
29 | 7573
    58
    --
    177
    174
    ---
     33
     29
     --
     4 ← remainder

```

$$7573 \div 31 = 244 \text{ remainder } 9$$

```

      244
31 | 7573
    62
    --
    137
    124
    ---
     133
     124
     ---
      9 ← remainder

```

$$7573 \div 37 = 204 \text{ remainder } 25$$

```

      204
37 | 7573
    74
    --

```

```

17
0
-
173
148
---
25 ← remainder

```

$$7573 \div 41 = 184 \text{ remainder } 29$$

```

      184
41 | 7573
    41
    --
    347
    328
    ---
    193
    164
    ---
    29 ← remainder

```

$$7573 \div 43 = 176 \text{ remainder } 5$$

```

      176
43 | 7573
    43
    --
    327
    301
    ---
    263
    258
    ---
    5 ← remainder

```

$$7573 \div 47 = 161 \text{ remainder } 6$$

```

      161
47 | 7573
    47
    --
    287
    282

```

```

---
53
47
--
6 ← remainder

```

$$7573 \div 53 = 142 \text{ remainder } 47$$

```

142
53 | 7573
   53
   --
   227
   212
   ---
   153
   106
   ---
   47 ← remainder

```

$$7573 \div 59 = 128 \text{ remainder } 21$$

```

128
59 | 7573
   59
   --
   167
   118
   ---
   493
   472
   ---
   21 ← remainder

```

$$7573 \div 61 = 124 \text{ remainder } 9$$

```

124
61 | 7573
   61
   --
   147
   122
   ---
   253

```

244

 9 ← remainder

$$7573 \div 67 = 113 \text{ remainder } 2$$

113
 67 | 7573
 67
 --
 87
 67
 --
 203
 201

 2 ← remainder

$$7573 \div 71 = 106 \text{ remainder } 47$$

106
 71 | 7573
 71
 --
 47
 0
 -
 473
 426

 47 ← remainder

$$7573 \div 73 = 103 \text{ remainder } 54$$

103
 73 | 7573
 73
 --
 27
 0
 -
 273
 219

54 ← remainder

$$7573 \div 79 = 95 \text{ remainder } 68$$

95
79 | 7573
711

463
395

68 ← remainder

$$7573 \div 83 = 91 \text{ remainder } 20$$

91
83 | 7573
747

103
83
--
20 ← remainder

P₉₆₂ 7577

$$7577 \div 2 = 3788 \text{ remainder } 1$$

$$\begin{array}{r} 3788 \\ 2 \mid 7577 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7577 \div 3 = 2525 \text{ remainder } 2$$

$$\begin{array}{r} 2525 \\ 3 \mid 7577 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7577 \div 5 = 1515 \text{ remainder } 2$$

$$\begin{array}{r} 1515 \\ 5 \mid 7577 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
7
5
-
27
25
--
2 ← remainder

```

$$7577 \div 7 = 1082 \text{ remainder } 3$$

```

1082
7 | 7577
  7
  -
  5
  0
  -
  57
  56
  --
  17
  14
  --
  3 ← remainder

```

$$7577 \div 11 = 688 \text{ remainder } 9$$

```

688
11 | 7577
   66
   --
   97
   88
   --
   97
   88
   --
   9 ← remainder

```

$$7577 \div 13 = 582 \text{ remainder } 11$$


```

      582
13 | 7577
    65
    --
    107
    104
    ---
     37
     26
     --
     11 ← remainder

```

$7577 \div 17 = 445 \text{ remainder } 12$

```

      445
17 | 7577
    68
    --
     77
     68
     --
     97
     85
     --
     12 ← remainder

```

$7577 \div 19 = 398 \text{ remainder } 15$

```

      398
19 | 7577
    57
    --
    187
    171
    ---
    167
    152
    ---
     15 ← remainder

```

$7577 \div 23 = 329 \text{ remainder } 10$

```

      329
23 | 7577

```

```

69
--
67
46
--
217
207
---
10 ← remainder

```

$$7577 \div 29 = 261 \text{ remainder } 8$$

```

      261
29 | 7577
    58
    --
    177
    174
    ---
     37
     29
     --
     8 ← remainder

```

$$7577 \div 31 = 244 \text{ remainder } 13$$

```

      244
31 | 7577
    62
    --
    137
    124
    ---
     137
     124
     ---
     13 ← remainder

```

$$7577 \div 37 = 204 \text{ remainder } 29$$

```

      204
37 | 7577
    74
    --

```

```

17
0
-
177
148
---
29 ← remainder

```

$$7577 \div 41 = 184 \text{ remainder } 33$$

```

      184
41 | 7577
    41
    --
    347
    328
    ---
    197
    164
    ---
    33 ← remainder

```

$$7577 \div 43 = 176 \text{ remainder } 9$$

```

      176
43 | 7577
    43
    --
    327
    301
    ---
    267
    258
    ---
     9 ← remainder

```

$$7577 \div 47 = 161 \text{ remainder } 10$$

```

      161
47 | 7577
    47
    --
    287
    282

```

```

  ---
  57
  47
  --
  10 ← remainder

```

$$7577 \div 53 = 142 \text{ remainder } 51$$

```

    142
53 | 7577
    53
    --
    227
    212
    ---
    157
    106
    ---
    51 ← remainder

```

$$7577 \div 59 = 128 \text{ remainder } 25$$

```

    128
59 | 7577
    59
    --
    167
    118
    ---
    497
    472
    ---
    25 ← remainder

```

$$7577 \div 61 = 124 \text{ remainder } 13$$

```

    124
61 | 7577
    61
    --
    147
    122
    ---
    257

```

244

13 ← remainder

$$7577 \div 67 = 113 \text{ remainder } 6$$

113

67 | 7577

67

--

87

67

--

207

201

6 ← remainder

$$7577 \div 71 = 106 \text{ remainder } 51$$

106

71 | 7577

71

--

47

0

-

477

426

51 ← remainder

$$7577 \div 73 = 103 \text{ remainder } 58$$

103

73 | 7577

73

--

27

0

-

277

219

58 ← remainder

$$7577 \div 79 = 95 \text{ remainder } 72$$

95
79 | 7577
711

467
395

72 ← remainder

$$7577 \div 83 = 91 \text{ remainder } 24$$

91
83 | 7577
747

107
83
--
24 ← remainder

P₉₆₃ 7583

$$7583 \div 2 = 3791 \text{ remainder } 1$$

$$\begin{array}{r} 3791 \\ 2 \mid 7583 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7583 \div 3 = 2527 \text{ remainder } 2$$

$$\begin{array}{r} 2527 \\ 3 \mid 7583 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7583 \div 5 = 1516 \text{ remainder } 3$$

$$\begin{array}{r} 1516 \\ 5 \mid 7583 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
8
5
-
33
30
--
3 ← remainder

```

$$7583 \div 7 = 1083 \text{ remainder } 2$$

```

1083
7 | 7583
  7
  -
  5
  0
  -
  58
  56
  --
  23
  21
  --
  2 ← remainder

```

$$7583 \div 11 = 689 \text{ remainder } 4$$

```

689
11 | 7583
   66
   --
   98
   88
   --
  103
   99
   --
   4 ← remainder

```

$$7583 \div 13 = 583 \text{ remainder } 4$$


```

      583
13 | 7583
    65
    --
    108
    104
    ---
     43
     39
     --
      4 ← remainder

```

$7583 \div 17 = 446 \text{ remainder } 1$

```

      446
17 | 7583
    68
    --
     78
     68
     --
     103
     102
     ---
      1 ← remainder

```

$7583 \div 19 = 399 \text{ remainder } 2$

```

      399
19 | 7583
    57
    --
    188
    171
    ---
     173
     171
     ---
      2 ← remainder

```

$7583 \div 23 = 329 \text{ remainder } 16$

```

      329
23 | 7583

```

```

69
--
68
46
--
223
207
---
16 ← remainder

```

$$7583 \div 29 = 261 \text{ remainder } 14$$

```

      261
29 | 7583
    58
    --
    178
    174
    ---
     43
     29
     --
     14 ← remainder

```

$$7583 \div 31 = 244 \text{ remainder } 19$$

```

      244
31 | 7583
    62
    --
    138
    124
    ---
    143
    124
    ---
    19 ← remainder

```

$$7583 \div 37 = 204 \text{ remainder } 35$$

```

      204
37 | 7583
    74
    --

```

```

18
0
-
183
148
---
35 ← remainder

```

$$7583 \div 41 = 184 \text{ remainder } 39$$

```

184
41 | 7583
   41
   --
  348
  328
  ---
   203
   164
   ---
    39 ← remainder

```

$$7583 \div 43 = 176 \text{ remainder } 15$$

```

176
43 | 7583
   43
   --
  328
  301
  ---
   273
   258
   ---
    15 ← remainder

```

$$7583 \div 47 = 161 \text{ remainder } 16$$

```

161
47 | 7583
   47
   --
  288
  282

```

```

---
63
47
--

```

16 ← remainder

$$7583 \div 53 = 143 \text{ remainder } 4$$

```

143
53 | 7583
   53
   --
   228
   212
   ---
   163
   159
   ---
   4 ← remainder

```

$$7583 \div 59 = 128 \text{ remainder } 31$$

```

128
59 | 7583
   59
   --
   168
   118
   ---
   503
   472
   ---
   31 ← remainder

```

$$7583 \div 61 = 124 \text{ remainder } 19$$

```

124
61 | 7583
   61
   --
   148
   122
   ---
   263

```

244

 19 ← remainder

$$7583 \div 67 = 113 \text{ remainder } 12$$

113
 67 | 7583
 67
 --
 88
 67
 --
 213
 201

 12 ← remainder

$$7583 \div 71 = 106 \text{ remainder } 57$$

106
 71 | 7583
 71
 --
 48
 0
 -
 483
 426

 57 ← remainder

$$7583 \div 73 = 103 \text{ remainder } 64$$

103
 73 | 7583
 73
 --
 28
 0
 -
 283
 219

64 ← remainder

$$7583 \div 79 = 95 \text{ remainder } 78$$

95
79 | 7583
711

473
395

78 ← remainder

$$7583 \div 83 = 91 \text{ remainder } 30$$

91
83 | 7583
747

113
83
--
30 ← remainder

P₉₆₄ 7589

$$7589 \div 2 = 3794 \text{ remainder } 1$$

$$\begin{array}{r} 3794 \\ 2 \mid 7589 \\ 6 \\ - \\ 15 \\ 14 \\ - - \\ 18 \\ 18 \\ - - \\ 9 \\ 8 \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7589 \div 3 = 2529 \text{ remainder } 2$$

$$\begin{array}{r} 2529 \\ 3 \mid 7589 \\ 6 \\ - \\ 15 \\ 15 \\ - - \\ 8 \\ 6 \\ - \\ 29 \\ 27 \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7589 \div 5 = 1517 \text{ remainder } 4$$

$$\begin{array}{r} 1517 \\ 5 \mid 7589 \\ 5 \\ - \end{array}$$

```

25
25
--
8
5
-
39
35
--
4 ← remainder

```

$$7589 \div 7 = 1084 \text{ remainder } 1$$

```

1084
7 | 7589
  7
  -
  5
  0
  -
  58
  56
  --
  29
  28
  --
  1 ← remainder

```

$$7589 \div 11 = 689 \text{ remainder } 10$$

```

689
11 | 7589
   66
   --
   98
   88
   --
  109
   99
   --
  10 ← remainder

```

$$7589 \div 13 = 583 \text{ remainder } 10$$

583
 13 | 7589
 65
 --
 108
 104

 49
 39
 --
 10 ← remainder

$$7589 \div 17 = 446 \text{ remainder } 7$$

446
 17 | 7589
 68
 --
 78
 68
 --
 109
 102

 7 ← remainder

$$7589 \div 19 = 399 \text{ remainder } 8$$

399
 19 | 7589
 57
 --
 188
 171

 179
 171

 8 ← remainder

$$7589 \div 23 = 329 \text{ remainder } 22$$

329
 23 | 7589

```

69
--
68
46
--
229
207
---
22 ← remainder

```

$$7589 \div 29 = 261 \text{ remainder } 20$$

```

261
29 | 7589
   58
   --
   178
   174
   ---
   49
   29
   --
   20 ← remainder

```

$$7589 \div 31 = 244 \text{ remainder } 25$$

```

244
31 | 7589
   62
   --
   138
   124
   ---
   149
   124
   ---
   25 ← remainder

```

$$7589 \div 37 = 205 \text{ remainder } 4$$

```

205
37 | 7589
   74
   --

```

```

18
0
-
189
185
---
4 ← remainder

```

$$7589 \div 41 = 185 \text{ remainder } 4$$

```

      185
41 | 7589
    41
    --
    348
    328
    ---
    209
    205
    ---
    4 ← remainder

```

$$7589 \div 43 = 176 \text{ remainder } 21$$

```

      176
43 | 7589
    43
    --
    328
    301
    ---
    279
    258
    ---
    21 ← remainder

```

$$7589 \div 47 = 161 \text{ remainder } 22$$

```

      161
47 | 7589
    47
    --
    288
    282

```

69

47

--

22 ← remainder

$$7589 \div 53 = 143 \text{ remainder } 10$$

143

53 | 7589

53

--

228

212

169

159

10 ← remainder

$$7589 \div 59 = 128 \text{ remainder } 37$$

128

59 | 7589

59

--

168

118

509

472

37 ← remainder

$$7589 \div 61 = 124 \text{ remainder } 25$$

124

61 | 7589

61

--

148

122

269

244

 25 ← remainder

$$7589 \div 67 = 113 \text{ remainder } 18$$

113
 67 | 7589
 67
 --
 88
 67
 --
 219
 201

 18 ← remainder

$$7589 \div 71 = 106 \text{ remainder } 63$$

106
 71 | 7589
 71
 --
 48
 0
 -
 489
 426

 63 ← remainder

$$7589 \div 73 = 103 \text{ remainder } 70$$

103
 73 | 7589
 73
 --
 28
 0
 -
 289
 219

70 ← remainder

$$7589 \div 79 = 96 \text{ remainder } 5$$

96
79 | 7589
711

479
474

5 ← remainder

$$7589 \div 83 = 91 \text{ remainder } 36$$

91
83 | 7589
747

119
83
--
36 ← remainder

P₉₆₅ 7591

$$7591 \div 2 = 3795 \text{ remainder } 1$$

$$\begin{array}{r} 3795 \\ 2 \mid 7591 \\ \underline{6} \\ - \\ 15 \\ \underline{14} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 11 \\ \underline{10} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7591 \div 3 = 2530 \text{ remainder } 1$$

$$\begin{array}{r} 2530 \\ 3 \mid 7591 \\ \underline{6} \\ - \\ 15 \\ \underline{15} \\ - - \\ 9 \\ \underline{9} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7591 \div 5 = 1518 \text{ remainder } 1$$

$$\begin{array}{r} 1518 \\ 5 \mid 7591 \\ \underline{5} \\ - \end{array}$$

```

25
25
--
9
5
-
41
40
--
1 ← remainder

```

$$7591 \div 7 = 1084 \text{ remainder } 3$$

```

1084
7 | 7591
  7
  -
  5
  0
  -
  59
  56
  --
  31
  28
  --
  3 ← remainder

```

$$7591 \div 11 = 690 \text{ remainder } 1$$

```

690
11 | 7591
   66
   --
   99
   99
   --
   1
   0
   -
   1 ← remainder

```

$$7591 \div 13 = 583 \text{ remainder } 12$$

$$\begin{array}{r}
 583 \\
 13 \mid 7591 \\
 \underline{65} \\
 -- \\
 109 \\
 \underline{104} \\
 --- \\
 51 \\
 \underline{39} \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$7591 \div 17 = 446 \text{ remainder } 9$$

$$\begin{array}{r}
 446 \\
 17 \mid 7591 \\
 \underline{68} \\
 -- \\
 79 \\
 \underline{68} \\
 -- \\
 111 \\
 \underline{102} \\
 --- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$7591 \div 19 = 399 \text{ remainder } 10$$

$$\begin{array}{r}
 399 \\
 19 \mid 7591 \\
 \underline{57} \\
 -- \\
 189 \\
 \underline{171} \\
 --- \\
 181 \\
 \underline{171} \\
 --- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$7591 \div 23 = 330 \text{ remainder } 1$$

$$\begin{array}{r}
 330 \\
 23 \mid 7591
 \end{array}$$

```

69
--
69
69
--
1
0
-
1 ← remainder

```

$$7591 \div 29 = 261 \text{ remainder } 22$$

```

      261
29 | 7591
    58
    --
    179
    174
    ---
     51
     29
     --
     22 ← remainder

```

$$7591 \div 31 = 244 \text{ remainder } 27$$

```

      244
31 | 7591
    62
    --
    139
    124
    ---
     151
     124
     ---
     27 ← remainder

```

$$7591 \div 37 = 205 \text{ remainder } 6$$

```

      205
37 | 7591
    74
    --

```

```

19
0
-
191
185
---
6 ← remainder

```

$$7591 \div 41 = 185 \text{ remainder } 6$$

```

      185
41 | 7591
    41
    --
    349
    328
    ---
    211
    205
    ---
    6 ← remainder

```

$$7591 \div 43 = 176 \text{ remainder } 23$$

```

      176
43 | 7591
    43
    --
    329
    301
    ---
    281
    258
    ---
    23 ← remainder

```

$$7591 \div 47 = 161 \text{ remainder } 24$$

```

      161
47 | 7591
    47
    --
    289
    282

```

```

  ---
  71
  47
  --
  24 ← remainder

```

$$7591 \div 53 = 143 \text{ remainder } 12$$

```

    143
53 | 7591
    53
    --
    229
    212
    ---
    171
    159
    ---
    12 ← remainder

```

$$7591 \div 59 = 128 \text{ remainder } 39$$

```

    128
59 | 7591
    59
    --
    169
    118
    ---
    511
    472
    ---
    39 ← remainder

```

$$7591 \div 61 = 124 \text{ remainder } 27$$

```

    124
61 | 7591
    61
    --
    149
    122
    ---
    271

```

244

 27 ← remainder

$$7591 \div 67 = 113 \text{ remainder } 20$$

113
 67 | 7591
 67
 --
 89
 67
 --
 221
 201

 20 ← remainder

$$7591 \div 71 = 106 \text{ remainder } 65$$

106
 71 | 7591
 71
 --
 49
 0
 -
 491
 426

 65 ← remainder

$$7591 \div 73 = 103 \text{ remainder } 72$$

103
 73 | 7591
 73
 --
 29
 0
 -
 291
 219

72 ← remainder

$$7591 \div 79 = 96 \text{ remainder } 7$$

96
79 | 7591
711

481
474

7 ← remainder

$$7591 \div 83 = 91 \text{ remainder } 38$$

91
83 | 7591
747

121
83
--
38 ← remainder

P₉₆₆ 7603

$$7603 \div 2 = 3801 \text{ remainder } 1$$

$$\begin{array}{r} 3801 \\ 2 \mid 7603 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 0 \\ \underline{0} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7603 \div 3 = 2534 \text{ remainder } 1$$

$$\begin{array}{r} 2534 \\ 3 \mid 7603 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 10 \\ \underline{9} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7603 \div 5 = 1520 \text{ remainder } 3$$

$$\begin{array}{r} 1520 \\ 5 \mid 7603 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
10
10
--
3
0
-
3 ← remainder

```

$$7603 \div 7 = 1086 \text{ remainder } 1$$

```

1086
7 | 7603
  7
  -
  6
  0
  -
  60
  56
  --
  43
  42
  --
  1 ← remainder

```

$$7603 \div 11 = 691 \text{ remainder } 2$$

```

691
11 | 7603
   66
   --
   100
   99
   --
   13
   11
   --
   2 ← remainder

```

$$7603 \div 13 = 584 \text{ remainder } 11$$


```

      584
13 | 7603
    65
    --
    110
    104
    ---
     63
     52
     --
     11 ← remainder

```

$7603 \div 17 = 447 \text{ remainder } 4$

```

      447
17 | 7603
    68
    --
     80
     68
     --
    123
    119
    ---
     4 ← remainder

```

$7603 \div 19 = 400 \text{ remainder } 3$

```

      400
19 | 7603
    76
    --
     0
     0
     -
     3
     0
     -
     3 ← remainder

```

$7603 \div 23 = 330 \text{ remainder } 13$

```

      330
23 | 7603

```

```

69
--
70
69
--
13
0
-
13 ← remainder

```

$$7603 \div 29 = 262 \text{ remainder } 5$$

```

      262
29 | 7603
    58
    --
    180
    174
    ---
     63
     58
     --
      5 ← remainder

```

$$7603 \div 31 = 245 \text{ remainder } 8$$

```

      245
31 | 7603
    62
    --
    140
    124
    ---
    163
    155
    ---
     8 ← remainder

```

$$7603 \div 37 = 205 \text{ remainder } 18$$

```

      205
37 | 7603
    74
    --

```

```

20
0
-
203
185
---
18 ← remainder

```

$$7603 \div 41 = 185 \text{ remainder } 18$$

```

      185
41 | 7603
    41
    --
    350
    328
    ---
    223
    205
    ---
    18 ← remainder

```

$$7603 \div 43 = 176 \text{ remainder } 35$$

```

      176
43 | 7603
    43
    --
    330
    301
    ---
    293
    258
    ---
    35 ← remainder

```

$$7603 \div 47 = 161 \text{ remainder } 36$$

```

      161
47 | 7603
    47
    --
    290
    282

```

```

---
83
47
--
36 ← remainder

```

$$7603 \div 53 = 143 \text{ remainder } 24$$

```

143
53 | 7603
   53
   --
   230
   212
   ---
   183
   159
   ---
   24 ← remainder

```

$$7603 \div 59 = 128 \text{ remainder } 51$$

```

128
59 | 7603
   59
   --
   170
   118
   ---
   523
   472
   ---
   51 ← remainder

```

$$7603 \div 61 = 124 \text{ remainder } 39$$

```

124
61 | 7603
   61
   --
   150
   122
   ---
   283

```

244

 39 ← remainder

$$7603 \div 67 = 113 \text{ remainder } 32$$

113
 67 | 7603
 67
 --
 90
 67
 --
 233
 201

 32 ← remainder

$$7603 \div 71 = 107 \text{ remainder } 6$$

107
 71 | 7603
 71
 --
 50
 0
 -
 503
 497

 6 ← remainder

$$7603 \div 73 = 104 \text{ remainder } 11$$

104
 73 | 7603
 73
 --
 30
 0
 -
 303
 292

11 ← remainder

$$7603 \div 79 = 96 \text{ remainder } 19$$

96

79 | 7603

711

493

474

19 ← remainder

$$7603 \div 83 = 91 \text{ remainder } 50$$

91

83 | 7603

747

133

83

--

50 ← remainder

P₉₆₇ 7607

$$7607 \div 2 = 3803 \text{ remainder } 1$$

$$\begin{array}{r} 3803 \\ 2 \mid 7607 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 0 \\ 0 \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7607 \div 3 = 2535 \text{ remainder } 2$$

$$\begin{array}{r} 2535 \\ 3 \mid 7607 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7607 \div 5 = 1521 \text{ remainder } 2$$

$$\begin{array}{r} 1521 \\ 5 \mid 7607 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
10
10
--
7
5
-
2 ← remainder

```

$$7607 \div 7 = 1086 \text{ remainder } 5$$

```

1086
7 | 7607
  7
  -
  6
  0
  -
  60
  56
  --
  47
  42
  --
  5 ← remainder

```

$$7607 \div 11 = 691 \text{ remainder } 6$$

```

691
11 | 7607
   66
   --
   100
   99
   --
   17
   11
   --
   6 ← remainder

```

$$7607 \div 13 = 585 \text{ remainder } 2$$

585
 13 | 7607
 65
 --
 110
 104

 67
 65
 --
 2 ← remainder

$7607 \div 17 = 447 \text{ remainder } 8$

447
 17 | 7607
 68
 --
 80
 68
 --
 127
 119

 8 ← remainder

$7607 \div 19 = 400 \text{ remainder } 7$

400
 19 | 7607
 76
 --
 0
 0
 -
 7
 0
 -
 7 ← remainder

$7607 \div 23 = 330 \text{ remainder } 17$

330
 23 | 7607

```

69
--
70
69
--
17
0
-
17 ← remainder

```

$$7607 \div 29 = 262 \text{ remainder } 9$$

```

      262
29 | 7607
    58
    --
    180
    174
    ---
     67
     58
     --
      9 ← remainder

```

$$7607 \div 31 = 245 \text{ remainder } 12$$

```

      245
31 | 7607
    62
    --
    140
    124
    ---
    167
    155
    ---
    12 ← remainder

```

$$7607 \div 37 = 205 \text{ remainder } 22$$

```

      205
37 | 7607
    74
    --

```

```

20
0
-
207
185
---
22 ← remainder

```

$$7607 \div 41 = 185 \text{ remainder } 22$$

```

      185
41 | 7607
    41
    --
    350
    328
    ---
    227
    205
    ---
    22 ← remainder

```

$$7607 \div 43 = 176 \text{ remainder } 39$$

```

      176
43 | 7607
    43
    --
    330
    301
    ---
    297
    258
    ---
    39 ← remainder

```

$$7607 \div 47 = 161 \text{ remainder } 40$$

```

      161
47 | 7607
    47
    --
    290
    282

```

```

  ---
  87
  47
  --
  40 ← remainder

```

$$7607 \div 53 = 143 \text{ remainder } 28$$

```

    143
53 | 7607
    53
    --
    230
    212
    ---
    187
    159
    ---
    28 ← remainder

```

$$7607 \div 59 = 128 \text{ remainder } 55$$

```

    128
59 | 7607
    59
    --
    170
    118
    ---
    527
    472
    ---
    55 ← remainder

```

$$7607 \div 61 = 124 \text{ remainder } 43$$

```

    124
61 | 7607
    61
    --
    150
    122
    ---
    287

```

244

43 ← remainder

$$7607 \div 67 = 113 \text{ remainder } 36$$

113

67 | 7607

67

--

90

67

--

237

201

36 ← remainder

$$7607 \div 71 = 107 \text{ remainder } 10$$

107

71 | 7607

71

--

50

0

-

507

497

10 ← remainder

$$7607 \div 73 = 104 \text{ remainder } 15$$

104

73 | 7607

73

--

30

0

-

307

292

15 ← remainder

$$7607 \div 79 = 96 \text{ remainder } 23$$

$$\begin{array}{r} 96 \\ 79 \overline{) 7607} \\ \underline{711} \end{array}$$

497

474

23 ← remainder

$$7607 \div 83 = 91 \text{ remainder } 54$$

$$\begin{array}{r} 91 \\ 83 \overline{) 7607} \\ \underline{747} \end{array}$$

137

83

--

54 ← remainder

P₉₆₈ 7621

$$7621 \div 2 = 3810 \text{ remainder } 1$$

$$\begin{array}{r} 3810 \\ 2 \mid 7621 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 2 \\ \underline{2} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7621 \div 3 = 2540 \text{ remainder } 1$$

$$\begin{array}{r} 2540 \\ 3 \mid 7621 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7621 \div 5 = 1524 \text{ remainder } 1$$

$$\begin{array}{r} 1524 \\ 5 \mid 7621 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
12
10
--
21
20
--
1 ← remainder

```

$$7621 \div 7 = 1088 \text{ remainder } 5$$

```

1088
7 | 7621
  7
  -
  6
  0
  -
  62
  56
  --
  61
  56
  --
  5 ← remainder

```

$$7621 \div 11 = 692 \text{ remainder } 9$$

```

692
11 | 7621
   66
   --
   102
   99
   --
   31
   22
   --
   9 ← remainder

```

$$7621 \div 13 = 586 \text{ remainder } 3$$

$$\begin{array}{r}
 586 \\
 13 \mid 7621 \\
 \underline{65} \\
 112 \\
 \underline{104} \\
 81 \\
 \underline{78} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$7621 \div 17 = 448 \text{ remainder } 5$$

$$\begin{array}{r}
 448 \\
 17 \mid 7621 \\
 \underline{68} \\
 82 \\
 \underline{68} \\
 141 \\
 \underline{136} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7621 \div 19 = 401 \text{ remainder } 2$$

$$\begin{array}{r}
 401 \\
 19 \mid 7621 \\
 \underline{76} \\
 2 \\
 \underline{0} \\
 21 \\
 \underline{19} \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$7621 \div 23 = 331 \text{ remainder } 8$$

$$\begin{array}{r}
 331 \\
 23 \mid 7621
 \end{array}$$

```

69
--
72
69
--
31
23
--
8 ← remainder

```

$$7621 \div 29 = 262 \text{ remainder } 23$$

```

      262
29 | 7621
    58
    --
    182
    174
    ---
     81
     58
     --
     23 ← remainder

```

$$7621 \div 31 = 245 \text{ remainder } 26$$

```

      245
31 | 7621
    62
    --
    142
    124
    ---
     181
     155
     ---
     26 ← remainder

```

$$7621 \div 37 = 205 \text{ remainder } 36$$

```

      205
37 | 7621
    74
    --

```

```

22
0
-
221
185
---
36 ← remainder

```

$$7621 \div 41 = 185 \text{ remainder } 36$$

```

      185
41 | 7621
    41
    --
    352
    328
    ---
    241
    205
    ---
    36 ← remainder

```

$$7621 \div 43 = 177 \text{ remainder } 10$$

```

      177
43 | 7621
    43
    --
    332
    301
    ---
    311
    301
    ---
    10 ← remainder

```

$$7621 \div 47 = 162 \text{ remainder } 7$$

```

      162
47 | 7621
    47
    --
    292
    282

```

```

  ---
 101
 94
  --
 7 ← remainder

```

$$7621 \div 53 = 143 \text{ remainder } 42$$

```

    143
53 | 7621
    53
   --
   232
   212
   ---
   201
   159
   ---
   42 ← remainder

```

$$7621 \div 59 = 129 \text{ remainder } 10$$

```

    129
59 | 7621
    59
   --
   172
   118
   ---
   541
   531
   ---
   10 ← remainder

```

$$7621 \div 61 = 124 \text{ remainder } 57$$

```

    124
61 | 7621
    61
   --
   152
   122
   ---
   301

```

244

 57 ← remainder

$$7621 \div 67 = 113 \text{ remainder } 50$$

113
 67 | 7621
 67
 --
 92
 67
 --
 251
 201

 50 ← remainder

$$7621 \div 71 = 107 \text{ remainder } 24$$

107
 71 | 7621
 71
 --
 52
 0
 -
 521
 497

 24 ← remainder

$$7621 \div 73 = 104 \text{ remainder } 29$$

104
 73 | 7621
 73
 --
 32
 0
 -
 321
 292

29 ← remainder

$$7621 \div 79 = 96 \text{ remainder } 37$$

96
79 | 7621
711

511
474

37 ← remainder

$$7621 \div 83 = 91 \text{ remainder } 68$$

91
83 | 7621
747

151
83
--
68 ← remainder

P₉₆₉ 7639

$$7639 \div 2 = 3819 \text{ remainder } 1$$

$$\begin{array}{r} 3819 \\ 2 \mid 7639 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 3 \\ \underline{2} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7639 \div 3 = 2546 \text{ remainder } 1$$

$$\begin{array}{r} 2546 \\ 3 \mid 7639 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7639 \div 5 = 1527 \text{ remainder } 4$$

$$\begin{array}{r} 1527 \\ 5 \mid 7639 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
13
10
--
39
35
--
4 ← remainder

```

$$7639 \div 7 = 1091 \text{ remainder } 2$$

```

1091
7 | 7639
  7
  -
  6
  0
  -
  63
  63
  --
   9
   7
   -
   2 ← remainder

```

$$7639 \div 11 = 694 \text{ remainder } 5$$

```

694
11 | 7639
   66
   --
   103
   99
   --
    49
    44
    --
    5 ← remainder

```

$$7639 \div 13 = 587 \text{ remainder } 8$$


```

      587
13 | 7639
    65
    --
    113
    104
    ---
     99
     91
     --
      8 ← remainder

```

$$7639 \div 17 = 449 \text{ remainder } 6$$

```

      449
17 | 7639
    68
    --
     83
     68
     --
    159
    153
    ---
     6 ← remainder

```

$$7639 \div 19 = 402 \text{ remainder } 1$$

```

      402
19 | 7639
    76
    --
     3
     0
     -
    39
    38
    --
     1 ← remainder

```

$$7639 \div 23 = 332 \text{ remainder } 3$$

```

      332
23 | 7639

```

```

69
--
73
69
--
49
46
--
3 ← remainder

```

$$7639 \div 29 = 263 \text{ remainder } 12$$

```

      263
29 | 7639
    58
    --
    183
    174
    ---
     99
     87
     --
    12 ← remainder

```

$$7639 \div 31 = 246 \text{ remainder } 13$$

```

      246
31 | 7639
    62
    --
    143
    124
    ---
     199
     186
     ---
    13 ← remainder

```

$$7639 \div 37 = 206 \text{ remainder } 17$$

```

      206
37 | 7639
    74
    --

```

```

23
0
-
239
222
---
17 ← remainder

```

$$7639 \div 41 = 186 \text{ remainder } 13$$

```

186
41 | 7639
   41
   --
   353
   328
   ---
   259
   246
   ---
   13 ← remainder

```

$$7639 \div 43 = 177 \text{ remainder } 28$$

```

177
43 | 7639
   43
   --
   333
   301
   ---
   329
   301
   ---
   28 ← remainder

```

$$7639 \div 47 = 162 \text{ remainder } 25$$

```

162
47 | 7639
   47
   --
   293
   282

```

```

  ---
119
94
  --
25 ← remainder

```

$$7639 \div 53 = 144 \text{ remainder } 7$$

```

  144
53 | 7639
   53
   --
  233
  212
   ---
   219
   212
   ---
    7 ← remainder

```

$$7639 \div 59 = 129 \text{ remainder } 28$$

```

  129
59 | 7639
   59
   --
  173
  118
   ---
  559
  531
   ---
   28 ← remainder

```

$$7639 \div 61 = 125 \text{ remainder } 14$$

```

  125
61 | 7639
   61
   --
  153
  122
   ---
   319

```

305

14 ← remainder

$$7639 \div 67 = 114 \text{ remainder } 1$$

```
      114
67 | 7639
    67
    --
    93
    67
    --
    269
    268
    ---
    1 ← remainder
```

$$7639 \div 71 = 107 \text{ remainder } 42$$

```
      107
71 | 7639
    71
    --
    53
    0
    -
    539
    497
    ---
    42 ← remainder
```

$$7639 \div 73 = 104 \text{ remainder } 47$$

```
      104
73 | 7639
    73
    --
    33
    0
    -
    339
    292
```

47 ← remainder

$$7639 \div 79 = 96 \text{ remainder } 55$$

96
79 | 7639
711

529
474

55 ← remainder

$$7639 \div 83 = 92 \text{ remainder } 3$$

92
83 | 7639
747

169
166

3 ← remainder

P₉₇₀ 7643

$$7643 \div 2 = 3821 \text{ remainder } 1$$

$$\begin{array}{r} 3821 \\ 2 \mid 7643 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 4 \\ \underline{4} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7643 \div 3 = 2547 \text{ remainder } 2$$

$$\begin{array}{r} 2547 \\ 3 \mid 7643 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 14 \\ \underline{12} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7643 \div 5 = 1528 \text{ remainder } 3$$

$$\begin{array}{r} 1528 \\ 5 \mid 7643 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
14
10
--
43
40
--
3 ← remainder

```

$$7643 \div 7 = 1091 \text{ remainder } 6$$

```

1091
7 | 7643
  7
  -
  6
  0
  -
  64
  63
  --
  13
  7
  -
  6 ← remainder

```

$$7643 \div 11 = 694 \text{ remainder } 9$$

```

694
11 | 7643
   66
   --
  104
   99
   --
   53
   44
   --
   9 ← remainder

```

$$7643 \div 13 = 587 \text{ remainder } 12$$


```

      587
13 | 7643
    65
    --
    114
    104
    ---
    103
    91
    --
    12 ← remainder

```

$$7643 \div 17 = 449 \text{ remainder } 10$$

```

      449
17 | 7643
    68
    --
    84
    68
    --
    163
    153
    ---
    10 ← remainder

```

$$7643 \div 19 = 402 \text{ remainder } 5$$

```

      402
19 | 7643
    76
    --
    4
    0
    -
    43
    38
    --
    5 ← remainder

```

$$7643 \div 23 = 332 \text{ remainder } 7$$

```

      332
23 | 7643

```

```

69
--
74
69
--
53
46
--
7 ← remainder

```

$$7643 \div 29 = 263 \text{ remainder } 16$$

```

      263
29 | 7643
    58
    --
    184
    174
    ---
    103
    87
    --
    16 ← remainder

```

$$7643 \div 31 = 246 \text{ remainder } 17$$

```

      246
31 | 7643
    62
    --
    144
    124
    ---
    203
    186
    ---
    17 ← remainder

```

$$7643 \div 37 = 206 \text{ remainder } 21$$

```

      206
37 | 7643
    74
    --

```

```

24
0
-
243
222
---
21 ← remainder

```

$$7643 \div 41 = 186 \text{ remainder } 17$$

```

      186
41 | 7643
    41
    --
    354
    328
    ---
    263
    246
    ---
    17 ← remainder

```

$$7643 \div 43 = 177 \text{ remainder } 32$$

```

      177
43 | 7643
    43
    --
    334
    301
    ---
    333
    301
    ---
    32 ← remainder

```

$$7643 \div 47 = 162 \text{ remainder } 29$$

```

      162
47 | 7643
    47
    --
    294
    282

```

```

---
123
94
--
29 ← remainder

```

$$7643 \div 53 = 144 \text{ remainder } 11$$

```

144
53 | 7643
   53
   --
   234
   212
   ---
   223
   212
   ---
   11 ← remainder

```

$$7643 \div 59 = 129 \text{ remainder } 32$$

```

129
59 | 7643
   59
   --
   174
   118
   ---
   563
   531
   ---
   32 ← remainder

```

$$7643 \div 61 = 125 \text{ remainder } 18$$

```

125
61 | 7643
   61
   --
   154
   122
   ---
   323

```

305

18 ← remainder

$$7643 \div 67 = 114 \text{ remainder } 5$$

```
      114
67 | 7643
    67
    --
    94
    67
    --
    273
    268
    ---
    5 ← remainder
```

$$7643 \div 71 = 107 \text{ remainder } 46$$

```
      107
71 | 7643
    71
    --
    54
    0
    -
    543
    497
    ---
    46 ← remainder
```

$$7643 \div 73 = 104 \text{ remainder } 51$$

```
      104
73 | 7643
    73
    --
    34
    0
    -
    343
    292
```

51 ← remainder

$$7643 \div 79 = 96 \text{ remainder } 59$$

96
79 | 7643
711

533
474

59 ← remainder

$$7643 \div 83 = 92 \text{ remainder } 7$$

92
83 | 7643
747

173
166

7 ← remainder

P₉₇₁ 7649

$$7649 \div 2 = 3824 \text{ remainder } 1$$

$$\begin{array}{r} 3824 \\ 2 \mid 7649 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 4 \\ \underline{4} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7649 \div 3 = 2549 \text{ remainder } 2$$

$$\begin{array}{r} 2549 \\ 3 \mid 7649 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 14 \\ \underline{12} \\ -- \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7649 \div 5 = 1529 \text{ remainder } 4$$

$$\begin{array}{r} 1529 \\ 5 \mid 7649 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
14
10
--
49
45
--
4 ← remainder

```

$$7649 \div 7 = 1092 \text{ remainder } 5$$

```

1092
7 | 7649
  7
  -
  6
  0
  -
  64
  63
  --
  19
  14
  --
  5 ← remainder

```

$$7649 \div 11 = 695 \text{ remainder } 4$$

```

695
11 | 7649
   66
   --
  104
   99
   --
   59
   55
   --
   4 ← remainder

```

$$7649 \div 13 = 588 \text{ remainder } 5$$


```

      588
13 | 7649
    65
    --
    114
    104
    ---
    109
    104
    ---
    5 ← remainder

```

$7649 \div 17 = 449 \text{ remainder } 16$

```

      449
17 | 7649
    68
    --
    84
    68
    --
    169
    153
    ---
    16 ← remainder

```

$7649 \div 19 = 402 \text{ remainder } 11$

```

      402
19 | 7649
    76
    --
    4
    0
    -
    49
    38
    --
    11 ← remainder

```

$7649 \div 23 = 332 \text{ remainder } 13$

```

      332
23 | 7649

```

```

69
--
74
69
--
59
46
--
13 ← remainder

```

$$7649 \div 29 = 263 \text{ remainder } 22$$

```

      263
29 | 7649
    58
    --
    184
    174
    ---
    109
    87
    --
    22 ← remainder

```

$$7649 \div 31 = 246 \text{ remainder } 23$$

```

      246
31 | 7649
    62
    --
    144
    124
    ---
    209
    186
    ---
    23 ← remainder

```

$$7649 \div 37 = 206 \text{ remainder } 27$$

```

      206
37 | 7649
    74
    --

```

```

24
0
-
249
222
---
27 ← remainder

```

$$7649 \div 41 = 186 \text{ remainder } 23$$

```

      186
41 | 7649
    41
    --
    354
    328
    ---
    269
    246
    ---
    23 ← remainder

```

$$7649 \div 43 = 177 \text{ remainder } 38$$

```

      177
43 | 7649
    43
    --
    334
    301
    ---
    339
    301
    ---
    38 ← remainder

```

$$7649 \div 47 = 162 \text{ remainder } 35$$

```

      162
47 | 7649
    47
    --
    294
    282

```

```

---
129
94
--
35 ← remainder

```

$$7649 \div 53 = 144 \text{ remainder } 17$$

```

144
53 | 7649
   53
   --
   234
   212
   ---
   229
   212
   ---
   17 ← remainder

```

$$7649 \div 59 = 129 \text{ remainder } 38$$

```

129
59 | 7649
   59
   --
   174
   118
   ---
   569
   531
   ---
   38 ← remainder

```

$$7649 \div 61 = 125 \text{ remainder } 24$$

```

125
61 | 7649
   61
   --
   154
   122
   ---
   329

```

305

24 ← remainder

$$7649 \div 67 = 114 \text{ remainder } 11$$

```
      114
67 | 7649
    67
    --
    94
    67
    --
    279
    268
    ---
    11 ← remainder
```

$$7649 \div 71 = 107 \text{ remainder } 52$$

```
      107
71 | 7649
    71
    --
    54
    0
    -
    549
    497
    ---
    52 ← remainder
```

$$7649 \div 73 = 104 \text{ remainder } 57$$

```
      104
73 | 7649
    73
    --
    34
    0
    -
    349
    292
```

57 ← remainder

$$7649 \div 79 = 96 \text{ remainder } 65$$

96
79 | 7649
711

539
474

65 ← remainder

$$7649 \div 83 = 92 \text{ remainder } 13$$

92
83 | 7649
747

179
166

13 ← remainder

P₉₇₂ 7669

$$7669 \div 2 = 3834 \text{ remainder } 1$$

$$\begin{array}{r} 3834 \\ 2 \mid 7669 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 6 \\ \underline{6} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7669 \div 3 = 2556 \text{ remainder } 1$$

$$\begin{array}{r} 2556 \\ 3 \mid 7669 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 16 \\ \underline{15} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7669 \div 5 = 1533 \text{ remainder } 4$$

$$\begin{array}{r} 1533 \\ 5 \mid 7669 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
16
15
--
19
15
--
4 ← remainder

```

$$7669 \div 7 = 1095 \text{ remainder } 4$$

```

1095
7 | 7669
  7
  -
  6
  0
  -
  66
  63
  --
  39
  35
  --
  4 ← remainder

```

$$7669 \div 11 = 697 \text{ remainder } 2$$

```

697
11 | 7669
   66
   --
   106
   99
   --
   79
   77
   --
   2 ← remainder

```

$$7669 \div 13 = 589 \text{ remainder } 12$$


```

      589
13 | 7669
    65
    --
    116
    104
    ---
    129
    117
    ---
    12 ← remainder

```

$7669 \div 17 = 451 \text{ remainder } 2$

```

      451
17 | 7669
    68
    --
    86
    85
    --
    19
    17
    --
    2 ← remainder

```

$7669 \div 19 = 403 \text{ remainder } 12$

```

      403
19 | 7669
    76
    --
    6
    0
    -
    69
    57
    --
    12 ← remainder

```

$7669 \div 23 = 333 \text{ remainder } 10$

```

      333
23 | 7669

```

```

69
--
76
69
--
79
69
--
10 ← remainder

```

$$7669 \div 29 = 264 \text{ remainder } 13$$

```

      264
29 | 7669
    58
    --
    186
    174
    ---
    129
    116
    ---
    13 ← remainder

```

$$7669 \div 31 = 247 \text{ remainder } 12$$

```

      247
31 | 7669
    62
    --
    146
    124
    ---
    229
    217
    ---
    12 ← remainder

```

$$7669 \div 37 = 207 \text{ remainder } 10$$

```

      207
37 | 7669
    74
    --

```

```

26
0
-
269
259
---
10 ← remainder

```

$$7669 \div 41 = 187 \text{ remainder } 2$$

```

      187
41 | 7669
    41
    --
    356
    328
    ---
    289
    287
    ---
    2 ← remainder

```

$$7669 \div 43 = 178 \text{ remainder } 15$$

```

      178
43 | 7669
    43
    --
    336
    301
    ---
    359
    344
    ---
    15 ← remainder

```

$$7669 \div 47 = 163 \text{ remainder } 8$$

```

      163
47 | 7669
    47
    --
    296
    282

```

```

  ---
149
141
  ---
8 ← remainder

```

$$7669 \div 53 = 144 \text{ remainder } 37$$

```

    144
53 | 7669
    53
    --
    236
    212
    ---
    249
    212
    ---
    37 ← remainder

```

$$7669 \div 59 = 129 \text{ remainder } 58$$

```

    129
59 | 7669
    59
    --
    176
    118
    ---
    589
    531
    ---
    58 ← remainder

```

$$7669 \div 61 = 125 \text{ remainder } 44$$

```

    125
61 | 7669
    61
    --
    156
    122
    ---
    349

```

305

44 ← remainder

$$7669 \div 67 = 114 \text{ remainder } 31$$

114

67 | 7669

67

--

96

67

--

299

268

31 ← remainder

$$7669 \div 71 = 108 \text{ remainder } 1$$

108

71 | 7669

71

--

56

0

-

569

568

1 ← remainder

$$7669 \div 73 = 105 \text{ remainder } 4$$

105

73 | 7669

73

--

36

0

-

369

365

4 ← remainder

$$7669 \div 79 = 97 \text{ remainder } 6$$

97
79 | 7669
711

559
553

6 ← remainder

$$7669 \div 83 = 92 \text{ remainder } 33$$

92
83 | 7669
747

199
166

33 ← remainder

P₉₇₃ 7673

$$7673 \div 2 = 3836 \text{ remainder } 1$$

$$\begin{array}{r} 3836 \\ 2 \mid 7673 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 7 \\ \underline{6} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7673 \div 3 = 2557 \text{ remainder } 2$$

$$\begin{array}{r} 2557 \\ 3 \mid 7673 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7673 \div 5 = 1534 \text{ remainder } 3$$

$$\begin{array}{r} 1534 \\ 5 \mid 7673 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
17
15
--
23
20
--
3 ← remainder

```

$$7673 \div 7 = 1096 \text{ remainder } 1$$

```

1096
7 | 7673
  7
  -
  6
  0
  -
  67
  63
  --
  43
  42
  --
  1 ← remainder

```

$$7673 \div 11 = 697 \text{ remainder } 6$$

```

697
11 | 7673
   66
   --
   107
   99
   --
   83
   77
   --
   6 ← remainder

```

$$7673 \div 13 = 590 \text{ remainder } 3$$


```

      590
13 | 7673
    65
    --
    117
    117
    ---
     3
     0
     -
     3 ← remainder

```

$7673 \div 17 = 451 \text{ remainder } 6$

```

      451
17 | 7673
    68
    --
    87
    85
    --
    23
    17
    --
     6 ← remainder

```

$7673 \div 19 = 403 \text{ remainder } 16$

```

      403
19 | 7673
    76
    --
     7
     0
     -
     73
     57
     --
    16 ← remainder

```

$7673 \div 23 = 333 \text{ remainder } 14$

```

      333
23 | 7673

```

```

69
--
77
69
--
83
69
--
14 ← remainder

```

$$7673 \div 29 = 264 \text{ remainder } 17$$

```

      264
29 | 7673
    58
    --
    187
    174
    ---
    133
    116
    ---
    17 ← remainder

```

$$7673 \div 31 = 247 \text{ remainder } 16$$

```

      247
31 | 7673
    62
    --
    147
    124
    ---
    233
    217
    ---
    16 ← remainder

```

$$7673 \div 37 = 207 \text{ remainder } 14$$

```

      207
37 | 7673
    74
    --

```

```

27
0
-
273
259
---
14 ← remainder

```

$$7673 \div 41 = 187 \text{ remainder } 6$$

```

      187
41 | 7673
    41
    --
    357
    328
    ---
    293
    287
    ---
    6 ← remainder

```

$$7673 \div 43 = 178 \text{ remainder } 19$$

```

      178
43 | 7673
    43
    --
    337
    301
    ---
    363
    344
    ---
    19 ← remainder

```

$$7673 \div 47 = 163 \text{ remainder } 12$$

```

      163
47 | 7673
    47
    --
    297
    282

```

```

---
153
141
---
12 ← remainder

```

$$7673 \div 53 = 144 \text{ remainder } 41$$

```

144
53 | 7673
   53
   --
   237
   212
   ---
   253
   212
   ---
   41 ← remainder

```

$$7673 \div 59 = 130 \text{ remainder } 3$$

```

130
59 | 7673
   59
   --
   177
   177
   ---
   3
   0
   -
   3 ← remainder

```

$$7673 \div 61 = 125 \text{ remainder } 48$$

```

125
61 | 7673
   61
   --
   157
   122
   ---
   353

```

305

48 ← remainder

$$7673 \div 67 = 114 \text{ remainder } 35$$

114

67 | 7673

67

--

97

67

--

303

268

35 ← remainder

$$7673 \div 71 = 108 \text{ remainder } 5$$

108

71 | 7673

71

--

57

0

-

573

568

5 ← remainder

$$7673 \div 73 = 105 \text{ remainder } 8$$

105

73 | 7673

73

--

37

0

-

373

365

8 ← remainder

$$7673 \div 79 = 97 \text{ remainder } 10$$

97
79 | 7673
711

563
553

10 ← remainder

$$7673 \div 83 = 92 \text{ remainder } 37$$

92
83 | 7673
747

203
166

37 ← remainder

P₉₇₄ 7681

$$7681 \div 2 = 3840 \text{ remainder } 1$$

$$\begin{array}{r} 3840 \\ 2 \mid 7681 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 8 \\ \underline{8} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7681 \div 3 = 2560 \text{ remainder } 1$$

$$\begin{array}{r} 2560 \\ 3 \mid 7681 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 18 \\ \underline{18} \\ -- \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7681 \div 5 = 1536 \text{ remainder } 1$$

$$\begin{array}{r} 1536 \\ 5 \mid 7681 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
18
15
--
31
30
--
1 ← remainder

```

$$7681 \div 7 = 1097 \text{ remainder } 2$$

```

1097
7 | 7681
  7
  -
  6
  0
  -
  68
  63
  --
  51
  49
  --
  2 ← remainder

```

$$7681 \div 11 = 698 \text{ remainder } 3$$

```

698
11 | 7681
   66
   --
   108
   99
   --
   91
   88
   --
   3 ← remainder

```

$$7681 \div 13 = 590 \text{ remainder } 11$$

$$\begin{array}{r}
 590 \\
 13 \mid 7681 \\
 \underline{65} \\
 118 \\
 \underline{117} \\
 11 \\
 \underline{0} \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 17 = 451 \text{ remainder } 14$$

$$\begin{array}{r}
 451 \\
 17 \mid 7681 \\
 \underline{68} \\
 88 \\
 \underline{85} \\
 31 \\
 \underline{17} \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 19 = 404 \text{ remainder } 5$$

$$\begin{array}{r}
 404 \\
 19 \mid 7681 \\
 \underline{76} \\
 8 \\
 \underline{0} \\
 81 \\
 \underline{76} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7681 \div 23 = 333 \text{ remainder } 22$$

$$\begin{array}{r}
 333 \\
 23 \mid 7681
 \end{array}$$

```

69
--
78
69
--
91
69
--
22 ← remainder

```

$$7681 \div 29 = 264 \text{ remainder } 25$$

```

      264
29 | 7681
    58
    --
    188
    174
    ---
    141
    116
    ---
    25 ← remainder

```

$$7681 \div 31 = 247 \text{ remainder } 24$$

```

      247
31 | 7681
    62
    --
    148
    124
    ---
    241
    217
    ---
    24 ← remainder

```

$$7681 \div 37 = 207 \text{ remainder } 22$$

```

      207
37 | 7681
    74
    --

```

```

28
0
-
281
259
---
22 ← remainder

```

$$7681 \div 41 = 187 \text{ remainder } 14$$

```

187
41 | 7681
   41
   --
   358
   328
   ---
   301
   287
   ---
   14 ← remainder

```

$$7681 \div 43 = 178 \text{ remainder } 27$$

```

178
43 | 7681
   43
   --
   338
   301
   ---
   371
   344
   ---
   27 ← remainder

```

$$7681 \div 47 = 163 \text{ remainder } 20$$

```

163
47 | 7681
   47
   --
   298
   282

```

```

  ---
 161
 141
  ---
 20 ← remainder

```

$$7681 \div 53 = 144 \text{ remainder } 49$$

```

    144
53 | 7681
    53
   --
   238
   212
   ---
   261
   212
   ---
   49 ← remainder

```

$$7681 \div 59 = 130 \text{ remainder } 11$$

```

    130
59 | 7681
    59
   --
   178
   177
   ---
    11
    0
    -
    11 ← remainder

```

$$7681 \div 61 = 125 \text{ remainder } 56$$

```

    125
61 | 7681
    61
   --
   158
   122
   ---
   361

```

305

56 ← remainder

$$7681 \div 67 = 114 \text{ remainder } 43$$

114

67 | 7681

67

--

98

67

--

311

268

43 ← remainder

$$7681 \div 71 = 108 \text{ remainder } 13$$

108

71 | 7681

71

--

58

0

-

581

568

13 ← remainder

$$7681 \div 73 = 105 \text{ remainder } 16$$

105

73 | 7681

73

--

38

0

-

381

365

16 ← remainder

$$7681 \div 79 = 97 \text{ remainder } 18$$

97

79 | 7681

711

571

553

18 ← remainder

$$7681 \div 83 = 92 \text{ remainder } 45$$

92

83 | 7681

747

211

166

45 ← remainder

P₉₇₅ 7687

$$7687 \div 2 = 3843 \text{ remainder } 1$$

$$\begin{array}{r} 3843 \\ 2 \mid 7687 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 8 \\ \underline{8} \\ - \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7687 \div 3 = 2562 \text{ remainder } 1$$

$$\begin{array}{r} 2562 \\ 3 \mid 7687 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7687 \div 5 = 1537 \text{ remainder } 2$$

$$\begin{array}{r} 1537 \\ 5 \mid 7687 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
18
15
--
37
35
--
2 ← remainder

```

$$7687 \div 7 = 1098 \text{ remainder } 1$$

```

1098
7 | 7687
  7
  -
  6
  0
  -
  68
  63
  --
  57
  56
  --
  1 ← remainder

```

$$7687 \div 11 = 698 \text{ remainder } 9$$

```

698
11 | 7687
   66
   --
   108
   99
   --
   97
   88
   --
   9 ← remainder

```

$$7687 \div 13 = 591 \text{ remainder } 4$$


```

      591
13 | 7687
    65
    --
    118
    117
    ---
    17
    13
    --
    4 ← remainder

```

$$7687 \div 17 = 452 \text{ remainder } 3$$

```

      452
17 | 7687
    68
    --
    88
    85
    --
    37
    34
    --
    3 ← remainder

```

$$7687 \div 19 = 404 \text{ remainder } 11$$

```

      404
19 | 7687
    76
    --
    8
    0
    -
    87
    76
    --
    11 ← remainder

```

$$7687 \div 23 = 334 \text{ remainder } 5$$

```

      334
23 | 7687

```

```

69
--
78
69
--
97
92
--
5 ← remainder

```

$$7687 \div 29 = 265 \text{ remainder } 2$$

```

      265
29 | 7687
    58
    --
    188
    174
    ---
    147
    145
    ---
    2 ← remainder

```

$$7687 \div 31 = 247 \text{ remainder } 30$$

```

      247
31 | 7687
    62
    --
    148
    124
    ---
    247
    217
    ---
    30 ← remainder

```

$$7687 \div 37 = 207 \text{ remainder } 28$$

```

      207
37 | 7687
    74
    --

```

```

28
0
-
287
259
---
28 ← remainder

```

$$7687 \div 41 = 187 \text{ remainder } 20$$

```

      187
41 | 7687
    41
    --
    358
    328
    ---
    307
    287
    ---
    20 ← remainder

```

$$7687 \div 43 = 178 \text{ remainder } 33$$

```

      178
43 | 7687
    43
    --
    338
    301
    ---
    377
    344
    ---
    33 ← remainder

```

$$7687 \div 47 = 163 \text{ remainder } 26$$

```

      163
47 | 7687
    47
    --
    298
    282

```

```

---
167
141
---
26 ← remainder

```

$$7687 \div 53 = 145 \text{ remainder } 2$$

```

145
53 | 7687
   53
   --
   238
   212
   ---
   267
   265
   ---
   2 ← remainder

```

$$7687 \div 59 = 130 \text{ remainder } 17$$

```

130
59 | 7687
   59
   --
   178
   177
   ---
   17
   0
   -
   17 ← remainder

```

$$7687 \div 61 = 126 \text{ remainder } 1$$

```

126
61 | 7687
   61
   --
   158
   122
   ---
   367

```

366

1 ← remainder

$$7687 \div 67 = 114 \text{ remainder } 49$$

```
      114
67 | 7687
    67
    --
    98
    67
    --
    317
    268
    ---
    49 ← remainder
```

$$7687 \div 71 = 108 \text{ remainder } 19$$

```
      108
71 | 7687
    71
    --
    58
    0
    -
    587
    568
    ---
    19 ← remainder
```

$$7687 \div 73 = 105 \text{ remainder } 22$$

```
      105
73 | 7687
    73
    --
    38
    0
    -
    387
    365
```

22 ← remainder

$$7687 \div 79 = 97 \text{ remainder } 24$$

97
79 | 7687
711

577
553

24 ← remainder

$$7687 \div 83 = 92 \text{ remainder } 51$$

92
83 | 7687
747

217
166

51 ← remainder

P₉₇₆ 7691

$$7691 \div 2 = 3845 \text{ remainder } 1$$

$$\begin{array}{r} 3845 \\ 2 \mid 7691 \\ \underline{6} \\ - \\ 16 \\ \underline{16} \\ -- \\ 9 \\ \underline{8} \\ - \\ 11 \\ \underline{10} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7691 \div 3 = 2563 \text{ remainder } 2$$

$$\begin{array}{r} 2563 \\ 3 \mid 7691 \\ \underline{6} \\ - \\ 16 \\ \underline{15} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7691 \div 5 = 1538 \text{ remainder } 1$$

$$\begin{array}{r} 1538 \\ 5 \mid 7691 \\ \underline{5} \\ - \end{array}$$

```

26
25
--
19
15
--
41
40
--
1 ← remainder

```

$$7691 \div 7 = 1098 \text{ remainder } 5$$

```

1098
7 | 7691
  7
  -
  6
  0
  -
  69
  63
  --
  61
  56
  --
  5 ← remainder

```

$$7691 \div 11 = 699 \text{ remainder } 2$$

```

699
11 | 7691
   66
   --
   109
   99
   --
   101
   99
   --
   2 ← remainder

```

$$7691 \div 13 = 591 \text{ remainder } 8$$


```

      591
13 | 7691
    65
    --
    119
    117
    ---
    21
    13
    --
    8 ← remainder

```

$$7691 \div 17 = 452 \text{ remainder } 7$$

```

      452
17 | 7691
    68
    --
    89
    85
    --
    41
    34
    --
    7 ← remainder

```

$$7691 \div 19 = 404 \text{ remainder } 15$$

```

      404
19 | 7691
    76
    --
    9
    0
    -
    91
    76
    --
    15 ← remainder

```

$$7691 \div 23 = 334 \text{ remainder } 9$$

```

      334
23 | 7691

```

```

69
--
79
69
--
101
92
--
9 ← remainder

```

$$7691 \div 29 = 265 \text{ remainder } 6$$

```

      265
29 | 7691
    58
    --
    189
    174
    ---
    151
    145
    ---
    6 ← remainder

```

$$7691 \div 31 = 248 \text{ remainder } 3$$

```

      248
31 | 7691
    62
    --
    149
    124
    ---
    251
    248
    ---
    3 ← remainder

```

$$7691 \div 37 = 207 \text{ remainder } 32$$

```

      207
37 | 7691
    74
    --

```

```

29
0
-
291
259
---
32 ← remainder

```

$$7691 \div 41 = 187 \text{ remainder } 24$$

```

      187
41 | 7691
    41
    --
    359
    328
    ---
    311
    287
    ---
    24 ← remainder

```

$$7691 \div 43 = 178 \text{ remainder } 37$$

```

      178
43 | 7691
    43
    --
    339
    301
    ---
    381
    344
    ---
    37 ← remainder

```

$$7691 \div 47 = 163 \text{ remainder } 30$$

```

      163
47 | 7691
    47
    --
    299
    282

```

```

  ---
 171
 141
  ---
 30 ← remainder

```

$$7691 \div 53 = 145 \text{ remainder } 6$$

```

    145
53 | 7691
    53
   --
   239
   212
   ---
   271
   265
   ---
    6 ← remainder

```

$$7691 \div 59 = 130 \text{ remainder } 21$$

```

    130
59 | 7691
    59
   --
   179
   177
   ---
    21
    0
    -
    21 ← remainder

```

$$7691 \div 61 = 126 \text{ remainder } 5$$

```

    126
61 | 7691
    61
   --
   159
   122
   ---
   371

```

366

5 ← remainder

$$7691 \div 67 = 114 \text{ remainder } 53$$

114

67 | 7691

67

--

99

67

--

321

268

53 ← remainder

$$7691 \div 71 = 108 \text{ remainder } 23$$

108

71 | 7691

71

--

59

0

-

591

568

23 ← remainder

$$7691 \div 73 = 105 \text{ remainder } 26$$

105

73 | 7691

73

--

39

0

-

391

365

26 ← remainder

$$7691 \div 79 = 97 \text{ remainder } 28$$

97
79 | 7691
711

581
553

28 ← remainder

$$7691 \div 83 = 92 \text{ remainder } 55$$

92
83 | 7691
747

221
166

55 ← remainder

P₉₇₇ 7699

$$7699 \div 2 = 3849 \text{ remainder } 1$$

$$\begin{array}{r} 3849 \\ 2 \mid 7699 \\ 6 \\ - \\ 16 \\ 16 \\ - - \\ 9 \\ 8 \\ - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7699 \div 3 = 2566 \text{ remainder } 1$$

$$\begin{array}{r} 2566 \\ 3 \mid 7699 \\ 6 \\ - \\ 16 \\ 15 \\ - - \\ 19 \\ 18 \\ - - \\ 19 \\ 18 \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7699 \div 5 = 1539 \text{ remainder } 4$$

$$\begin{array}{r} 1539 \\ 5 \mid 7699 \\ 5 \\ - \end{array}$$

```

26
25
--
19
15
--
49
45
--
4 ← remainder

```

$$7699 \div 7 = 1099 \text{ remainder } 6$$

```

1099
7 | 7699
  7
  -
  6
  0
  -
  69
  63
  --
  69
  63
  --
  6 ← remainder

```

$$7699 \div 11 = 699 \text{ remainder } 10$$

```

699
11 | 7699
   66
   --
   109
   99
   --
   109
   99
   --
  10 ← remainder

```

$$7699 \div 13 = 592 \text{ remainder } 3$$


```

      592
13 | 7699
    65
    --
    119
    117
    ---
    29
    26
    --
    3 ← remainder

```

$7699 \div 17 = 452 \text{ remainder } 15$

```

      452
17 | 7699
    68
    --
    89
    85
    --
    49
    34
    --
    15 ← remainder

```

$7699 \div 19 = 405 \text{ remainder } 4$

```

      405
19 | 7699
    76
    --
    9
    0
    -
    99
    95
    --
    4 ← remainder

```

$7699 \div 23 = 334 \text{ remainder } 17$

```

      334
23 | 7699

```

```

69
--
79
69
--
109
92
--
17 ← remainder

```

$$7699 \div 29 = 265 \text{ remainder } 14$$

```

      265
29 | 7699
    58
    --
    189
    174
    ---
    159
    145
    ---
    14 ← remainder

```

$$7699 \div 31 = 248 \text{ remainder } 11$$

```

      248
31 | 7699
    62
    --
    149
    124
    ---
    259
    248
    ---
    11 ← remainder

```

$$7699 \div 37 = 208 \text{ remainder } 3$$

```

      208
37 | 7699
    74
    --

```

```

29
0
-
299
296
---
3 ← remainder

```

$$7699 \div 41 = 187 \text{ remainder } 32$$

```

      187
41 | 7699
    41
    --
    359
    328
    ---
    319
    287
    ---
    32 ← remainder

```

$$7699 \div 43 = 179 \text{ remainder } 2$$

```

      179
43 | 7699
    43
    --
    339
    301
    ---
    389
    387
    ---
    2 ← remainder

```

$$7699 \div 47 = 163 \text{ remainder } 38$$

```

      163
47 | 7699
    47
    --
    299
    282

```

```

  ---
179
141
  ---
38 ← remainder

```

$$7699 \div 53 = 145 \text{ remainder } 14$$

```

    145
53 | 7699
    53
    --
    239
    212
    ---
    279
    265
    ---
    14 ← remainder

```

$$7699 \div 59 = 130 \text{ remainder } 29$$

```

    130
59 | 7699
    59
    --
    179
    177
    ---
    29
    0
    -
    29 ← remainder

```

$$7699 \div 61 = 126 \text{ remainder } 13$$

```

    126
61 | 7699
    61
    --
    159
    122
    ---
    379

```

366

13 ← remainder

$$7699 \div 67 = 114 \text{ remainder } 61$$

```
      114
67 | 7699
    67
    --
    99
    67
    --
    329
    268
    ---
    61 ← remainder
```

$$7699 \div 71 = 108 \text{ remainder } 31$$

```
      108
71 | 7699
    71
    --
    59
    0
    -
    599
    568
    ---
    31 ← remainder
```

$$7699 \div 73 = 105 \text{ remainder } 34$$

```
      105
73 | 7699
    73
    --
    39
    0
    -
    399
    365
```

34 ← remainder

$$7699 \div 79 = 97 \text{ remainder } 36$$

97
79 | 7699
711

589
553

36 ← remainder

$$7699 \div 83 = 92 \text{ remainder } 63$$

92
83 | 7699
747

229
166

63 ← remainder

P₉₇₈ 7703

$$7703 \div 2 = 3851 \text{ remainder } 1$$

$$\begin{array}{r} 3851 \\ 2 \mid 7703 \\ \underline{6} \\ 17 \\ \underline{16} \\ 10 \\ \underline{10} \\ 3 \\ \underline{2} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7703 \div 3 = 2567 \text{ remainder } 2$$

$$\begin{array}{r} 2567 \\ 3 \mid 7703 \\ \underline{6} \\ 17 \\ \underline{15} \\ 20 \\ \underline{18} \\ 23 \\ \underline{21} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7703 \div 5 = 1540 \text{ remainder } 3$$

$$\begin{array}{r} 1540 \\ 5 \mid 7703 \\ \underline{5} \\ - \end{array}$$

```

27
25
--
20
20
--
3
0
-
3 ← remainder

```

$$7703 \div 7 = 1100 \text{ remainder } 3$$

```

1100
7 | 7703
  7
  -
  7
  7
  -
  0
  0
  -
  3
  0
  -
  3 ← remainder

```

$$7703 \div 11 = 700 \text{ remainder } 3$$

```

700
11 | 7703
   77
   --
   0
   0
   -
   3
   0
   -
   3 ← remainder

```

$$7703 \div 13 = 592 \text{ remainder } 7$$


```

      592
13 | 7703
    65
    --
    120
    117
    ---
    33
    26
    --
    7 ← remainder

```

$$7703 \div 17 = 453 \text{ remainder } 2$$

```

      453
17 | 7703
    68
    --
    90
    85
    --
    53
    51
    --
    2 ← remainder

```

$$7703 \div 19 = 405 \text{ remainder } 8$$

```

      405
19 | 7703
    76
    --
    10
    0
    -
    103
    95
    --
    8 ← remainder

```

$$7703 \div 23 = 334 \text{ remainder } 21$$

```

      334
23 | 7703

```

```

69
--
80
69
--
113
92
--
21 ← remainder

```

$$7703 \div 29 = 265 \text{ remainder } 18$$

```

      265
29 | 7703
    58
    --
    190
    174
    ---
    163
    145
    ---
    18 ← remainder

```

$$7703 \div 31 = 248 \text{ remainder } 15$$

```

      248
31 | 7703
    62
    --
    150
    124
    ---
    263
    248
    ---
    15 ← remainder

```

$$7703 \div 37 = 208 \text{ remainder } 7$$

```

      208
37 | 7703
    74
    --

```

```

30
0
-
303
296
---
7 ← remainder

```

$$7703 \div 41 = 187 \text{ remainder } 36$$

```

187
41 | 7703
   41
   --
   360
   328
   ---
   323
   287
   ---
   36 ← remainder

```

$$7703 \div 43 = 179 \text{ remainder } 6$$

```

179
43 | 7703
   43
   --
   340
   301
   ---
   393
   387
   ---
   6 ← remainder

```

$$7703 \div 47 = 163 \text{ remainder } 42$$

```

163
47 | 7703
   47
   --
   300
   282

```

```

---
183
141
---
42 ← remainder

```

$$7703 \div 53 = 145 \text{ remainder } 18$$

```

145
53 | 7703
   53
   --
   240
   212
   ---
   283
   265
   ---
   18 ← remainder

```

$$7703 \div 59 = 130 \text{ remainder } 33$$

```

130
59 | 7703
   59
   --
   180
   177
   ---
   33
   0
   -
   33 ← remainder

```

$$7703 \div 61 = 126 \text{ remainder } 17$$

```

126
61 | 7703
   61
   --
   160
   122
   ---
   383

```

366

17 ← remainder

$$7703 \div 67 = 114 \text{ remainder } 65$$

114
67 | 7703
67

--

100

67

--

333

268

65 ← remainder

$$7703 \div 71 = 108 \text{ remainder } 35$$

108
71 | 7703
71

--

60

0

-

603

568

35 ← remainder

$$7703 \div 73 = 105 \text{ remainder } 38$$

105
73 | 7703
73

--

40

0

-

403

365

38 ← remainder

$$7703 \div 79 = 97 \text{ remainder } 40$$

97
79 | 7703
711

593
553

40 ← remainder

$$7703 \div 83 = 92 \text{ remainder } 67$$

92
83 | 7703
747

233
166

67 ← remainder

P₉₇₉ 7717

$$7717 \div 2 = 3858 \text{ remainder } 1$$

$$\begin{array}{r} 3858 \\ 2 \mid 7717 \\ \underline{6} \\ 17 \\ \underline{16} \\ 11 \\ \underline{10} \\ 1 \\ \underline{1} \\ 0 \end{array}$$

1 ← remainder

$$7717 \div 3 = 2572 \text{ remainder } 1$$

$$\begin{array}{r} 2572 \\ 3 \mid 7717 \\ \underline{6} \\ 17 \\ \underline{15} \\ 21 \\ \underline{21} \\ 0 \end{array}$$

1 ← remainder

$$7717 \div 5 = 1543 \text{ remainder } 2$$

$$\begin{array}{r} 1543 \\ 5 \mid 7717 \\ \underline{5} \\ 2 \end{array}$$

```

27
25
--
21
20
--
17
15
--
2 ← remainder

```

$$7717 \div 7 = 1102 \text{ remainder } 3$$

```

  1102
7 | 7717
  7
  -
  7
  7
  -
  1
  0
  -
  17
 14
  --
  3 ← remainder

```

$$7717 \div 11 = 701 \text{ remainder } 6$$

```

  701
11 | 7717
   77
   --
   1
   0
   -
   17
  11
  --
  6 ← remainder

```

$$7717 \div 13 = 593 \text{ remainder } 8$$


```

      593
13 | 7717
    65
    --
    121
    117
    ---
    47
    39
    --
    8 ← remainder

```

$7717 \div 17 = 453 \text{ remainder } 16$

```

      453
17 | 7717
    68
    --
    91
    85
    --
    67
    51
    --
    16 ← remainder

```

$7717 \div 19 = 406 \text{ remainder } 3$

```

      406
19 | 7717
    76
    --
    11
    0
    -
    117
    114
    ---
    3 ← remainder

```

$7717 \div 23 = 335 \text{ remainder } 12$

```

      335
23 | 7717

```

```

69
--
81
69
--
127
115
---
12 ← remainder

```

$$7717 \div 29 = 266 \text{ remainder } 3$$

```

      266
29 | 7717
    58
    --
    191
    174
    ---
    177
    174
    ---
    3 ← remainder

```

$$7717 \div 31 = 248 \text{ remainder } 29$$

```

      248
31 | 7717
    62
    --
    151
    124
    ---
    277
    248
    ---
    29 ← remainder

```

$$7717 \div 37 = 208 \text{ remainder } 21$$

```

      208
37 | 7717
    74
    --

```

```

31
0
-
317
296
---
21 ← remainder

```

$$7717 \div 41 = 188 \text{ remainder } 9$$

```

188
41 | 7717
   41
   --
   361
   328
   ---
   337
   328
   ---
   9 ← remainder

```

$$7717 \div 43 = 179 \text{ remainder } 20$$

```

179
43 | 7717
   43
   --
   341
   301
   ---
   407
   387
   ---
   20 ← remainder

```

$$7717 \div 47 = 164 \text{ remainder } 9$$

```

164
47 | 7717
   47
   --
   301
   282

```

```

  ---
197
188
  ---
9 ← remainder

```

$$7717 \div 53 = 145 \text{ remainder } 32$$

```

    145
53 | 7717
    53
    --
    241
    212
    ---
    297
    265
    ---
    32 ← remainder

```

$$7717 \div 59 = 130 \text{ remainder } 47$$

```

    130
59 | 7717
    59
    --
    181
    177
    ---
    47
    0
    -
    47 ← remainder

```

$$7717 \div 61 = 126 \text{ remainder } 31$$

```

    126
61 | 7717
    61
    --
    161
    122
    ---
    397

```

366

31 ← remainder

$$7717 \div 67 = 115 \text{ remainder } 12$$

115

67 | 7717

67

--

101

67

--

347

335

12 ← remainder

$$7717 \div 71 = 108 \text{ remainder } 49$$

108

71 | 7717

71

--

61

0

-

617

568

49 ← remainder

$$7717 \div 73 = 105 \text{ remainder } 52$$

105

73 | 7717

73

--

41

0

-

417

365

52 ← remainder

$$7717 \div 79 = 97 \text{ remainder } 54$$

97
79 | 7717
711

607
553

54 ← remainder

$$7717 \div 83 = 92 \text{ remainder } 81$$

92
83 | 7717
747

247
166

81 ← remainder

P₉₈₀ 7723

$$7723 \div 2 = 3861 \text{ remainder } 1$$

$$\begin{array}{r} 3861 \\ 2 \mid 7723 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7723 \div 3 = 2574 \text{ remainder } 1$$

$$\begin{array}{r} 2574 \\ 3 \mid 7723 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7723 \div 5 = 1544 \text{ remainder } 3$$

$$\begin{array}{r} 1544 \\ 5 \mid 7723 \\ \underline{5} \\ - \end{array}$$

```

27
25
--
22
20
--
23
20
--
3 ← remainder

```

$$7723 \div 7 = 1103 \text{ remainder } 2$$

```

    1103
7 | 7723
  7
  -
  7
  7
  -
  2
  0
  -
  23
  21
  --
  2 ← remainder

```

$$7723 \div 11 = 702 \text{ remainder } 1$$

```

    702
11 | 7723
   77
   --
    2
    0
    -
    23
    22
    --
    1 ← remainder

```

$$7723 \div 13 = 594 \text{ remainder } 1$$

$$\begin{array}{r}
 594 \\
 13 \overline{) 7723} \\
 \underline{65} \\
 122 \\
 \underline{117} \\
 53 \\
 \underline{52} \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7723 \div 17 = 454 \text{ remainder } 5$$

$$\begin{array}{r}
 454 \\
 17 \overline{) 7723} \\
 \underline{68} \\
 92 \\
 \underline{85} \\
 73 \\
 \underline{68} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7723 \div 19 = 406 \text{ remainder } 9$$

$$\begin{array}{r}
 406 \\
 19 \overline{) 7723} \\
 \underline{76} \\
 12 \\
 \underline{0} \\
 123 \\
 \underline{114} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$7723 \div 23 = 335 \text{ remainder } 18$$

$$\begin{array}{r}
 335 \\
 23 \overline{) 7723}
 \end{array}$$

```

69
--
82
69
--
133
115
---
18 ← remainder

```

$$7723 \div 29 = 266 \text{ remainder } 9$$

```

      266
29 | 7723
    58
    --
    192
    174
    ---
    183
    174
    ---
    9 ← remainder

```

$$7723 \div 31 = 249 \text{ remainder } 4$$

```

      249
31 | 7723
    62
    --
    152
    124
    ---
    283
    279
    ---
    4 ← remainder

```

$$7723 \div 37 = 208 \text{ remainder } 27$$

```

      208
37 | 7723
    74
    --

```

```

32
0
-
323
296
---
27 ← remainder

```

$$7723 \div 41 = 188 \text{ remainder } 15$$

```

188
41 | 7723
    41
    --
    362
    328
    ---
    343
    328
    ---
    15 ← remainder

```

$$7723 \div 43 = 179 \text{ remainder } 26$$

```

179
43 | 7723
    43
    --
    342
    301
    ---
    413
    387
    ---
    26 ← remainder

```

$$7723 \div 47 = 164 \text{ remainder } 15$$

```

164
47 | 7723
    47
    --
    302
    282

```

```

  ---
203
188
  ---
15 ← remainder

```

$$7723 \div 53 = 145 \text{ remainder } 38$$

```

  145
53 | 7723
   53
   --
   242
   212
   ---
   303
   265
   ---
   38 ← remainder

```

$$7723 \div 59 = 130 \text{ remainder } 53$$

```

  130
59 | 7723
   59
   --
   182
   177
   ---
   53
   0
   -
   53 ← remainder

```

$$7723 \div 61 = 126 \text{ remainder } 37$$

```

  126
61 | 7723
   61
   --
   162
   122
   ---
   403

```

366

37 ← remainder

$$7723 \div 67 = 115 \text{ remainder } 18$$

115
67 | 7723

67

--

102

67

--

353

335

18 ← remainder

$$7723 \div 71 = 108 \text{ remainder } 55$$

108
71 | 7723

71

--

62

0

-

623

568

55 ← remainder

$$7723 \div 73 = 105 \text{ remainder } 58$$

105
73 | 7723

73

--

42

0

-

423

365

58 ← remainder

$$7723 \div 79 = 97 \text{ remainder } 60$$

97
79 | 7723
711

613
553

60 ← remainder

$$7723 \div 83 = 93 \text{ remainder } 4$$

93
83 | 7723
747

253
249

4 ← remainder

P₉₈₁ 7727

$$7727 \div 2 = 3863 \text{ remainder } 1$$

$$\begin{array}{r} 3863 \\ 2 \overline{) 7727} \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 12 \\ \underline{12} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7727 \div 3 = 2575 \text{ remainder } 2$$

$$\begin{array}{r} 2575 \\ 3 \overline{) 7727} \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 22 \\ \underline{21} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7727 \div 5 = 1545 \text{ remainder } 2$$

$$\begin{array}{r} 1545 \\ 5 \overline{) 7727} \\ \underline{5} \\ - \end{array}$$

```

27
25
--
22
20
--
27
25
--
2 ← remainder

```

$$7727 \div 7 = 1103 \text{ remainder } 6$$

```

    1103
7 | 7727
  7
  -
  7
  7
  -
  2
  0
  -
  27
  21
  --
  6 ← remainder

```

$$7727 \div 11 = 702 \text{ remainder } 5$$

```

    702
11 | 7727
   77
   --
    2
    0
    -
    27
    22
    --
    5 ← remainder

```

$$7727 \div 13 = 594 \text{ remainder } 5$$

$$\begin{array}{r}
 594 \\
 13 \overline{) 7727} \\
 \underline{65} \\
 122 \\
 \underline{117} \\
 57 \\
 \underline{52} \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7727 \div 17 = 454 \text{ remainder } 9$$

$$\begin{array}{r}
 454 \\
 17 \overline{) 7727} \\
 \underline{68} \\
 92 \\
 \underline{85} \\
 77 \\
 \underline{68} \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$7727 \div 19 = 406 \text{ remainder } 13$$

$$\begin{array}{r}
 406 \\
 19 \overline{) 7727} \\
 \underline{76} \\
 12 \\
 \underline{0} \\
 127 \\
 \underline{114} \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$7727 \div 23 = 335 \text{ remainder } 22$$

$$\begin{array}{r}
 335 \\
 23 \overline{) 7727}
 \end{array}$$

```

69
--
82
69
--
137
115
---
22 ← remainder

```

$$7727 \div 29 = 266 \text{ remainder } 13$$

```

      266
29 | 7727
    58
    --
    192
    174
    ---
    187
    174
    ---
    13 ← remainder

```

$$7727 \div 31 = 249 \text{ remainder } 8$$

```

      249
31 | 7727
    62
    --
    152
    124
    ---
    287
    279
    ---
    8 ← remainder

```

$$7727 \div 37 = 208 \text{ remainder } 31$$

```

      208
37 | 7727
    74
    --

```

```

32
0
-
327
296
---
31 ← remainder

```

$$7727 \div 41 = 188 \text{ remainder } 19$$

```

188
41 | 7727
    41
    --
    362
    328
    ---
    347
    328
    ---
    19 ← remainder

```

$$7727 \div 43 = 179 \text{ remainder } 30$$

```

179
43 | 7727
    43
    --
    342
    301
    ---
    417
    387
    ---
    30 ← remainder

```

$$7727 \div 47 = 164 \text{ remainder } 19$$

```

164
47 | 7727
    47
    --
    302
    282

```

```

  ---
207
188
  ---
19 ← remainder

```

$$7727 \div 53 = 145 \text{ remainder } 42$$

```

  145
53 | 7727
   53
   --
   242
   212
   ---
   307
   265
   ---
   42 ← remainder

```

$$7727 \div 59 = 130 \text{ remainder } 57$$

```

  130
59 | 7727
   59
   --
   182
   177
   ---
   57
   0
   -
   57 ← remainder

```

$$7727 \div 61 = 126 \text{ remainder } 41$$

```

  126
61 | 7727
   61
   --
   162
   122
   ---
   407

```

366

41 ← remainder

$$7727 \div 67 = 115 \text{ remainder } 22$$

```
      115
67 | 7727
    67
    --
    102
    67
    --
    357
    335
    ---
    22 ← remainder
```

$$7727 \div 71 = 108 \text{ remainder } 59$$

```
      108
71 | 7727
    71
    --
    62
    0
    -
    627
    568
    ---
    59 ← remainder
```

$$7727 \div 73 = 105 \text{ remainder } 62$$

```
      105
73 | 7727
    73
    --
    42
    0
    -
    427
    365
```

62 ← remainder

$$7727 \div 79 = 97 \text{ remainder } 64$$

97
79 | 7727
711

617
553

64 ← remainder

$$7727 \div 83 = 93 \text{ remainder } 8$$

93
83 | 7727
747

257
249

8 ← remainder

P₉₈₂ 7741

$$7741 \div 2 = 3870 \text{ remainder } 1$$

$$\begin{array}{r} 3870 \\ 2 \mid 7741 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - \\ 14 \\ \underline{14} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7741 \div 3 = 2580 \text{ remainder } 1$$

$$\begin{array}{r} 2580 \\ 3 \mid 7741 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - \\ 24 \\ \underline{24} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7741 \div 5 = 1548 \text{ remainder } 1$$

$$\begin{array}{r} 1548 \\ 5 \mid 7741 \\ \underline{5} \\ - \end{array}$$

```

27
25
--
24
20
--
41
40
--
1 ← remainder

```

$$7741 \div 7 = 1105 \text{ remainder } 6$$

```

1105
7 | 7741
  7
  -
  7
  7
  -
  4
  0
  -
  41
 35
  --
  6 ← remainder

```

$$7741 \div 11 = 703 \text{ remainder } 8$$

```

703
11 | 7741
   77
   --
   4
   0
   -
   41
   33
   --
   8 ← remainder

```

$$7741 \div 13 = 595 \text{ remainder } 6$$

$$\begin{array}{r}
 595 \\
 13 \overline{) 7741} \\
 \underline{65} \\
 -- \\
 124 \\
 \underline{117} \\
 --- \\
 71 \\
 \underline{65} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7741 \div 17 = 455 \text{ remainder } 6$$

$$\begin{array}{r}
 455 \\
 17 \overline{) 7741} \\
 \underline{68} \\
 -- \\
 94 \\
 \underline{85} \\
 -- \\
 91 \\
 \underline{85} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7741 \div 19 = 407 \text{ remainder } 8$$

$$\begin{array}{r}
 407 \\
 19 \overline{) 7741} \\
 \underline{76} \\
 -- \\
 14 \\
 \underline{0} \\
 - \\
 141 \\
 \underline{133} \\
 --- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$7741 \div 23 = 336 \text{ remainder } 13$$

$$\begin{array}{r}
 336 \\
 23 \overline{) 7741}
 \end{array}$$

```

69
--
84
69
--
151
138
---
13 ← remainder

```

$$7741 \div 29 = 266 \text{ remainder } 27$$

```

      266
29 | 7741
    58
    --
    194
    174
    ---
    201
    174
    ---
    27 ← remainder

```

$$7741 \div 31 = 249 \text{ remainder } 22$$

```

      249
31 | 7741
    62
    --
    154
    124
    ---
    301
    279
    ---
    22 ← remainder

```

$$7741 \div 37 = 209 \text{ remainder } 8$$

```

      209
37 | 7741
    74
    --

```

```

34
0
-
341
333
---
8 ← remainder

```

$$7741 \div 41 = 188 \text{ remainder } 33$$

```

188
41 | 7741
   41
   --
   364
   328
   ---
   361
   328
   ---
   33 ← remainder

```

$$7741 \div 43 = 180 \text{ remainder } 1$$

```

180
43 | 7741
   43
   --
   344
   344
   ---
   1
   0
   -
   1 ← remainder

```

$$7741 \div 47 = 164 \text{ remainder } 33$$

```

164
47 | 7741
   47
   --
   304
   282

```

```

  ---
221
188
  ---
33 ← remainder

```

$$7741 \div 53 = 146 \text{ remainder } 3$$

```

    146
53 | 7741
    53
    --
    244
    212
    ---
    321
    318
    ---
    3 ← remainder

```

$$7741 \div 59 = 131 \text{ remainder } 12$$

```

    131
59 | 7741
    59
    --
    184
    177
    ---
    71
    59
    --
    12 ← remainder

```

$$7741 \div 61 = 126 \text{ remainder } 55$$

```

    126
61 | 7741
    61
    --
    164
    122
    ---
    421

```

366

55 ← remainder

$$7741 \div 67 = 115 \text{ remainder } 36$$

```
      115
67 | 7741
    67
    --
    104
    67
    --
    371
    335
    ---
    36 ← remainder
```

$$7741 \div 71 = 109 \text{ remainder } 2$$

```
      109
71 | 7741
    71
    --
    64
    0
    -
    641
    639
    ---
    2 ← remainder
```

$$7741 \div 73 = 106 \text{ remainder } 3$$

```
      106
73 | 7741
    73
    --
    44
    0
    -
    441
    438
```

3 ← remainder

$$7741 \div 79 = 97 \text{ remainder } 78$$

97
79 | 7741
711

631
553

78 ← remainder

$$7741 \div 83 = 93 \text{ remainder } 22$$

93
83 | 7741
747

271
249

22 ← remainder

P₉₈₃ 7753

$$7753 \div 2 = 3876 \text{ remainder } 1$$

$$\begin{array}{r} 3876 \\ 2 \mid 7753 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - \\ 15 \\ \underline{14} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7753 \div 3 = 2584 \text{ remainder } 1$$

$$\begin{array}{r} 2584 \\ 3 \mid 7753 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - \\ 25 \\ \underline{24} \\ - \\ 13 \\ \underline{12} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7753 \div 5 = 1550 \text{ remainder } 3$$

$$\begin{array}{r} 1550 \\ 5 \mid 7753 \\ \underline{5} \\ - \end{array}$$

```

27
25
--
25
25
--
3
0
-
3 ← remainder

```

$$7753 \div 7 = 1107 \text{ remainder } 4$$

```

1107
7 | 7753
  7
  -
  7
  7
  -
  5
  0
  -
  53
  49
  --
  4 ← remainder

```

$$7753 \div 11 = 704 \text{ remainder } 9$$

```

704
11 | 7753
   77
   --
   5
   0
   -
   53
   44
   --
   9 ← remainder

```

$$7753 \div 13 = 596 \text{ remainder } 5$$


```

      596
13 | 7753
    65
    --
    125
    117
    ---
     83
     78
     --
      5 ← remainder

```

$7753 \div 17 = 456 \text{ remainder } 1$

```

      456
17 | 7753
    68
    --
    95
    85
    --
    103
    102
    ---
     1 ← remainder

```

$7753 \div 19 = 408 \text{ remainder } 1$

```

      408
19 | 7753
    76
    --
    15
    0
    -
    153
    152
    ---
     1 ← remainder

```

$7753 \div 23 = 337 \text{ remainder } 2$

```

      337
23 | 7753

```

```

69
--
85
69
--
163
161
---
2 ← remainder

```

$$7753 \div 29 = 267 \text{ remainder } 10$$

```

267
29 | 7753
   58
   --
   195
   174
   ---
   213
   203
   ---
   10 ← remainder

```

$$7753 \div 31 = 250 \text{ remainder } 3$$

```

250
31 | 7753
   62
   --
   155
   155
   ---
    3
    0
    -
    3 ← remainder

```

$$7753 \div 37 = 209 \text{ remainder } 20$$

```

209
37 | 7753
   74
   --

```

```

35
0
-
353
333
---
20 ← remainder

```

$$7753 \div 41 = 189 \text{ remainder } 4$$

```

189
41 | 7753
   41
   --
   365
   328
   ---
   373
   369
   ---
   4 ← remainder

```

$$7753 \div 43 = 180 \text{ remainder } 13$$

```

180
43 | 7753
   43
   --
   345
   344
   ---
   13
   0
   -
   13 ← remainder

```

$$7753 \div 47 = 164 \text{ remainder } 45$$

```

164
47 | 7753
   47
   --
   305
   282

```

```

  ---
233
188
  ---
45 ← remainder

```

$$7753 \div 53 = 146 \text{ remainder } 15$$

```

  146
53 | 7753
   53
   --
   245
   212
   ---
   333
   318
   ---
   15 ← remainder

```

$$7753 \div 59 = 131 \text{ remainder } 24$$

```

  131
59 | 7753
   59
   --
   185
   177
   ---
   83
   59
   --
   24 ← remainder

```

$$7753 \div 61 = 127 \text{ remainder } 6$$

```

  127
61 | 7753
   61
   --
   165
   122
   ---
   433

```

427

6 ← remainder

$$7753 \div 67 = 115 \text{ remainder } 48$$

115

67 | 7753

67

--

105

67

--

383

335

48 ← remainder

$$7753 \div 71 = 109 \text{ remainder } 14$$

109

71 | 7753

71

--

65

0

-

653

639

14 ← remainder

$$7753 \div 73 = 106 \text{ remainder } 15$$

106

73 | 7753

73

--

45

0

-

453

438

15 ← remainder

$$7753 \div 79 = 98 \text{ remainder } 11$$

98

79 | 7753

711

643

632

11 ← remainder

$$7753 \div 83 = 93 \text{ remainder } 34$$

93

83 | 7753

747

283

249

34 ← remainder

P₉₈₄ 7757

$$7757 \div 2 = 3878 \text{ remainder } 1$$

$$\begin{array}{r} 3878 \\ 2 \mid 7757 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 15 \\ \underline{14} \\ -- \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7757 \div 3 = 2585 \text{ remainder } 2$$

$$\begin{array}{r} 2585 \\ 3 \mid 7757 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7757 \div 5 = 1551 \text{ remainder } 2$$

$$\begin{array}{r} 1551 \\ 5 \mid 7757 \\ \underline{5} \\ - \end{array}$$

```

27
25
--
25
25
--
7
5
-
2 ← remainder

```

$$7757 \div 7 = 1108 \text{ remainder } 1$$

```

1108
7 | 7757
  7
  -
  7
  7
  -
  5
  0
  -
  57
  56
  --
  1 ← remainder

```

$$7757 \div 11 = 705 \text{ remainder } 2$$

```

705
11 | 7757
   77
   --
   5
   0
   -
   57
   55
   --
   2 ← remainder

```

$$7757 \div 13 = 596 \text{ remainder } 9$$

$$\begin{array}{r}
 596 \\
 13 \overline{) 7757} \\
 \underline{65} \\
 -- \\
 125 \\
 \underline{117} \\
 --- \\
 87 \\
 \underline{78} \\
 -- \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$7757 \div 17 = 456 \text{ remainder } 5$$

$$\begin{array}{r}
 456 \\
 17 \overline{) 7757} \\
 \underline{68} \\
 -- \\
 95 \\
 \underline{85} \\
 -- \\
 107 \\
 \underline{102} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7757 \div 19 = 408 \text{ remainder } 5$$

$$\begin{array}{r}
 408 \\
 19 \overline{) 7757} \\
 \underline{76} \\
 -- \\
 15 \\
 \underline{0} \\
 - \\
 157 \\
 \underline{152} \\
 --- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7757 \div 23 = 337 \text{ remainder } 6$$

$$\begin{array}{r}
 337 \\
 23 \overline{) 7757}
 \end{array}$$

```

69
--
85
69
--
167
161
---
6 ← remainder

```

$$7757 \div 29 = 267 \text{ remainder } 14$$

```

267
29 | 7757
   58
   --
   195
   174
   ---
   217
   203
   ---
   14 ← remainder

```

$$7757 \div 31 = 250 \text{ remainder } 7$$

```

250
31 | 7757
   62
   --
   155
   155
   ---
   7
   0
   -
   7 ← remainder

```

$$7757 \div 37 = 209 \text{ remainder } 24$$

```

209
37 | 7757
   74
   --

```

```

35
0
-
357
333
---
24 ← remainder

```

$$7757 \div 41 = 189 \text{ remainder } 8$$

```

189
41 | 7757
   41
   --
   365
   328
   ---
   377
   369
   ---
   8 ← remainder

```

$$7757 \div 43 = 180 \text{ remainder } 17$$

```

180
43 | 7757
   43
   --
   345
   344
   ---
   17
   0
   -
   17 ← remainder

```

$$7757 \div 47 = 165 \text{ remainder } 2$$

```

165
47 | 7757
   47
   --
   305
   282

```

```

---
237
235
---
2 ← remainder

```

$$7757 \div 53 = 146 \text{ remainder } 19$$

```

146
53 | 7757
   53
   --
   245
   212
   ---
   337
   318
   ---
   19 ← remainder

```

$$7757 \div 59 = 131 \text{ remainder } 28$$

```

131
59 | 7757
   59
   --
   185
   177
   ---
   87
   59
   --
   28 ← remainder

```

$$7757 \div 61 = 127 \text{ remainder } 10$$

```

127
61 | 7757
   61
   --
   165
   122
   ---
   437

```

427

10 ← remainder

$$7757 \div 67 = 115 \text{ remainder } 52$$

115

67 | 7757

67

--

105

67

--

387

335

52 ← remainder

$$7757 \div 71 = 109 \text{ remainder } 18$$

109

71 | 7757

71

--

65

0

-

657

639

18 ← remainder

$$7757 \div 73 = 106 \text{ remainder } 19$$

106

73 | 7757

73

--

45

0

-

457

438

19 ← remainder

$$7757 \div 79 = 98 \text{ remainder } 15$$

98

79 | 7757

711

647

632

15 ← remainder

$$7757 \div 83 = 93 \text{ remainder } 38$$

93

83 | 7757

747

287

249

38 ← remainder

P₉₈₅ 7759

$$7759 \div 2 = 3879 \text{ remainder } 1$$

$$\begin{array}{r} 3879 \\ 2 \mid 7759 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 15 \\ \underline{14} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7759 \div 3 = 2586 \text{ remainder } 1$$

$$\begin{array}{r} 2586 \\ 3 \mid 7759 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 25 \\ \underline{24} \\ -- \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7759 \div 5 = 1551 \text{ remainder } 4$$

$$\begin{array}{r} 1551 \\ 5 \mid 7759 \\ \underline{5} \\ - \end{array}$$

```

27
25
--
25
25
--
9
5
-
4 ← remainder

```

$$7759 \div 7 = 1108 \text{ remainder } 3$$

```

1108
7 | 7759
  7
  -
  7
  7
  -
  5
  0
  -
  59
  56
  --
  3 ← remainder

```

$$7759 \div 11 = 705 \text{ remainder } 4$$

```

705
11 | 7759
   77
   --
   5
   0
   -
   59
   55
   --
   4 ← remainder

```

$$7759 \div 13 = 596 \text{ remainder } 11$$


```

      596
13 | 7759
    65
    --
    125
    117
    ---
     89
     78
     --
     11 ← remainder

```

$7759 \div 17 = 456 \text{ remainder } 7$

```

      456
17 | 7759
    68
    --
    95
    85
    --
    109
    102
    ---
     7 ← remainder

```

$7759 \div 19 = 408 \text{ remainder } 7$

```

      408
19 | 7759
    76
    --
    15
    0
    -
    159
    152
    ---
     7 ← remainder

```

$7759 \div 23 = 337 \text{ remainder } 8$

```

      337
23 | 7759

```

```

69
--
85
69
--
169
161
---
8 ← remainder

```

$$7759 \div 29 = 267 \text{ remainder } 16$$

```

      267
29 | 7759
    58
    --
    195
    174
    ---
    219
    203
    ---
    16 ← remainder

```

$$7759 \div 31 = 250 \text{ remainder } 9$$

```

      250
31 | 7759
    62
    --
    155
    155
    ---
     9
     0
     -
     9 ← remainder

```

$$7759 \div 37 = 209 \text{ remainder } 26$$

```

      209
37 | 7759
    74
    --

```

```

35
0
-
359
333
---
26 ← remainder

```

$$7759 \div 41 = 189 \text{ remainder } 10$$

```

189
41 | 7759
    41
    --
    365
    328
    ---
    379
    369
    ---
    10 ← remainder

```

$$7759 \div 43 = 180 \text{ remainder } 19$$

```

180
43 | 7759
    43
    --
    345
    344
    ---
    19
    0
    -
    19 ← remainder

```

$$7759 \div 47 = 165 \text{ remainder } 4$$

```

165
47 | 7759
    47
    --
    305
    282

```

```

  ---
239
235
  ---
4 ← remainder

```

$$7759 \div 53 = 146 \text{ remainder } 21$$

```

  146
53 | 7759
   53
   --
   245
   212
   ---
   339
   318
   ---
   21 ← remainder

```

$$7759 \div 59 = 131 \text{ remainder } 30$$

```

  131
59 | 7759
   59
   --
   185
   177
   ---
   89
   59
   --
   30 ← remainder

```

$$7759 \div 61 = 127 \text{ remainder } 12$$

```

  127
61 | 7759
   61
   --
   165
   122
   ---
   439

```

427

12 ← remainder

$$7759 \div 67 = 115 \text{ remainder } 54$$

115

67 | 7759

67

--

105

67

--

389

335

54 ← remainder

$$7759 \div 71 = 109 \text{ remainder } 20$$

109

71 | 7759

71

--

65

0

-

659

639

20 ← remainder

$$7759 \div 73 = 106 \text{ remainder } 21$$

106

73 | 7759

73

--

45

0

-

459

438

21 ← remainder

$$7759 \div 79 = 98 \text{ remainder } 17$$

98
79 | 7759
711

649
632

17 ← remainder

$$7759 \div 83 = 93 \text{ remainder } 40$$

93
83 | 7759
747

289
249

40 ← remainder

P₉₈₆ 7789

$$7789 \div 2 = 3894 \text{ remainder } 1$$

$$\begin{array}{r} 3894 \\ 2 \mid 7789 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ - - \\ 18 \\ \underline{18} \\ - - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7789 \div 3 = 2596 \text{ remainder } 1$$

$$\begin{array}{r} 2596 \\ 3 \mid 7789 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ - - \\ 28 \\ \underline{27} \\ - - \\ 19 \\ \underline{18} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7789 \div 5 = 1557 \text{ remainder } 4$$

$$\begin{array}{r} 1557 \\ 5 \mid 7789 \\ \underline{5} \\ - \end{array}$$

```

27
25
--
28
25
--
39
35
--
4 ← remainder

```

$$7789 \div 7 = 1112 \text{ remainder } 5$$

```

  1112
7 | 7789
  7
  -
  7
  7
  -
  8
  7
  -
 19
 14
  --
  5 ← remainder

```

$$7789 \div 11 = 708 \text{ remainder } 1$$

```

   708
11 | 7789
   77
   --
    8
    0
    -
   89
   88
   --
    1 ← remainder

```

$$7789 \div 13 = 599 \text{ remainder } 2$$

599
 13 | 7789
 65
 --
 128
 117

 119
 117

 2 ← remainder

$7789 \div 17 = 458 \text{ remainder } 3$

458
 17 | 7789
 68
 --
 98
 85
 --
 139
 136

 3 ← remainder

$7789 \div 19 = 409 \text{ remainder } 18$

409
 19 | 7789
 76
 --
 18
 0
 -
 189
 171

 18 ← remainder

$7789 \div 23 = 338 \text{ remainder } 15$

338
 23 | 7789

```

69
--
88
69
--
199
184
---
15 ← remainder

```

$$7789 \div 29 = 268 \text{ remainder } 17$$

```

      268
29 | 7789
    58
    --
    198
    174
    ---
    249
    232
    ---
    17 ← remainder

```

$$7789 \div 31 = 251 \text{ remainder } 8$$

```

      251
31 | 7789
    62
    --
    158
    155
    ---
    39
    31
    --
    8 ← remainder

```

$$7789 \div 37 = 210 \text{ remainder } 19$$

```

      210
37 | 7789
    74
    --

```

```

38
37
--
19
0
-
19 ← remainder

```

$$7789 \div 41 = 189 \text{ remainder } 40$$

```

      189
41 | 7789
    41
    --
    368
    328
    ---
    409
    369
    ---
    40 ← remainder

```

$$7789 \div 43 = 181 \text{ remainder } 6$$

```

      181
43 | 7789
    43
    --
    348
    344
    ---
    49
    43
    --
    6 ← remainder

```

$$7789 \div 47 = 165 \text{ remainder } 34$$

```

      165
47 | 7789
    47
    --
    308
    282

```

```

  ---
269
235
  ---
34 ← remainder

```

$$7789 \div 53 = 146 \text{ remainder } 51$$

```

    146
53 | 7789
    53
    --
    248
    212
    ---
    369
    318
    ---
    51 ← remainder

```

$$7789 \div 59 = 132 \text{ remainder } 1$$

```

    132
59 | 7789
    59
    --
    188
    177
    ---
    119
    118
    ---
    1 ← remainder

```

$$7789 \div 61 = 127 \text{ remainder } 42$$

```

    127
61 | 7789
    61
    --
    168
    122
    ---
    469

```

427

 42 ← remainder

$$7789 \div 67 = 116 \text{ remainder } 17$$

116
 67 | 7789
 67
 --
 108
 67
 --
 419
 402

 17 ← remainder

$$7789 \div 71 = 109 \text{ remainder } 50$$

109
 71 | 7789
 71
 --
 68
 0
 -
 689
 639

 50 ← remainder

$$7789 \div 73 = 106 \text{ remainder } 51$$

106
 73 | 7789
 73
 --
 48
 0
 -
 489
 438

51 ← remainder

$$7789 \div 79 = 98 \text{ remainder } 47$$

98
79 | 7789
711

679
632

47 ← remainder

$$7789 \div 83 = 93 \text{ remainder } 70$$

93
83 | 7789
747

319
249

70 ← remainder

P₉₈₇ 7793

$$7793 \div 2 = 3896 \text{ remainder } 1$$

$$\begin{array}{r} 3896 \\ 2 \mid 7793 \\ \underline{6} \\ 17 \\ \underline{16} \\ 19 \\ \underline{18} \\ 13 \\ \underline{12} \\ 1 \\ \leftarrow \text{remainder} \end{array}$$

$$7793 \div 3 = 2597 \text{ remainder } 2$$

$$\begin{array}{r} 2597 \\ 3 \mid 7793 \\ \underline{6} \\ 17 \\ \underline{15} \\ 29 \\ \underline{27} \\ 23 \\ \underline{21} \\ 2 \\ \leftarrow \text{remainder} \end{array}$$

$$7793 \div 5 = 1558 \text{ remainder } 3$$

$$\begin{array}{r} 1558 \\ 5 \mid 7793 \\ \underline{5} \\ - \end{array}$$

```

27
25
--
29
25
--
43
40
--
3 ← remainder

```

$$7793 \div 7 = 1113 \text{ remainder } 2$$

```

  1113
7 | 7793
  7
  -
  7
  7
  -
  9
  7
  -
  23
  21
  --
  2 ← remainder

```

$$7793 \div 11 = 708 \text{ remainder } 5$$

```

   708
11 | 7793
   77
   --
   9
   0
   -
   93
   88
   --
   5 ← remainder

```

$$7793 \div 13 = 599 \text{ remainder } 6$$

$$\begin{array}{r}
 599 \\
 13 \overline{) 7793} \\
 \underline{65} \\
 129 \\
 \underline{117} \\
 123 \\
 \underline{117} \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7793 \div 17 = 458 \text{ remainder } 7$$

$$\begin{array}{r}
 458 \\
 17 \overline{) 7793} \\
 \underline{68} \\
 99 \\
 \underline{85} \\
 143 \\
 \underline{136} \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7793 \div 19 = 410 \text{ remainder } 3$$

$$\begin{array}{r}
 410 \\
 19 \overline{) 7793} \\
 \underline{76} \\
 19 \\
 \underline{19} \\
 3 \\
 \underline{0} \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$7793 \div 23 = 338 \text{ remainder } 19$$

$$\begin{array}{r}
 338 \\
 23 \overline{) 7793}
 \end{array}$$

```

69
--
89
69
--
203
184
---
19 ← remainder

```

$$7793 \div 29 = 268 \text{ remainder } 21$$

```

      268
29 | 7793
    58
    --
    199
    174
    ---
    253
    232
    ---
    21 ← remainder

```

$$7793 \div 31 = 251 \text{ remainder } 12$$

```

      251
31 | 7793
    62
    --
    159
    155
    ---
    43
    31
    --
    12 ← remainder

```

$$7793 \div 37 = 210 \text{ remainder } 23$$

```

      210
37 | 7793
    74
    --

```

```

39
37
--
23
0
-
23 ← remainder

```

$$7793 \div 41 = 190 \text{ remainder } 3$$

```

190
41 | 7793
   41
   --
   369
   369
   ---
    3
    0
    -
    3 ← remainder

```

$$7793 \div 43 = 181 \text{ remainder } 10$$

```

181
43 | 7793
   43
   --
   349
   344
   ---
    53
    43
    --
    10 ← remainder

```

$$7793 \div 47 = 165 \text{ remainder } 38$$

```

165
47 | 7793
   47
   --
   309
   282

```

```

  ---
273
235
  ---
38 ← remainder

```

$$7793 \div 53 = 147 \text{ remainder } 2$$

```

    147
53 | 7793
    53
    --
    249
    212
    ---
    373
    371
    ---
    2 ← remainder

```

$$7793 \div 59 = 132 \text{ remainder } 5$$

```

    132
59 | 7793
    59
    --
    189
    177
    ---
    123
    118
    ---
    5 ← remainder

```

$$7793 \div 61 = 127 \text{ remainder } 46$$

```

    127
61 | 7793
    61
    --
    169
    122
    ---
    473

```

427

 46 ← remainder

$$7793 \div 67 = 116 \text{ remainder } 21$$

116
 67 | 7793
 67
 --
 109
 67
 --
 423
 402

 21 ← remainder

$$7793 \div 71 = 109 \text{ remainder } 54$$

109
 71 | 7793
 71
 --
 69
 0
 -
 693
 639

 54 ← remainder

$$7793 \div 73 = 106 \text{ remainder } 55$$

106
 73 | 7793
 73
 --
 49
 0
 -
 493
 438

55 ← remainder

$$7793 \div 79 = 98 \text{ remainder } 51$$

98
79 | 7793
711

683
632

51 ← remainder

$$7793 \div 83 = 93 \text{ remainder } 74$$

93
83 | 7793
747

323
249

74 ← remainder

P₉₈₈ 7817

$$7817 \div 2 = 3908 \text{ remainder } 1$$

$$\begin{array}{r} 3908 \\ 2 \mid 7817 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{16} \\ - - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7817 \div 3 = 2605 \text{ remainder } 2$$

$$\begin{array}{r} 2605 \\ 3 \mid 7817 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 1 \\ \underline{0} \\ - \\ 17 \\ \underline{15} \\ - - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7817 \div 5 = 1563 \text{ remainder } 2$$

$$\begin{array}{r} 1563 \\ 5 \mid 7817 \\ \underline{5} \\ - \end{array}$$

```

28
25
--
31
30
--
17
15
--
2 ← remainder

```

$$7817 \div 7 = 1116 \text{ remainder } 5$$

```

  1116
7 | 7817
  7
  -
   8
   7
   -
  11
   7
   -
  47
  42
  --
   5 ← remainder

```

$$7817 \div 11 = 710 \text{ remainder } 7$$

```

   710
11 | 7817
   77
   --
   11
   11
   --
    7
    0
    -
    7 ← remainder

```

$$7817 \div 13 = 601 \text{ remainder } 4$$

$$\begin{array}{r}
 601 \\
 13 \mid 7817 \\
 \underline{78} \\
 -- \\
 1 \\
 0 \\
 - \\
 17 \\
 13 \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$7817 \div 17 = 459 \text{ remainder } 14$$

$$\begin{array}{r}
 459 \\
 17 \mid 7817 \\
 \underline{68} \\
 -- \\
 101 \\
 85 \\
 -- \\
 167 \\
 153 \\
 --- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$7817 \div 19 = 411 \text{ remainder } 8$$

$$\begin{array}{r}
 411 \\
 19 \mid 7817 \\
 \underline{76} \\
 -- \\
 21 \\
 19 \\
 -- \\
 27 \\
 19 \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$7817 \div 23 = 339 \text{ remainder } 20$$

$$\begin{array}{r}
 339 \\
 23 \mid 7817
 \end{array}$$

```

69
--
91
69
--
227
207
---
20 ← remainder

```

$$7817 \div 29 = 269 \text{ remainder } 16$$

```

269
29 | 7817
   58
   --
   201
   174
   ---
   277
   261
   ---
   16 ← remainder

```

$$7817 \div 31 = 252 \text{ remainder } 5$$

```

252
31 | 7817
   62
   --
   161
   155
   ---
   67
   62
   --
   5 ← remainder

```

$$7817 \div 37 = 211 \text{ remainder } 10$$

```

211
37 | 7817
   74
   --

```

```

41
37
--
47
37
--
10 ← remainder

```

$$7817 \div 41 = 190 \text{ remainder } 27$$

```

      190
41 | 7817
    41
    --
   371
   369
   ---
    27
    0
    -
    27 ← remainder

```

$$7817 \div 43 = 181 \text{ remainder } 34$$

```

      181
43 | 7817
    43
    --
   351
   344
   ---
    77
    43
    --
    34 ← remainder

```

$$7817 \div 47 = 166 \text{ remainder } 15$$

```

      166
47 | 7817
    47
    --
   311
   282

```

```

---
297
282
---
15 ← remainder

```

$$7817 \div 53 = 147 \text{ remainder } 26$$

```

147
53 | 7817
   53
   --
   251
   212
   ---
   397
   371
   ---
   26 ← remainder

```

$$7817 \div 59 = 132 \text{ remainder } 29$$

```

132
59 | 7817
   59
   --
   191
   177
   ---
   147
   118
   ---
   29 ← remainder

```

$$7817 \div 61 = 128 \text{ remainder } 9$$

```

128
61 | 7817
   61
   --
   171
   122
   ---
   497

```

488

9 ← remainder

$$7817 \div 67 = 116 \text{ remainder } 45$$

116

67 | 7817

67

--

111

67

--

447

402

45 ← remainder

$$7817 \div 71 = 110 \text{ remainder } 7$$

110

71 | 7817

71

--

71

71

--

7

0

-

7 ← remainder

$$7817 \div 73 = 107 \text{ remainder } 6$$

107

73 | 7817

73

--

51

0

-

517

511

6 ← remainder

$$7817 \div 79 = 98 \text{ remainder } 75$$

98
79 | 7817
711

707
632

75 ← remainder

$$7817 \div 83 = 94 \text{ remainder } 15$$

94
83 | 7817
747

347
332

15 ← remainder

P₉₈₉ 7823

$$7823 \div 2 = 3911 \text{ remainder } 1$$

$$\begin{array}{r} 3911 \\ 2 \mid 7823 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 2 \\ \underline{2} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7823 \div 3 = 2607 \text{ remainder } 2$$

$$\begin{array}{r} 2607 \\ 3 \mid 7823 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 2 \\ \underline{0} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7823 \div 5 = 1564 \text{ remainder } 3$$

$$\begin{array}{r} 1564 \\ 5 \mid 7823 \\ \underline{5} \\ - \end{array}$$

```

28
25
--
32
30
--
23
20
--
3 ← remainder

```

$$7823 \div 7 = 1117 \text{ remainder } 4$$

```

  1117
7 | 7823
  7
  -
   8
   7
   -
  12
   7
   -
  53
  49
  --
   4 ← remainder

```

$$7823 \div 11 = 711 \text{ remainder } 2$$

```

   711
11 | 7823
   77
   --
   12
   11
   --
   13
   11
   --
   2 ← remainder

```

$$7823 \div 13 = 601 \text{ remainder } 10$$

$$\begin{array}{r}
 601 \\
 13 \overline{) 7823} \\
 \underline{78} \\
 -- \\
 2 \\
 \underline{0} \\
 - \\
 23 \\
 \underline{13} \\
 -- \\
 10 \leftarrow \text{remainder}
 \end{array}$$

$$7823 \div 17 = 460 \text{ remainder } 3$$

$$\begin{array}{r}
 460 \\
 17 \overline{) 7823} \\
 \underline{68} \\
 -- \\
 102 \\
 \underline{102} \\
 --- \\
 3 \\
 \underline{0} \\
 - \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$7823 \div 19 = 411 \text{ remainder } 14$$

$$\begin{array}{r}
 411 \\
 19 \overline{) 7823} \\
 \underline{76} \\
 -- \\
 22 \\
 \underline{19} \\
 -- \\
 33 \\
 \underline{19} \\
 -- \\
 14 \leftarrow \text{remainder}
 \end{array}$$

$$7823 \div 23 = 340 \text{ remainder } 3$$

$$\begin{array}{r}
 340 \\
 23 \overline{) 7823}
 \end{array}$$

```

69
--
92
92
--
3
0
-
3 ← remainder

```

$$7823 \div 29 = 269 \text{ remainder } 22$$

```

      269
29 | 7823
    58
    --
    202
    174
    ---
    283
    261
    ---
    22 ← remainder

```

$$7823 \div 31 = 252 \text{ remainder } 11$$

```

      252
31 | 7823
    62
    --
    162
    155
    ---
    73
    62
    --
    11 ← remainder

```

$$7823 \div 37 = 211 \text{ remainder } 16$$

```

      211
37 | 7823
    74
    --

```

```

42
37
--
53
37
--
16 ← remainder

```

$$7823 \div 41 = 190 \text{ remainder } 33$$

```

      190
41 | 7823
    41
    --
   372
   369
   ---
    33
    0
    -
    33 ← remainder

```

$$7823 \div 43 = 181 \text{ remainder } 40$$

```

      181
43 | 7823
    43
    --
   352
   344
   ---
    83
    43
    --
    40 ← remainder

```

$$7823 \div 47 = 166 \text{ remainder } 21$$

```

      166
47 | 7823
    47
    --
   312
   282

```

```

  ---
 303
 282
  ---
 21 ← remainder

```

$$7823 \div 53 = 147 \text{ remainder } 32$$

```

    147
53 | 7823
    53
    --
    252
    212
    ---
    403
    371
    ---
    32 ← remainder

```

$$7823 \div 59 = 132 \text{ remainder } 35$$

```

    132
59 | 7823
    59
    --
    192
    177
    ---
    153
    118
    ---
    35 ← remainder

```

$$7823 \div 61 = 128 \text{ remainder } 15$$

```

    128
61 | 7823
    61
    --
    172
    122
    ---
    503

```

488

15 ← remainder

$$7823 \div 67 = 116 \text{ remainder } 51$$

116
67 | 7823
67

--

112

67

--

453

402

51 ← remainder

$$7823 \div 71 = 110 \text{ remainder } 13$$

110
71 | 7823
71

--

72

71

--

13

0

-

13 ← remainder

$$7823 \div 73 = 107 \text{ remainder } 12$$

107
73 | 7823
73

--

52

0

-

523

511

12 ← remainder

$$7823 \div 79 = 99 \text{ remainder } 2$$

99

79 | 7823

711

713

711

2 ← remainder

$$7823 \div 83 = 94 \text{ remainder } 21$$

94

83 | 7823

747

353

332

21 ← remainder

P₉₉₀ 7829

$$7829 \div 2 = 3914 \text{ remainder } 1$$

$$\begin{array}{r} 3914 \\ 2 \mid 7829 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 2 \\ \underline{2} \\ - \\ 9 \\ \underline{8} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7829 \div 3 = 2609 \text{ remainder } 2$$

$$\begin{array}{r} 2609 \\ 3 \mid 7829 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 2 \\ \underline{0} \\ - \\ 29 \\ \underline{27} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7829 \div 5 = 1565 \text{ remainder } 4$$

$$\begin{array}{r} 1565 \\ 5 \mid 7829 \\ \underline{5} \\ - \end{array}$$

```

28
25
--
32
30
--
29
25
--
4 ← remainder

```

$$7829 \div 7 = 1118 \text{ remainder } 3$$

```

1118
7 | 7829
  7
  -
   8
   7
   -
  12
   7
   -
  59
  56
  --
  3 ← remainder

```

$$7829 \div 11 = 711 \text{ remainder } 8$$

```

711
11 | 7829
   77
   --
   12
   11
   --
   19
   11
   --
   8 ← remainder

```

$$7829 \div 13 = 602 \text{ remainder } 3$$

$$\begin{array}{r}
 602 \\
 13 \mid 7829 \\
 \underline{78} \\
 -- \\
 2 \\
 \underline{0} \\
 - \\
 29 \\
 \underline{26} \\
 -- \\
 3 \leftarrow \text{remainder}
 \end{array}$$

$$7829 \div 17 = 460 \text{ remainder } 9$$

$$\begin{array}{r}
 460 \\
 17 \mid 7829 \\
 \underline{68} \\
 -- \\
 102 \\
 \underline{102} \\
 --- \\
 9 \\
 \underline{0} \\
 - \\
 9 \leftarrow \text{remainder}
 \end{array}$$

$$7829 \div 19 = 412 \text{ remainder } 1$$

$$\begin{array}{r}
 412 \\
 19 \mid 7829 \\
 \underline{76} \\
 -- \\
 22 \\
 \underline{19} \\
 -- \\
 39 \\
 \underline{38} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7829 \div 23 = 340 \text{ remainder } 9$$

$$\begin{array}{r}
 340 \\
 23 \mid 7829
 \end{array}$$

```

69
--
92
92
--
9
0
-
9 ← remainder

```

$$7829 \div 29 = 269 \text{ remainder } 28$$

```

      269
29 | 7829
    58
    --
    202
    174
    ---
    289
    261
    ---
    28 ← remainder

```

$$7829 \div 31 = 252 \text{ remainder } 17$$

```

      252
31 | 7829
    62
    --
    162
    155
    ---
    79
    62
    --
    17 ← remainder

```

$$7829 \div 37 = 211 \text{ remainder } 22$$

```

      211
37 | 7829
    74
    --

```

```

42
37
--
59
37
--
22 ← remainder

```

$$7829 \div 41 = 190 \text{ remainder } 39$$

```

      190
41 | 7829
    41
    --
   372
   369
   ---
    39
    0
    -
    39 ← remainder

```

$$7829 \div 43 = 182 \text{ remainder } 3$$

```

      182
43 | 7829
    43
    --
   352
   344
   ---
    89
    86
    --
    3 ← remainder

```

$$7829 \div 47 = 166 \text{ remainder } 27$$

```

      166
47 | 7829
    47
    --
   312
   282

```

```

  ---
309
282
  ---
27 ← remainder

```

$$7829 \div 53 = 147 \text{ remainder } 38$$

```

    147
53 | 7829
    53
    --
    252
    212
    ---
    409
    371
    ---
    38 ← remainder

```

$$7829 \div 59 = 132 \text{ remainder } 41$$

```

    132
59 | 7829
    59
    --
    192
    177
    ---
    159
    118
    ---
    41 ← remainder

```

$$7829 \div 61 = 128 \text{ remainder } 21$$

```

    128
61 | 7829
    61
    --
    172
    122
    ---
    509

```

488

21 \leftarrow remainder

$$7829 \div 67 = 116 \text{ remainder } 57$$

116
67 | 7829
67

--

112

67

--

459

402

57 \leftarrow remainder

$$7829 \div 71 = 110 \text{ remainder } 19$$

110
71 | 7829
71

--

72

71

--

19

0

-

19 \leftarrow remainder

$$7829 \div 73 = 107 \text{ remainder } 18$$

107
73 | 7829
73

--

52

0

-

529

511

18 ← remainder

$$7829 \div 79 = 99 \text{ remainder } 8$$

99

$$79 \mid 7829$$

711

719

711

8 ← remainder

$$7829 \div 83 = 94 \text{ remainder } 27$$

94

$$83 \mid 7829$$

747

359

332

27 ← remainder

P₉₉₁ 7841

$$7841 \div 2 = 3920 \text{ remainder } 1$$

$$\begin{array}{r} 3920 \\ 2 \mid 7841 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 4 \\ \underline{4} \\ - \\ 1 \\ \underline{0} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7841 \div 3 = 2613 \text{ remainder } 2$$

$$\begin{array}{r} 2613 \\ 3 \mid 7841 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ - - \\ 4 \\ \underline{3} \\ - \\ 11 \\ \underline{9} \\ - \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7841 \div 5 = 1568 \text{ remainder } 1$$

$$\begin{array}{r} 1568 \\ 5 \mid 7841 \\ \underline{5} \\ - \end{array}$$

```

28
25
--
34
30
--
41
40
--
1 ← remainder

```

$$7841 \div 7 = 1120 \text{ remainder } 1$$

```

    1120
7 | 7841
  7
  -
   8
  7
  -
  14
 14
  --
   1
   0
   -
   1 ← remainder

```

$$7841 \div 11 = 712 \text{ remainder } 9$$

```

    712
11 | 7841
   77
   --
   14
   11
   --
   31
   22
   --
   9 ← remainder

```

$$7841 \div 13 = 603 \text{ remainder } 2$$

$$\begin{array}{r}
 603 \\
 13 \overline{) 7841} \\
 \underline{78} \\
 -- \\
 4 \\
 \underline{0} \\
 - \\
 41 \\
 \underline{39} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$7841 \div 17 = 461 \text{ remainder } 4$$

$$\begin{array}{r}
 461 \\
 17 \overline{) 7841} \\
 \underline{68} \\
 -- \\
 104 \\
 \underline{102} \\
 --- \\
 21 \\
 \underline{17} \\
 -- \\
 4 \leftarrow \text{remainder}
 \end{array}$$

$$7841 \div 19 = 412 \text{ remainder } 13$$

$$\begin{array}{r}
 412 \\
 19 \overline{) 7841} \\
 \underline{76} \\
 -- \\
 24 \\
 \underline{19} \\
 -- \\
 51 \\
 \underline{38} \\
 -- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$7841 \div 23 = 340 \text{ remainder } 21$$

$$\begin{array}{r}
 340 \\
 23 \overline{) 7841}
 \end{array}$$

```

69
--
94
92
--
21
0
-
21 ← remainder

```

$$7841 \div 29 = 270 \text{ remainder } 11$$

```

      270
29 | 7841
    58
    --
    204
    203
    ---
     11
     0
     -
     11 ← remainder

```

$$7841 \div 31 = 252 \text{ remainder } 29$$

```

      252
31 | 7841
    62
    --
    164
    155
    ---
     91
     62
     --
     29 ← remainder

```

$$7841 \div 37 = 211 \text{ remainder } 34$$

```

      211
37 | 7841
    74
    --

```

```

44
37
--
71
37
--
34 ← remainder

```

$$7841 \div 41 = 191 \text{ remainder } 10$$

```

      191
41 | 7841
    41
    --
   374
   369
   ---
    51
    41
    --
    10 ← remainder

```

$$7841 \div 43 = 182 \text{ remainder } 15$$

```

      182
43 | 7841
    43
    --
   354
   344
   ---
    101
    86
    --
    15 ← remainder

```

$$7841 \div 47 = 166 \text{ remainder } 39$$

```

      166
47 | 7841
    47
    --
   314
   282

```

```

  ---
 321
 282
  ---
 39 ← remainder

```

$$7841 \div 53 = 147 \text{ remainder } 50$$

```

    147
53 | 7841
    53
    --
    254
    212
    ---
    421
    371
    ---
    50 ← remainder

```

$$7841 \div 59 = 132 \text{ remainder } 53$$

```

    132
59 | 7841
    59
    --
    194
    177
    ---
    171
    118
    ---
    53 ← remainder

```

$$7841 \div 61 = 128 \text{ remainder } 33$$

```

    128
61 | 7841
    61
    --
    174
    122
    ---
    521

```

488

33 ← remainder

$$7841 \div 67 = 117 \text{ remainder } 2$$

```
      117
67 | 7841
    67
    --
    114
    67
    --
    471
    469
    ---
      2 ← remainder
```

$$7841 \div 71 = 110 \text{ remainder } 31$$

```
      110
71 | 7841
    71
    --
    74
    71
    --
    31
    0
    -
    31 ← remainder
```

$$7841 \div 73 = 107 \text{ remainder } 30$$

```
      107
73 | 7841
    73
    --
    54
    0
    -
    541
    511
```

30 ← remainder

$$7841 \div 79 = 99 \text{ remainder } 20$$

99
79 | 7841
711

731
711

20 ← remainder

$$7841 \div 83 = 94 \text{ remainder } 39$$

94
83 | 7841
747

371
332

39 ← remainder

P₉₉₂ 7853

$$7853 \div 2 = 3926 \text{ remainder } 1$$

$$\begin{array}{r} 3926 \\ 2 \mid 7853 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 5 \\ \underline{4} \\ - \\ 13 \\ \underline{12} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7853 \div 3 = 2617 \text{ remainder } 2$$

$$\begin{array}{r} 2617 \\ 3 \mid 7853 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 5 \\ \underline{3} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7853 \div 5 = 1570 \text{ remainder } 3$$

$$\begin{array}{r} 1570 \\ 5 \mid 7853 \\ \underline{5} \\ - \end{array}$$

```

28
25
--
35
35
--
3
0
-
3 ← remainder

```

$$7853 \div 7 = 1121 \text{ remainder } 6$$

```

  1121
7 | 7853
  7
  -
   8
   7
   -
  15
  14
  --
  13
   7
   -
   6 ← remainder

```

$$7853 \div 11 = 713 \text{ remainder } 10$$

```

   713
11 | 7853
   77
   --
   15
   11
   --
   43
   33
   --
  10 ← remainder

```

$$7853 \div 13 = 604 \text{ remainder } 1$$

$$\begin{array}{r}
 604 \\
 13 \overline{) 7853} \\
 \underline{78} \\
 -- \\
 5 \\
 \underline{0} \\
 - \\
 53 \\
 \underline{52} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7853 \div 17 = 461 \text{ remainder } 16$$

$$\begin{array}{r}
 461 \\
 17 \overline{) 7853} \\
 \underline{68} \\
 -- \\
 105 \\
 \underline{102} \\
 --- \\
 33 \\
 \underline{17} \\
 -- \\
 16 \leftarrow \text{remainder}
 \end{array}$$

$$7853 \div 19 = 413 \text{ remainder } 6$$

$$\begin{array}{r}
 413 \\
 19 \overline{) 7853} \\
 \underline{76} \\
 -- \\
 25 \\
 \underline{19} \\
 -- \\
 63 \\
 \underline{57} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7853 \div 23 = 341 \text{ remainder } 10$$

$$\begin{array}{r}
 341 \\
 23 \overline{) 7853}
 \end{array}$$

```

69
--
95
92
--
33
23
--
10 ← remainder

```

$$7853 \div 29 = 270 \text{ remainder } 23$$

```

      270
29 | 7853
    58
    --
    205
    203
    ---
     23
     0
     -
     23 ← remainder

```

$$7853 \div 31 = 253 \text{ remainder } 10$$

```

      253
31 | 7853
    62
    --
    165
    155
    ---
    103
     93
     --
     10 ← remainder

```

$$7853 \div 37 = 212 \text{ remainder } 9$$

```

      212
37 | 7853
    74
    --

```

```

45
37
--
83
74
--
9 ← remainder

```

$$7853 \div 41 = 191 \text{ remainder } 22$$

```

      191
41 | 7853
    41
    --
   375
   369
   ---
    63
    41
    --
    22 ← remainder

```

$$7853 \div 43 = 182 \text{ remainder } 27$$

```

      182
43 | 7853
    43
    --
   355
   344
   ---
    113
    86
    --
    27 ← remainder

```

$$7853 \div 47 = 167 \text{ remainder } 4$$

```

      167
47 | 7853
    47
    --
   315
   282

```

```

---
333
329
---
4 ← remainder

```

$$7853 \div 53 = 148 \text{ remainder } 9$$

```

148
53 | 7853
   53
   --
   255
   212
   ---
   433
   424
   ---
   9 ← remainder

```

$$7853 \div 59 = 133 \text{ remainder } 6$$

```

133
59 | 7853
   59
   --
   195
   177
   ---
   183
   177
   ---
   6 ← remainder

```

$$7853 \div 61 = 128 \text{ remainder } 45$$

```

128
61 | 7853
   61
   --
   175
   122
   ---
   533

```

488

45 ← remainder

$$7853 \div 67 = 117 \text{ remainder } 14$$

```
      117
67 | 7853
    67
    --
    115
    67
    --
    483
    469
    ---
    14 ← remainder
```

$$7853 \div 71 = 110 \text{ remainder } 43$$

```
      110
71 | 7853
    71
    --
    75
    71
    --
    43
    0
    -
    43 ← remainder
```

$$7853 \div 73 = 107 \text{ remainder } 42$$

```
      107
73 | 7853
    73
    --
    55
    0
    -
    553
    511
```

42 ← remainder

$$7853 \div 79 = 99 \text{ remainder } 32$$

99
79 | 7853
711

743
711

32 ← remainder

$$7853 \div 83 = 94 \text{ remainder } 51$$

94
83 | 7853
747

383
332

51 ← remainder

P₉₉₃ 7867

$$7867 \div 2 = 3933 \text{ remainder } 1$$

$$\begin{array}{r} 3933 \\ 2 \mid 7867 \\ \underline{6} \\ 18 \\ \underline{18} \\ 6 \\ \underline{6} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 3 = 2622 \text{ remainder } 1$$

$$\begin{array}{r} 2622 \\ 3 \mid 7867 \\ \underline{6} \\ 18 \\ \underline{18} \\ 6 \\ \underline{6} \\ 0 \\ \underline{0} \\ 7 \\ \underline{6} \\ 1 \end{array} \leftarrow \text{remainder}$$

$$7867 \div 5 = 1573 \text{ remainder } 2$$

$$\begin{array}{r} 1573 \\ 5 \mid 7867 \\ \underline{5} \\ 28 \\ \underline{25} \\ 36 \\ \underline{35} \\ 17 \\ \underline{15} \\ 2 \end{array}$$

```

28
25
--
36
35
--
17
15
--
2 ← remainder

```

$$7867 \div 7 = 1123 \text{ remainder } 6$$

```

  1123
7 | 7867
  7
  -
   8
   7
   -
  16
  14
  --
  27
  21
  --
  6 ← remainder

```

$$7867 \div 11 = 715 \text{ remainder } 2$$

```

   715
11 | 7867
   77
   --
   16
   11
   --
   57
   55
   --
   2 ← remainder

```

$$7867 \div 13 = 605 \text{ remainder } 2$$

$$\begin{array}{r}
 605 \\
 13 \mid 7867 \\
 \underline{78} \\
 -- \\
 6 \\
 0 \\
 - \\
 67 \\
 \underline{65} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$7867 \div 17 = 462 \text{ remainder } 13$$

$$\begin{array}{r}
 462 \\
 17 \mid 7867 \\
 \underline{68} \\
 -- \\
 106 \\
 \underline{102} \\
 --- \\
 47 \\
 \underline{34} \\
 -- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$7867 \div 19 = 414 \text{ remainder } 1$$

$$\begin{array}{r}
 414 \\
 19 \mid 7867 \\
 \underline{76} \\
 -- \\
 26 \\
 \underline{19} \\
 -- \\
 77 \\
 \underline{76} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7867 \div 23 = 342 \text{ remainder } 1$$

$$\begin{array}{r}
 342 \\
 23 \mid 7867
 \end{array}$$

```

69
--
96
92
--
47
46
--
1 ← remainder

```

$$7867 \div 29 = 271 \text{ remainder } 8$$

```

      271
29 | 7867
    58
    --
    206
    203
    ---
     37
     29
     --
     8 ← remainder

```

$$7867 \div 31 = 253 \text{ remainder } 24$$

```

      253
31 | 7867
    62
    --
    166
    155
    ---
    117
    93
    --
    24 ← remainder

```

$$7867 \div 37 = 212 \text{ remainder } 23$$

```

      212
37 | 7867
    74
    --

```

```

46
37
--
97
74
--
23 ← remainder

```

$$7867 \div 41 = 191 \text{ remainder } 36$$

```

      191
41 | 7867
    41
    --
   376
   369
   ---
    77
    41
    --
    36 ← remainder

```

$$7867 \div 43 = 182 \text{ remainder } 41$$

```

      182
43 | 7867
    43
    --
   356
   344
   ---
    127
    86
    --
    41 ← remainder

```

$$7867 \div 47 = 167 \text{ remainder } 18$$

```

      167
47 | 7867
    47
    --
   316
   282

```

```

  ---
 347
 329
  ---
 18 ← remainder

```

$$7867 \div 53 = 148 \text{ remainder } 23$$

```

    148
53 | 7867
    53
    --
    256
    212
    ---
    447
    424
    ---
    23 ← remainder

```

$$7867 \div 59 = 133 \text{ remainder } 20$$

```

    133
59 | 7867
    59
    --
    196
    177
    ---
    197
    177
    ---
    20 ← remainder

```

$$7867 \div 61 = 128 \text{ remainder } 59$$

```

    128
61 | 7867
    61
    --
    176
    122
    ---
    547

```

488

59 ← remainder

$$7867 \div 67 = 117 \text{ remainder } 28$$

```
      117
67 | 7867
    67
    --
    116
    67
    --
    497
    469
    ---
    28 ← remainder
```

$$7867 \div 71 = 110 \text{ remainder } 57$$

```
      110
71 | 7867
    71
    --
    76
    71
    --
    57
    0
    -
    57 ← remainder
```

$$7867 \div 73 = 107 \text{ remainder } 56$$

```
      107
73 | 7867
    73
    --
    56
    0
    -
    567
    511
```

56 ← remainder

$$7867 \div 79 = 99 \text{ remainder } 46$$

99
79 | 7867
711

757
711

46 ← remainder

$$7867 \div 83 = 94 \text{ remainder } 65$$

94
83 | 7867
747

397
332

65 ← remainder

P₉₉₄ 7873

$$7873 \div 2 = 3936 \text{ remainder } 1$$

$$\begin{array}{r} 3936 \\ 2 \mid 7873 \\ \underline{6} \\ 18 \\ \underline{18} \\ 7 \\ \underline{6} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7873 \div 3 = 2624 \text{ remainder } 1$$

$$\begin{array}{r} 2624 \\ 3 \mid 7873 \\ \underline{6} \\ 18 \\ \underline{18} \\ 7 \\ \underline{6} \\ 13 \\ \underline{12} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7873 \div 5 = 1574 \text{ remainder } 3$$

$$\begin{array}{r} 1574 \\ 5 \mid 7873 \\ \underline{5} \\ \end{array}$$

```

28
25
--
37
35
--
23
20
--
3 ← remainder

```

$$7873 \div 7 = 1124 \text{ remainder } 5$$

```

    1124
7 | 7873
  7
  -
   8
   7
   -
  17
  14
  --
  33
  28
  --
  5 ← remainder

```

$$7873 \div 11 = 715 \text{ remainder } 8$$

```

    715
11 | 7873
   77
   --
   17
   11
   --
   63
   55
   --
   8 ← remainder

```

$$7873 \div 13 = 605 \text{ remainder } 8$$

$$\begin{array}{r}
 605 \\
 13 \mid 7873 \\
 \underline{78} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 73 \\
 \underline{65} \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$7873 \div 17 = 463 \text{ remainder } 2$$

$$\begin{array}{r}
 463 \\
 17 \mid 7873 \\
 \underline{68} \\
 -- \\
 107 \\
 \underline{102} \\
 --- \\
 53 \\
 \underline{51} \\
 -- \\
 2 \leftarrow \text{remainder}
 \end{array}$$

$$7873 \div 19 = 414 \text{ remainder } 7$$

$$\begin{array}{r}
 414 \\
 19 \mid 7873 \\
 \underline{76} \\
 -- \\
 27 \\
 \underline{19} \\
 -- \\
 83 \\
 \underline{76} \\
 -- \\
 7 \leftarrow \text{remainder}
 \end{array}$$

$$7873 \div 23 = 342 \text{ remainder } 7$$

$$\begin{array}{r}
 342 \\
 23 \mid 7873
 \end{array}$$

```

69
--
97
92
--
53
46
--
7 ← remainder

```

$$7873 \div 29 = 271 \text{ remainder } 14$$

```

      271
29 | 7873
    58
    --
    207
    203
    ---
     43
     29
     --
     14 ← remainder

```

$$7873 \div 31 = 253 \text{ remainder } 30$$

```

      253
31 | 7873
    62
    --
    167
    155
    ---
    123
    93
    --
    30 ← remainder

```

$$7873 \div 37 = 212 \text{ remainder } 29$$

```

      212
37 | 7873
    74
    --

```

```

47
37
--
103
74
--
29 ← remainder

```

$$7873 \div 41 = 192 \text{ remainder } 1$$

```

      192
41 | 7873
    41
    --
   377
   369
   ---
    83
    82
    --
    1 ← remainder

```

$$7873 \div 43 = 183 \text{ remainder } 4$$

```

      183
43 | 7873
    43
    --
   357
   344
   ---
    133
    129
    ---
     4 ← remainder

```

$$7873 \div 47 = 167 \text{ remainder } 24$$

```

      167
47 | 7873
    47
    --
   317
   282

```

```

---
353
329
---
24 ← remainder

```

$$7873 \div 53 = 148 \text{ remainder } 29$$

```

148
53 | 7873
   53
   --
   257
   212
   ---
   453
   424
   ---
   29 ← remainder

```

$$7873 \div 59 = 133 \text{ remainder } 26$$

```

133
59 | 7873
   59
   --
   197
   177
   ---
   203
   177
   ---
   26 ← remainder

```

$$7873 \div 61 = 129 \text{ remainder } 4$$

```

129
61 | 7873
   61
   --
   177
   122
   ---
   553

```

549

4 ← remainder

$$7873 \div 67 = 117 \text{ remainder } 34$$

```
      117
67 | 7873
    67
    --
    117
    67
    --
    503
    469
    ---
    34 ← remainder
```

$$7873 \div 71 = 110 \text{ remainder } 63$$

```
      110
71 | 7873
    71
    --
    77
    71
    --
    63
    0
    -
    63 ← remainder
```

$$7873 \div 73 = 107 \text{ remainder } 62$$

```
      107
73 | 7873
    73
    --
    57
    0
    -
    573
    511
```

62 ← remainder

$$7873 \div 79 = 99 \text{ remainder } 52$$

99
79 | 7873
711

763
711

52 ← remainder

$$7873 \div 83 = 94 \text{ remainder } 71$$

94
83 | 7873
747

403
332

71 ← remainder

P₉₉₅ 7877

$$7877 \div 2 = 3938 \text{ remainder } 1$$

$$\begin{array}{r} 3938 \\ 2 \mid 7877 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{16} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7877 \div 3 = 2625 \text{ remainder } 2$$

$$\begin{array}{r} 2625 \\ 3 \mid 7877 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7877 \div 5 = 1575 \text{ remainder } 2$$

$$\begin{array}{r} 1575 \\ 5 \mid 7877 \\ \underline{5} \\ - \end{array}$$

```

28
25
--
37
35
--
27
25
--
2 ← remainder

```

$$7877 \div 7 = 1125 \text{ remainder } 2$$

```

    1125
7 | 7877
  7
  -
   8
   7
   -
  17
  14
  --
   37
   35
   --
    2 ← remainder

```

$$7877 \div 11 = 716 \text{ remainder } 1$$

```

    716
11 | 7877
   77
   --
   17
   11
   --
   67
   66
   --
    1 ← remainder

```

$$7877 \div 13 = 605 \text{ remainder } 12$$

$$\begin{array}{r}
 605 \\
 13 \mid 7877 \\
 \underline{78} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 77 \\
 \underline{65} \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$7877 \div 17 = 463 \text{ remainder } 6$$

$$\begin{array}{r}
 463 \\
 17 \mid 7877 \\
 \underline{68} \\
 -- \\
 107 \\
 \underline{102} \\
 --- \\
 57 \\
 \underline{51} \\
 -- \\
 6 \leftarrow \text{remainder}
 \end{array}$$

$$7877 \div 19 = 414 \text{ remainder } 11$$

$$\begin{array}{r}
 414 \\
 19 \mid 7877 \\
 \underline{76} \\
 -- \\
 27 \\
 \underline{19} \\
 -- \\
 87 \\
 \underline{76} \\
 -- \\
 11 \leftarrow \text{remainder}
 \end{array}$$

$$7877 \div 23 = 342 \text{ remainder } 11$$

$$\begin{array}{r}
 342 \\
 23 \mid 7877
 \end{array}$$

```

69
--
97
92
--
57
46
--
11 ← remainder

```

$$7877 \div 29 = 271 \text{ remainder } 18$$

```

      271
29 | 7877
    58
    --
    207
    203
    ---
     47
     29
     --
     18 ← remainder

```

$$7877 \div 31 = 254 \text{ remainder } 3$$

```

      254
31 | 7877
    62
    --
    167
    155
    ---
    127
    124
    ---
     3 ← remainder

```

$$7877 \div 37 = 212 \text{ remainder } 33$$

```

      212
37 | 7877
    74
    --

```

```

47
37
--
107
74
--
33 ← remainder

```

$$7877 \div 41 = 192 \text{ remainder } 5$$

```

      192
41 | 7877
    41
    --
   377
   369
   ---
    87
    82
    --
    5 ← remainder

```

$$7877 \div 43 = 183 \text{ remainder } 8$$

```

      183
43 | 7877
    43
    --
   357
   344
   ---
    137
    129
    ---
     8 ← remainder

```

$$7877 \div 47 = 167 \text{ remainder } 28$$

```

      167
47 | 7877
    47
    --
   317
   282

```

```

  ---
357
329
  ---
28 ← remainder

```

$$7877 \div 53 = 148 \text{ remainder } 33$$

```

  148
53 | 7877
   53
   --
  257
  212
   ---
   457
   424
   ---
   33 ← remainder

```

$$7877 \div 59 = 133 \text{ remainder } 30$$

```

  133
59 | 7877
   59
   --
  197
  177
   ---
  207
  177
   ---
   30 ← remainder

```

$$7877 \div 61 = 129 \text{ remainder } 8$$

```

  129
61 | 7877
   61
   --
  177
  122
   ---
  557

```

549

8 ← remainder

$$7877 \div 67 = 117 \text{ remainder } 38$$

```
      117
67 | 7877
    67
    --
    117
    67
    --
    507
    469
    ---
    38 ← remainder
```

$$7877 \div 71 = 110 \text{ remainder } 67$$

```
      110
71 | 7877
    71
    --
    77
    71
    --
    67
    0
    -
    67 ← remainder
```

$$7877 \div 73 = 107 \text{ remainder } 66$$

```
      107
73 | 7877
    73
    --
    57
    0
    -
    577
    511
```

66 ← remainder

$$7877 \div 79 = 99 \text{ remainder } 56$$

99
79 | 7877
711

767
711

56 ← remainder

$$7877 \div 83 = 94 \text{ remainder } 75$$

94
83 | 7877
747

407
332

75 ← remainder

P₉₉₆ 7879

$$7879 \div 2 = 3939 \text{ remainder } 1$$

$$\begin{array}{r} 3939 \\ 2 \mid 7879 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7879 \div 3 = 2626 \text{ remainder } 1$$

$$\begin{array}{r} 2626 \\ 3 \mid 7879 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 7 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7879 \div 5 = 1575 \text{ remainder } 4$$

$$\begin{array}{r} 1575 \\ 5 \mid 7879 \\ \underline{5} \\ - \end{array}$$

```

28
25
--
37
35
--
29
25
--
4 ← remainder

```

$$7879 \div 7 = 1125 \text{ remainder } 4$$

```

    1125
7 | 7879
  7
  -
   8
   7
   -
  17
  14
  --
   39
   35
   --
    4 ← remainder

```

$$7879 \div 11 = 716 \text{ remainder } 3$$

```

    716
11 | 7879
   77
   --
   17
   11
   --
   69
   66
   --
    3 ← remainder

```

$$7879 \div 13 = 606 \text{ remainder } 1$$

$$\begin{array}{r}
 606 \\
 13 \mid 7879 \\
 \underline{78} \\
 -- \\
 7 \\
 \underline{0} \\
 - \\
 79 \\
 \underline{78} \\
 -- \\
 1 \leftarrow \text{remainder}
 \end{array}$$

$$7879 \div 17 = 463 \text{ remainder } 8$$

$$\begin{array}{r}
 463 \\
 17 \mid 7879 \\
 \underline{68} \\
 -- \\
 107 \\
 \underline{102} \\
 --- \\
 59 \\
 \underline{51} \\
 -- \\
 8 \leftarrow \text{remainder}
 \end{array}$$

$$7879 \div 19 = 414 \text{ remainder } 13$$

$$\begin{array}{r}
 414 \\
 19 \mid 7879 \\
 \underline{76} \\
 -- \\
 27 \\
 \underline{19} \\
 -- \\
 89 \\
 \underline{76} \\
 -- \\
 13 \leftarrow \text{remainder}
 \end{array}$$

$$7879 \div 23 = 342 \text{ remainder } 13$$

$$\begin{array}{r}
 342 \\
 23 \mid 7879
 \end{array}$$

```

69
--
97
92
--
59
46
--
13 ← remainder

```

$$7879 \div 29 = 271 \text{ remainder } 20$$

```

      271
29 | 7879
    58
    --
    207
    203
    ---
     49
     29
     --
     20 ← remainder

```

$$7879 \div 31 = 254 \text{ remainder } 5$$

```

      254
31 | 7879
    62
    --
    167
    155
    ---
    129
    124
    ---
     5 ← remainder

```

$$7879 \div 37 = 212 \text{ remainder } 35$$

```

      212
37 | 7879
    74
    --

```

```

47
37
--
109
74
--
35 ← remainder

```

$$7879 \div 41 = 192 \text{ remainder } 7$$

```

      192
41 | 7879
    41
    --
    377
    369
    ---
     89
     82
     --
     7 ← remainder

```

$$7879 \div 43 = 183 \text{ remainder } 10$$

```

      183
43 | 7879
    43
    --
    357
    344
    ---
    139
    129
    ---
    10 ← remainder

```

$$7879 \div 47 = 167 \text{ remainder } 30$$

```

      167
47 | 7879
    47
    --
    317
    282

```

```

  ---
 359
 329
  ---
 30 ← remainder

```

$$7879 \div 53 = 148 \text{ remainder } 35$$

```

    148
53 | 7879
    53
    --
    257
    212
    ---
    459
    424
    ---
    35 ← remainder

```

$$7879 \div 59 = 133 \text{ remainder } 32$$

```

    133
59 | 7879
    59
    --
    197
    177
    ---
    209
    177
    ---
    32 ← remainder

```

$$7879 \div 61 = 129 \text{ remainder } 10$$

```

    129
61 | 7879
    61
    --
    177
    122
    ---
    559

```

549

10 ← remainder

$$7879 \div 67 = 117 \text{ remainder } 40$$

```
      117
67 | 7879
    67
    --
    117
    67
    --
    509
    469
    ---
    40 ← remainder
```

$$7879 \div 71 = 110 \text{ remainder } 69$$

```
      110
71 | 7879
    71
    --
    77
    71
    --
    69
    0
    -
    69 ← remainder
```

$$7879 \div 73 = 107 \text{ remainder } 68$$

```
      107
73 | 7879
    73
    --
    57
    0
    -
    579
    511
```

68 ← remainder

$$7879 \div 79 = 99 \text{ remainder } 58$$

99
79 | 7879
711

769
711

58 ← remainder

$$7879 \div 83 = 94 \text{ remainder } 77$$

94
83 | 7879
747

409
332

77 ← remainder

P₉₉₇ 7883

$$7883 \div 2 = 3941 \text{ remainder } 1$$

$$\begin{array}{r} 3941 \\ 2 \mid 7883 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 8 \\ \underline{8} \\ - \\ 3 \\ \underline{2} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7883 \div 3 = 2627 \text{ remainder } 2$$

$$\begin{array}{r} 2627 \\ 3 \mid 7883 \\ \underline{6} \\ - \\ 18 \\ \underline{18} \\ -- \\ 8 \\ \underline{6} \\ - \\ 23 \\ \underline{21} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7883 \div 5 = 1576 \text{ remainder } 3$$

$$\begin{array}{r} 1576 \\ 5 \mid 7883 \\ \underline{5} \\ - \end{array}$$

```

28
25
--
38
35
--
33
30
--
3 ← remainder

```

$$7883 \div 7 = 1126 \text{ remainder } 1$$

```

    1126
7 | 7883
  7
  -
   8
  7
  -
  18
 14
  --
  43
 42
  --
   1 ← remainder

```

$$7883 \div 11 = 716 \text{ remainder } 7$$

```

    716
11 | 7883
   77
   --
   18
   11
   --
   73
   66
   --
    7 ← remainder

```

$$7883 \div 13 = 606 \text{ remainder } 5$$

$$\begin{array}{r}
 606 \\
 13 \mid 7883 \\
 \underline{78} \\
 -- \\
 8 \\
 \underline{0} \\
 - \\
 83 \\
 \underline{78} \\
 -- \\
 5 \leftarrow \text{remainder}
 \end{array}$$

$$7883 \div 17 = 463 \text{ remainder } 12$$

$$\begin{array}{r}
 463 \\
 17 \mid 7883 \\
 \underline{68} \\
 -- \\
 108 \\
 \underline{102} \\
 --- \\
 63 \\
 \underline{51} \\
 -- \\
 12 \leftarrow \text{remainder}
 \end{array}$$

$$7883 \div 19 = 414 \text{ remainder } 17$$

$$\begin{array}{r}
 414 \\
 19 \mid 7883 \\
 \underline{76} \\
 -- \\
 28 \\
 \underline{19} \\
 -- \\
 93 \\
 \underline{76} \\
 -- \\
 17 \leftarrow \text{remainder}
 \end{array}$$

$$7883 \div 23 = 342 \text{ remainder } 17$$

$$\begin{array}{r}
 342 \\
 23 \mid 7883
 \end{array}$$

```

69
--
98
92
--
63
46
--
17 ← remainder

```

$$7883 \div 29 = 271 \text{ remainder } 24$$

```

      271
29 | 7883
    58
    --
    208
    203
    ---
     53
     29
     --
     24 ← remainder

```

$$7883 \div 31 = 254 \text{ remainder } 9$$

```

      254
31 | 7883
    62
    --
    168
    155
    ---
    133
    124
    ---
     9 ← remainder

```

$$7883 \div 37 = 213 \text{ remainder } 2$$

```

      213
37 | 7883
    74
    --

```

```

48
37
--
113
111
---
2 ← remainder

```

$$7883 \div 41 = 192 \text{ remainder } 11$$

```

      192
41 | 7883
    41
    --
   378
   369
   ---
    93
    82
    --
    11 ← remainder

```

$$7883 \div 43 = 183 \text{ remainder } 14$$

```

      183
43 | 7883
    43
    --
   358
   344
   ---
    143
    129
    ---
    14 ← remainder

```

$$7883 \div 47 = 167 \text{ remainder } 34$$

```

      167
47 | 7883
    47
    --
   318
   282

```

```

  ---
363
329
  ---
34 ← remainder

```

$$7883 \div 53 = 148 \text{ remainder } 39$$

```

  148
53 | 7883
   53
   --
  258
  212
   ---
   463
   424
   ---
   39 ← remainder

```

$$7883 \div 59 = 133 \text{ remainder } 36$$

```

  133
59 | 7883
   59
   --
  198
  177
   ---
  213
  177
   ---
   36 ← remainder

```

$$7883 \div 61 = 129 \text{ remainder } 14$$

```

  129
61 | 7883
   61
   --
  178
  122
   ---
   563

```

549

14 \leftarrow remainder

$$7883 \div 67 = 117 \text{ remainder } 44$$

```
      117
67 | 7883
    67
    --
    118
    67
    --
    513
    469
    ---
    44  $\leftarrow$  remainder
```

$$7883 \div 71 = 111 \text{ remainder } 2$$

```
      111
71 | 7883
    71
    --
    78
    71
    --
    73
    71
    --
    2  $\leftarrow$  remainder
```

$$7883 \div 73 = 107 \text{ remainder } 72$$

```
      107
73 | 7883
    73
    --
    58
    0
    -
    583
    511
```

72 ← remainder

$$7883 \div 79 = 99 \text{ remainder } 62$$

99
79 | 7883
711

773
711

62 ← remainder

$$7883 \div 83 = 94 \text{ remainder } 81$$

94
83 | 7883
747

413
332

81 ← remainder

P₉₉₈ 7901

$$7901 \div 2 = 3950 \text{ remainder } 1$$

$$\begin{array}{r} 3950 \\ 2 \mid 7901 \\ \underline{6} \\ 19 \\ \underline{18} \\ 10 \\ \underline{10} \\ 0 \\ \underline{0} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7901 \div 3 = 2633 \text{ remainder } 2$$

$$\begin{array}{r} 2633 \\ 3 \mid 7901 \\ \underline{6} \\ 19 \\ \underline{18} \\ 10 \\ \underline{9} \\ 11 \\ \underline{9} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7901 \div 5 = 1580 \text{ remainder } 1$$

$$\begin{array}{r} 1580 \\ 5 \mid 7901 \\ \underline{5} \\ \end{array}$$

```

29
25
--
40
40
--
1
0
-
1 ← remainder

```

$$7901 \div 7 = 1128 \text{ remainder } 5$$

```

1128
7 | 7901
  7
  -
  9
  7
  -
 20
 14
  --
 61
 56
  --
  5 ← remainder

```

$$7901 \div 11 = 718 \text{ remainder } 3$$

```

718
11 | 7901
   77
   --
   20
   11
   --
   91
   88
   --
   3 ← remainder

```

$$7901 \div 13 = 607 \text{ remainder } 10$$


```

      607
13 | 7901
    78
    --
    10
    0
    -
    101
    91
    --
    10 ← remainder

```

$7901 \div 17 = 464 \text{ remainder } 13$

```

      464
17 | 7901
    68
    --
    110
    102
    ---
    81
    68
    --
    13 ← remainder

```

$7901 \div 19 = 415 \text{ remainder } 16$

```

      415
19 | 7901
    76
    --
    30
    19
    --
    111
    95
    --
    16 ← remainder

```

$7901 \div 23 = 343 \text{ remainder } 12$

```

      343
23 | 7901

```

```

69
--
100
92
--
81
69
--
12 ← remainder

```

$$7901 \div 29 = 272 \text{ remainder } 13$$

```

      272
29 | 7901
    58
    --
    210
    203
    ---
     71
     58
     --
    13 ← remainder

```

$$7901 \div 31 = 254 \text{ remainder } 27$$

```

      254
31 | 7901
    62
    --
    170
    155
    ---
    151
    124
    ---
    27 ← remainder

```

$$7901 \div 37 = 213 \text{ remainder } 20$$

```

      213
37 | 7901
    74
    --

```

```

50
37
--
131
111
---
20 ← remainder

```

$$7901 \div 41 = 192 \text{ remainder } 29$$

```

      192
41 | 7901
    41
    --
   380
   369
   ---
   111
   82
   --
   29 ← remainder

```

$$7901 \div 43 = 183 \text{ remainder } 32$$

```

      183
43 | 7901
    43
    --
   360
   344
   ---
   161
   129
   ---
   32 ← remainder

```

$$7901 \div 47 = 168 \text{ remainder } 5$$

```

      168
47 | 7901
    47
    --
   320
   282

```

```

  ---
 381
 376
  ---
 5 ← remainder

```

$$7901 \div 53 = 149 \text{ remainder } 4$$

```

    149
53 | 7901
    53
   --
   260
   212
   ---
   481
   477
   ---
   4 ← remainder

```

$$7901 \div 59 = 133 \text{ remainder } 54$$

```

    133
59 | 7901
    59
   --
   200
   177
   ---
   231
   177
   ---
   54 ← remainder

```

$$7901 \div 61 = 129 \text{ remainder } 32$$

```

    129
61 | 7901
    61
   --
   180
   122
   ---
   581

```

549

32 ← remainder

$$7901 \div 67 = 117 \text{ remainder } 62$$

```
      117
67 | 7901
    67
    --
    120
    67
    --
    531
    469
    ---
    62 ← remainder
```

$$7901 \div 71 = 111 \text{ remainder } 20$$

```
      111
71 | 7901
    71
    --
    80
    71
    --
    91
    71
    --
    20 ← remainder
```

$$7901 \div 73 = 108 \text{ remainder } 17$$

```
      108
73 | 7901
    73
    --
    60
    0
    -
    601
    584
```

17 ← remainder

$$7901 \div 79 = 100 \text{ remainder } 1$$

100
79 | 7901
79
--
0
0
-
1
0
-
1 ← remainder

$$7901 \div 83 = 95 \text{ remainder } 16$$

95
83 | 7901
747

431
415

16 ← remainder

P₉₉₉ 7907

$$7907 \div 2 = 3953 \text{ remainder } 1$$

$$\begin{array}{r} 3953 \\ 2 \mid 7907 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 10 \\ \underline{10} \\ -- \\ 7 \\ \underline{6} \\ - \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7907 \div 3 = 2635 \text{ remainder } 2$$

$$\begin{array}{r} 2635 \\ 3 \mid 7907 \\ \underline{6} \\ - \\ 19 \\ \underline{18} \\ -- \\ 10 \\ \underline{9} \\ - \\ 17 \\ \underline{15} \\ -- \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7907 \div 5 = 1581 \text{ remainder } 2$$

$$\begin{array}{r} 1581 \\ 5 \mid 7907 \\ \underline{5} \\ - \end{array}$$

```

29
25
--
40
40
--
7
5
-
2 ← remainder

```

$$7907 \div 7 = 1129 \text{ remainder } 4$$

```

1129
7 | 7907
  7
  -
  9
  7
  -
 20
 14
  --
 67
 63
  --
  4 ← remainder

```

$$7907 \div 11 = 718 \text{ remainder } 9$$

```

718
11 | 7907
   77
   --
   20
   11
   --
   97
   88
   --
   9 ← remainder

```

$$7907 \div 13 = 608 \text{ remainder } 3$$


```

      608
13 | 7907
    78
    --
    10
    0
    -
    107
    104
    ---
    3 ← remainder

```

$7907 \div 17 = 465 \text{ remainder } 2$

```

      465
17 | 7907
    68
    --
    110
    102
    ---
    87
    85
    --
    2 ← remainder

```

$7907 \div 19 = 416 \text{ remainder } 3$

```

      416
19 | 7907
    76
    --
    30
    19
    --
    117
    114
    ---
    3 ← remainder

```

$7907 \div 23 = 343 \text{ remainder } 18$

```

      343
23 | 7907

```

```

69
--
100
92
--
87
69
--
18 ← remainder

```

$$7907 \div 29 = 272 \text{ remainder } 19$$

```

      272
29 | 7907
    58
    --
    210
    203
    ---
     77
     58
     --
     19 ← remainder

```

$$7907 \div 31 = 255 \text{ remainder } 2$$

```

      255
31 | 7907
    62
    --
    170
    155
    ---
    157
    155
    ---
     2 ← remainder

```

$$7907 \div 37 = 213 \text{ remainder } 26$$

```

      213
37 | 7907
    74
    --

```

```

50
37
--
137
111
---
26 ← remainder

```

$$7907 \div 41 = 192 \text{ remainder } 35$$

```

      192
41 | 7907
    41
    --
    380
    369
    ---
    117
    82
    --
    35 ← remainder

```

$$7907 \div 43 = 183 \text{ remainder } 38$$

```

      183
43 | 7907
    43
    --
    360
    344
    ---
    167
    129
    ---
    38 ← remainder

```

$$7907 \div 47 = 168 \text{ remainder } 11$$

```

      168
47 | 7907
    47
    --
    320
    282

```

```

  ---
 387
 376
  ---
 11 ← remainder

```

$$7907 \div 53 = 149 \text{ remainder } 10$$

```

    149
53 | 7907
    53
   --
   260
   212
   ---
   487
   477
   ---
   10 ← remainder

```

$$7907 \div 59 = 134 \text{ remainder } 1$$

```

    134
59 | 7907
    59
   --
   200
   177
   ---
   237
   236
   ---
    1 ← remainder

```

$$7907 \div 61 = 129 \text{ remainder } 38$$

```

    129
61 | 7907
    61
   --
   180
   122
   ---
   587

```

549

38 ← remainder

$$7907 \div 67 = 118 \text{ remainder } 1$$

```
      118
67 | 7907
    67
    --
    120
    67
    --
    537
    536
    ---
      1 ← remainder
```

$$7907 \div 71 = 111 \text{ remainder } 26$$

```
      111
71 | 7907
    71
    --
    80
    71
    --
    97
    71
    --
    26 ← remainder
```

$$7907 \div 73 = 108 \text{ remainder } 23$$

```
      108
73 | 7907
    73
    --
    60
    0
    -
    607
    584
```

23 ← remainder

$$7907 \div 79 = 100 \text{ remainder } 7$$

100
79 | 7907
79
--
0
0
-
7
0
-
7 ← remainder

$$7907 \div 83 = 95 \text{ remainder } 22$$

95
83 | 7907
747

437
415

22 ← remainder

P₁₀₀₀ 7919

$$7919 \div 2 = 3959 \text{ remainder } 1$$

$$\begin{array}{r} 3959 \\ 2 \mid 7919 \\ \underline{6} \\ 19 \\ \underline{18} \\ 11 \\ \underline{10} \\ 19 \\ \underline{18} \\ 1 \leftarrow \text{remainder} \end{array}$$

$$7919 \div 3 = 2639 \text{ remainder } 2$$

$$\begin{array}{r} 2639 \\ 3 \mid 7919 \\ \underline{6} \\ 19 \\ \underline{18} \\ 11 \\ \underline{9} \\ 29 \\ \underline{27} \\ 2 \leftarrow \text{remainder} \end{array}$$

$$7919 \div 5 = 1583 \text{ remainder } 4$$

$$\begin{array}{r} 1583 \\ 5 \mid 7919 \\ \underline{5} \\ - \end{array}$$

```

29
25
--
41
40
--
19
15
--
4 ← remainder

```

$$7919 \div 7 = 1131 \text{ remainder } 2$$

```

    1131
7 | 7919
  7
  -
   9
   7
   -
  21
  21
  --
   9
   7
   -
   2 ← remainder

```

$$7919 \div 11 = 719 \text{ remainder } 10$$

```

    719
11 | 7919
   77
   --
   21
   11
   --
  109
   99
   --
   10 ← remainder

```

$$7919 \div 13 = 609 \text{ remainder } 2$$


```

      609
13 | 7919
    78
    --
    11
    0
    -
    119
    117
    ---
    2 ← remainder

```

$7919 \div 17 = 465 \text{ remainder } 14$

```

      465
17 | 7919
    68
    --
    111
    102
    ---
    99
    85
    --
    14 ← remainder

```

$7919 \div 19 = 416 \text{ remainder } 15$

```

      416
19 | 7919
    76
    --
    31
    19
    --
    129
    114
    ---
    15 ← remainder

```

$7919 \div 23 = 344 \text{ remainder } 7$

```

      344
23 | 7919

```

```

69
--
101
92
--
99
92
--
7 ← remainder

```

$$7919 \div 29 = 273 \text{ remainder } 2$$

```

      273
29 | 7919
    58
    --
    211
    203
    ---
     89
     87
     --
     2 ← remainder

```

$$7919 \div 31 = 255 \text{ remainder } 14$$

```

      255
31 | 7919
    62
    --
    171
    155
    ---
    169
    155
    ---
    14 ← remainder

```

$$7919 \div 37 = 214 \text{ remainder } 1$$

```

      214
37 | 7919
    74
    --

```

```

51
37
--
149
148
---
1 ← remainder

```

$$7919 \div 41 = 193 \text{ remainder } 6$$

```

      193
41 | 7919
    41
    --
   381
   369
   ---
   129
   123
   ---
    6 ← remainder

```

$$7919 \div 43 = 184 \text{ remainder } 7$$

```

      184
43 | 7919
    43
    --
   361
   344
   ---
   179
   172
   ---
    7 ← remainder

```

$$7919 \div 47 = 168 \text{ remainder } 23$$

```

      168
47 | 7919
    47
    --
   321
   282

```

```

  ---
 399
 376
  ---
 23 ← remainder

```

$$7919 \div 53 = 149 \text{ remainder } 22$$

```

    149
53 | 7919
    53
   --
   261
   212
   ---
   499
   477
   ---
   22 ← remainder

```

$$7919 \div 59 = 134 \text{ remainder } 13$$

```

    134
59 | 7919
    59
   --
   201
   177
   ---
   249
   236
   ---
   13 ← remainder

```

$$7919 \div 61 = 129 \text{ remainder } 50$$

```

    129
61 | 7919
    61
   --
   181
   122
   ---
   599

```

549

50 ← remainder

$$7919 \div 67 = 118 \text{ remainder } 13$$

```
      118
67 | 7919
    67
    --
    121
    67
    --
    549
    536
    ---
    13 ← remainder
```

$$7919 \div 71 = 111 \text{ remainder } 38$$

```
      111
71 | 7919
    71
    --
    81
    71
    --
    109
    71
    --
    38 ← remainder
```

$$7919 \div 73 = 108 \text{ remainder } 35$$

```
      108
73 | 7919
    73
    --
    61
    0
    -
    619
    584
```

35 ← remainder

$$7919 \div 79 = 100 \text{ remainder } 19$$

100
79 | 7919
79
--
1
0
-
19
0
-
19 ← remainder

$$7919 \div 83 = 95 \text{ remainder } 34$$

95
83 | 7919
747

449
415

34 ← remainder

