



ALL BRANCH (English)

General Aptitude

Quantitative Aptitude

DPP 06 Discussion Notes Number System





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What will be the remainder if 3193 is divided by 8?

- A 6
- **B** 1
- C 5

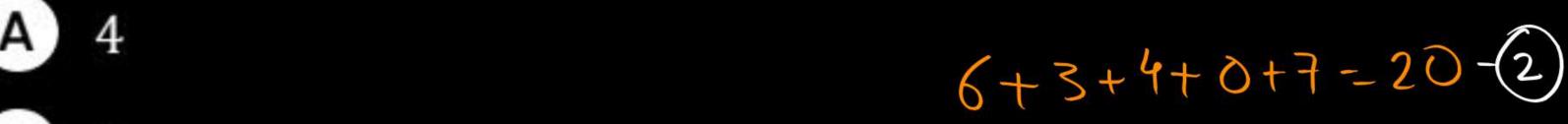
3

$$\frac{3}{3} = \frac{3}{8} + \frac{8}{8} + \frac{3}{8} = \frac{3}{8} + \frac{3}{8} = \frac{3}{8} + \frac{3}{8} = \frac{3}{8} + \frac{3}{8} = \frac{3}$$



What is the smallest number that when subtracted from 63407 makes it exactly divisible by 9?

63407





Find the remainder when 351 is divided by 5.

4)
$$51(12)$$
 $3 = 3 \div 5 \Rightarrow R = 3$
 $R = 1$
 48
 $3^2 = 9 \div 5 \Rightarrow R = 4$
 $3^3 = 27 \div 5 \Rightarrow R = 2$
 $3^4 = 81 \div 5 \Rightarrow R = 1$
 $3^5 = 343 \div 5 \Rightarrow R = 3$
 $3^5 = 343 \div 5 \Rightarrow R = 3$



If the number 653ab is divisible by 90, then (a + b) = ?

A 13
$$= \frac{4}{5} \qquad b = 0 \quad (: divisible by 10)$$
B 4
$$6 + 5 + 3 + 9 + 0 = 14$$
C 22
D 8
$$90 = 9 \times 10$$

$$10 + 4$$

$$4 + 4$$

$$90 = 9 \times 10$$

$$6 + 5 + 3 + 9 + 0 = 14$$

$$4 + 4$$

$$90 = 9 \times 10$$

$$4 + 4$$

$$90 = 9 \times 10$$

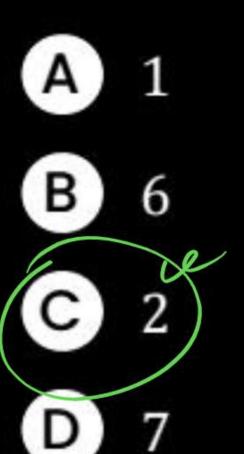
$$6 + 5 + 3 + 9 + 0 = 14$$

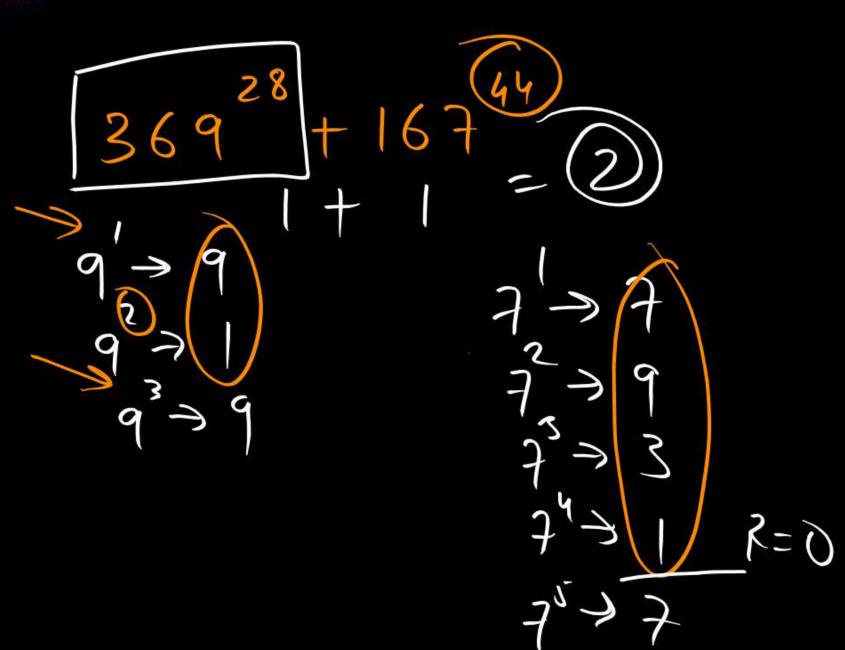
$$90 = 9 \times 10$$



What would be the unit digit in the answer of:

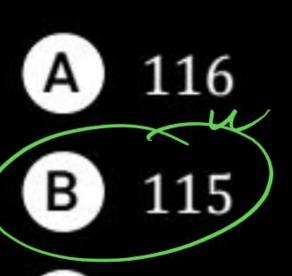
 $369^{28} + 167^{44}$







What is the least number that when divided by any of the numbers 7, 16, 28 leaves a remainder of 3?



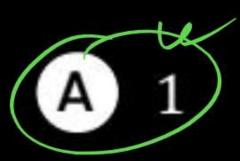
227

L.C.M of 7, 16, 28 =
$$\frac{112}{+3}$$

 $\frac{7}{1,16,28}$ = $\frac{112}{115}$
 $\frac{1}{1,16,4}$
 $\frac{1}{1,4,1}$
 $\frac{1}{1,4,1}$



The only natural number which is neither prime nor composite is?





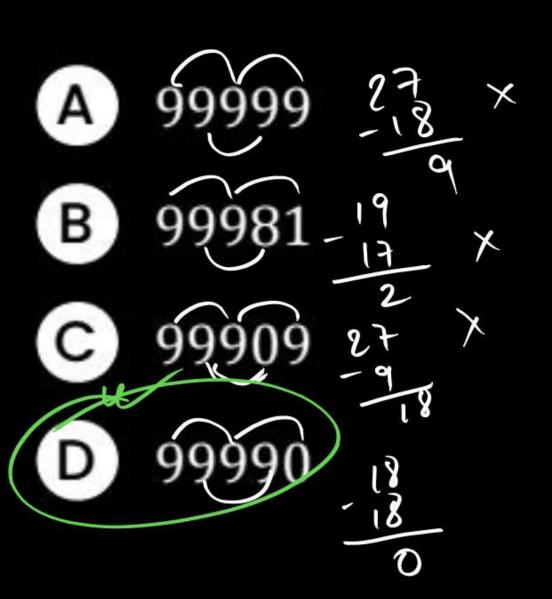


D 3





Which largest number of 5 digits is divisible by 99?





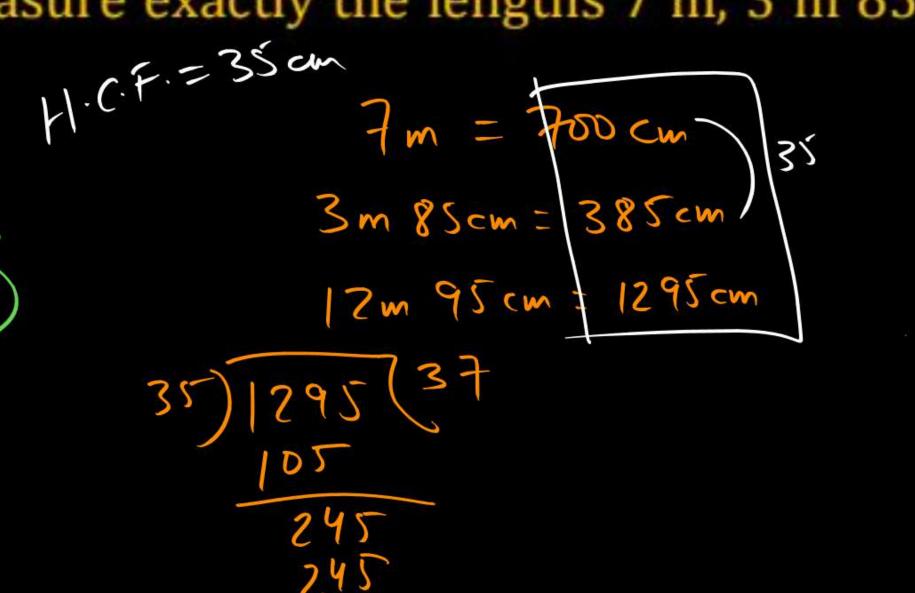
What should be greatest possible length of a scale which can be used to measure exactly the lengths 7 m, 3 m 85 cm, 12 m 95 cm is.

A 25 cm

B 35 cm

C 45 cm

D 55 cm



$$385$$
) 700 (1
 385) 385 (1
 315) 385 (1
 70) 315 (4 70) 315
 280 70 285 (2
 70 85



Find the least multiple of 7, which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is:

- A 94
- B 184 ×
- C 274 ×
- D 364)w/

