





Quantitative Aptitude

DPP 12 Discussion Notes
Number System









# What will be the remainder if 3 193 is divided by 8?

- **A** 6
- **B** 1
- C 5
  D 3

$$3 = 3, 3 = 8 \Rightarrow R = 31$$

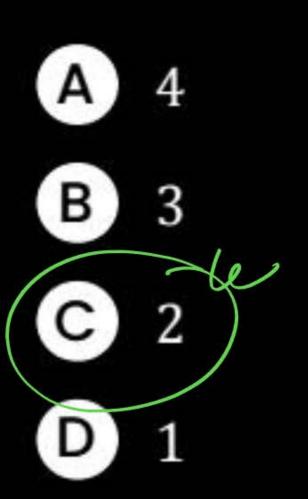
$$3 = -9, 9 = 8 \Rightarrow R = 31$$

$$3 = 27, 27 = 8 \Rightarrow R = 31$$

$$3 = 81, 81 = 8 \Rightarrow R = 1$$



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



$$6+3+4+0+7=20$$
 $(-2)$ 
 $(-2)$ 



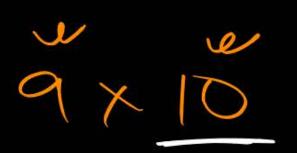
# Find the remainder when 3<sup>61</sup> is divided by 5.

- A 2
  - **B** 1
  - **C** 4
  - **D** 3

```
3=3,3-5, R->
3=9,9=5,R>4
3=27, 27:5, R>2
 3'-81, 81-5, R-1
3 = 243, 243 ÷ 5, R → 3
36 = 729, 729 ÷ 5, R → 4
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If the number 653ab is divisible by 90, then (a + b) = ?





What would be the unit digit in the answer of:

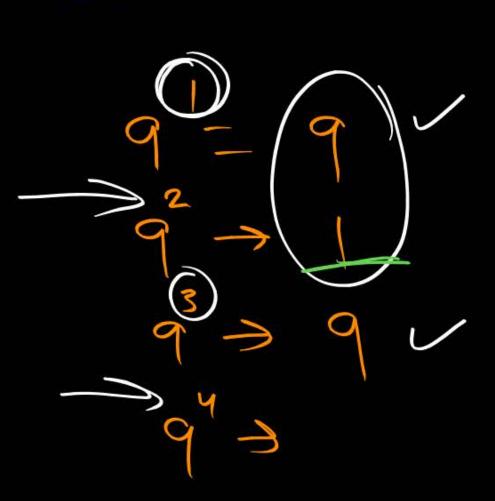
36928 + 16744



**B** 6

**C** 2

**D** 7





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

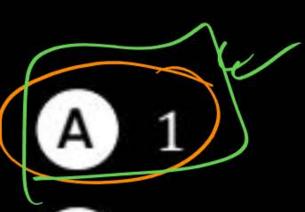
A 116
B 115

227

1.00 = 112



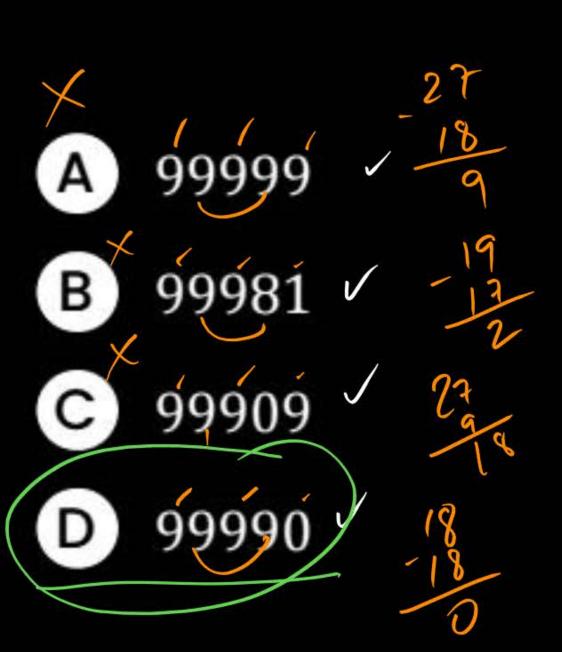
The only natural number which is neither prime nor composite is?

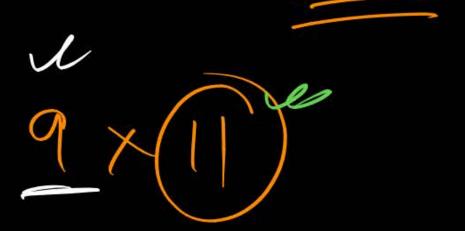


- **B** 0
- C 13
- **D** 3



#### 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



MCQ

90, 180, 270, 360, 450

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

- 184 ×
- 274 /

L.C.Mab 6,9, 15, 18-90

