

**SAMPLES OF  
APTITUDE  
QUESTION**

**SKILLGUN**

1 On dividing a certain number by 234, we get 43 as remainder. If the same number is divided by 13, what will be the remainder?

Toughness ★★★★★

- A. 6  
C. 4  
B. 9  
D. 7

Close

**Answer :** (C) 4

**Description :** Solution : suppose that on dividing the given number by 234, we get quotient= $x$  and remainder= 43 then, number=  $234x+43$ ----> (1).  
 $(13 \times 18x) + (13 \times 3) + 4 \Rightarrow 13(18x+3) + 4$ . So, the number when divided by 13 gives remainder=4.

**Tell us** [Submit new question](#) [Question is wrong](#) [Answer is wrong](#)

2 Find the remainder when  $3^{27}$  is divided by 5?

Toughness ★★★★★

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

Close

**Answer :** (B) 2

**Description :** Solution :  $3^{27} = (3^4)^6 \times (3^3) = (81^6) \times 27$  then unit digit of  $(81^6)$  is 1 so on multiplying with 27, unit digit in the result will be 7. now, 7 when divided by 5 gives 2 as remainder.

**Tell us** [Submit new question](#) [Question is wrong](#) [Answer is wrong](#)

3 How many natural numbers between 23 and 137 are divisible by 7?

Toughness ★★★★★

A. 12

B. 17

C. 16

D. 13

Close

**Answer :** (C) 16

**Description :** Solution : These numbers are 28, 35, 42,....., 133. This is in A.P. in which  $a=28$ ,  $d=(35-28)=7$  and  $L=133$ . Let the number of these terms be  $n$ . then,  
 $T_n=133$                        $a+(n-1)d=133$  by solving this we will get  $n=16$ .

**Tell us**

Submit new question

Question is wrong

Answer is wrong

4  $597x6$  is divisible by both 3 and 11. The non-zero digits in the Hundred's and ten's places are respectively:

Toughness ★★★★★

A. 3 and 6

B. 7 and 9

C. 2 and 6

D. 4 and 7

Close

**Answer :** (A) 3 and 6

**Description :** Solution : Let the given number be  $597xy6$ . Then  $(5+9+7+x+y+6)=(27+x+y)$  must be divisible by 3 And,  $(6+x+9)-(y+7+5)=(x-y+3)$  must be either 0 or divisible by 11.  $x-y+3=0 \Rightarrow y=x+3$   $27+x+y \Rightarrow (27+x+x+3) \Rightarrow (30+2x) \Rightarrow x=3$  and  $y=6$ .

**Tell us**

Submit new question

Question is wrong

Answer is wrong

5 what is the smallest number should be added to 5377 so that the sum is completely divisible by 7?

Toughness★★★★★

- A. 5  
B. 4  
C. 6  
D. 2

Close

**Answer :** (C) 6

**Description :** Solution: Divide 5377 with 7 we get remainder as 1. so, add 6 to the given number so that it will divisible by 7.

**Tell us**

Submit new question

Question is wrong

Answer is wrong

6 In a division sum, the divisor is 12 times the quotient and 6 times the remainder. If the remainder is 24, what is the dividend?

Toughness★★★★★

- A. 1738  
B. 1752  
C. 1846  
D. 1648

Close

**Answer :** (B) 1752

**Description :** Solution: Divident= [Divisor\*quotient]+Remainder ----> (1). Given divisor=6\*24=144.  $12 \times \text{quotient} = 144 \Rightarrow \text{quotient} = 144/12 = 12$ . substitute these values in the (1) then we get 1752 as dividend.

**Tell us**

Submit new question

Question is wrong

Answer is wrong

7 The difference of the cubes of two consecutive integers is divisible by which of the following integers?

Toughness ★★★★★

- A. 3  
B. 6  
C. 4  
D. 5

Close

**Answer :** (C) 4

**Description :** Solution: let take 2 consecutive even numbers 2 and 4.  
 $(4^3 - 2^3) = 64 - 8 = 56$  which is divisible by 4.

**Tell us**

Submit new question

Question is wrong

Answer is wrong

8 if the sum of 1st n integers is 55 then what is n?

Toughness ★★★★★

- A. 5  
B. 7  
C. 8  
D. 10

Close

**Answer :** (D) 10

**Description :**  $\text{sum} = \frac{n(n+1)}{2}$   
 $\text{sum} = 55$   
 $n^2 + n = 55 \cdot 2$   
 $n^2 + n - 110 = 0$   
 $(n-10)(n+11) = 0$   
 $n = 10, -11$ , neglect negative ans, answer = 10

**Tell us**

Submit new question

Question is wrong

Answer is wrong

