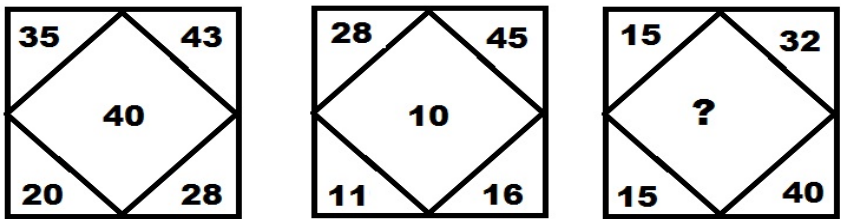


MISSING NUMBERS

In this we will have to require fast calculations.in such type of problems some numbers are arranged in a certain patterns, which can be follow the rule of additions , subtraction , multiplication ,division , square cubes etc. Based on these different operations we have to find the missing character in the given problems

Example 1:-what come on the place of question mark ?



- a) 92 b) 38 c) 66 d)36**

Solution:- As we see

$20+28 = 48,$

$43- 35 = 8$

$48- 8 = 40$

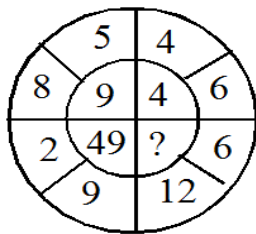
Same $15 + 40 = 55$

$32 -15 = 17$

$55 - 17 = 38$

So answer will be (b).

Example 2:-what come on the place of question mark ?



- a) 92 b) 38 c) 66 d)36**

Solution: - As we see

$8 - 5 = 3, 3^2 = 9$

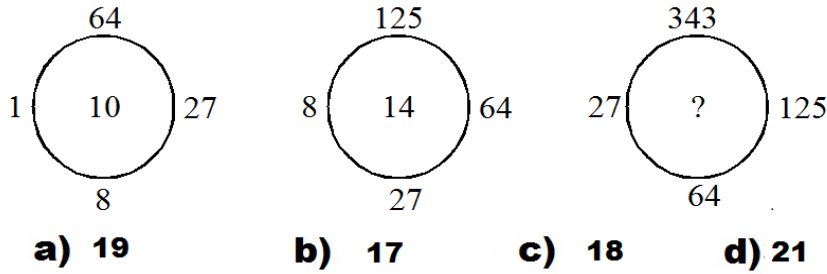
$6 - 4 = 2, 2^2 = 4$

$9 - 2 = 7, 7^2 = 49$

$12 - 6 = 6, 6^2 = 36$

So answer will be (d).

Example3:- what come on the place of question mark ?



Solution:

$$\sqrt[3]{64} = 4$$

$$\sqrt[3]{1} = 1$$

$$\sqrt[3]{8} = 2$$

$$\sqrt[3]{27} = 3,$$

$$4 + 3 + 2 + 1 = 10$$

Same

$$\sqrt[3]{343} = 7$$

$$\sqrt[3]{125} = 5$$

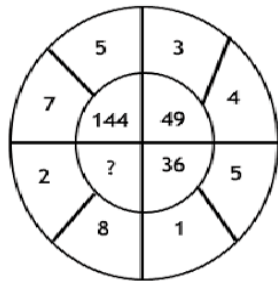
$$\sqrt[3]{64} = 4$$

$$\sqrt[3]{27} = 3$$

$$7 + 5 + 3 + 4 = 19$$

So answer will be (a)

Example4:- what come on the place of question mark ?



- a) 144 b) 100 c) 169 d) 121**

Solution: As we see

$$5 + 7 = 12^2 = 144$$

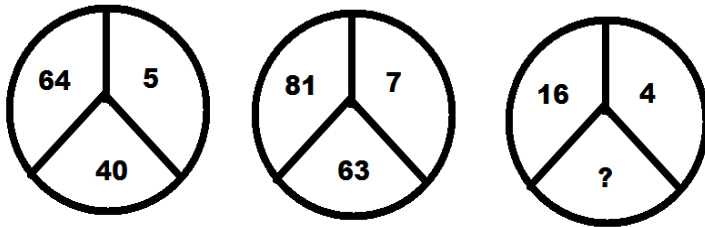
$$3 + 4 = 7^2 = 49$$

$$5 + 1 = 6^2 = 36$$

$$8 + 2 = 10^2 = 100$$

So answer will be (b)

Example5 :-what come on the place of question mark ?



- a)26 b)36 c)16 d)64

Solution: As we see

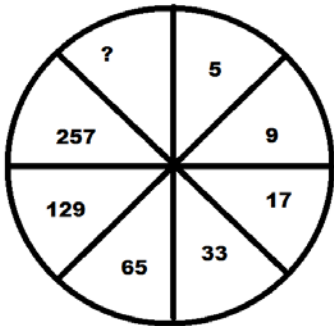
$$40/5 = 8, 8^2 = 64$$

$$63/7 = 9, 9^2 = 81$$

$$\text{So } X/4 = \sqrt[3]{16} = 4$$

So answer will be (c)

Example6 :-what come on the place of question mark ?



- a)512 b)556 c)513 d)593

Solution:- As we see

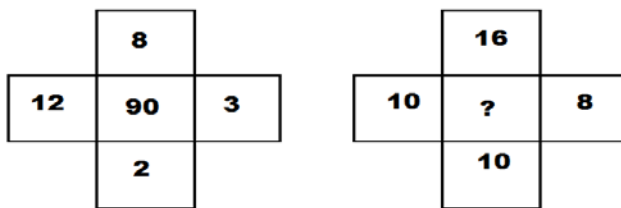
$$5 * 2 = 10 - 1 = 9$$

$$9 * 2 = 18 - 1 = 17$$

$$\text{Same } 257 * 2 = 514 - 1 = 513$$

So answer will be (c)

Example7 :-what come on the place of question mark ?



- a)40 b)50 c)70 d)80

Solution:- As we see

$$12 * 8 = 96$$

$$3 * 2 = 6$$

$$96 - 6 = 90$$

Same

$$16 * 10 = 160$$

$$10 * 8 = 80$$

$$160 - 80 = 80$$

So answer will be (d)

Example8 :- what come on the place of question mark ?

6	15	20
8	4	5
3	5	20
51	65	?

- a) 56 b) 12 c) 120 d) 51

Solution:- As we see

$$6 * 8 + 3 = 51$$

$$15 * 4 + 5 = 65$$

Same

$$20 * 5 + 20 = 120$$

So answer will be (c)

Example9 :- what come on the place of question mark ?

2	4	0
1	2	4
3	1	3
36	?	91

- a) 73 b) 68 c) 101 d) 55

Solution:- As we see

$$2^3 + 1^3 + 3^3 = 36$$

$$4^3 + 3^3 + 0^3 = 91$$

Same

$$4^3 + 2^3 + 1^3 = 73$$

So answer will be (a)

Example 10 :- what come on the place of question mark ?

3	5	9
4	6	?
3	7	2
36	210	36

- a) 4 b) 2 c) 3 d) 1

Solution:- As we see

$$3 \times 3 \times 4 = 36$$

$$5 \times 6 \times 7 = 210$$

Same

$$9 \times 2 \times ? = 36$$

$$36 / 18 = 2$$

So answer will be (b)



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