Puzzle – Basic
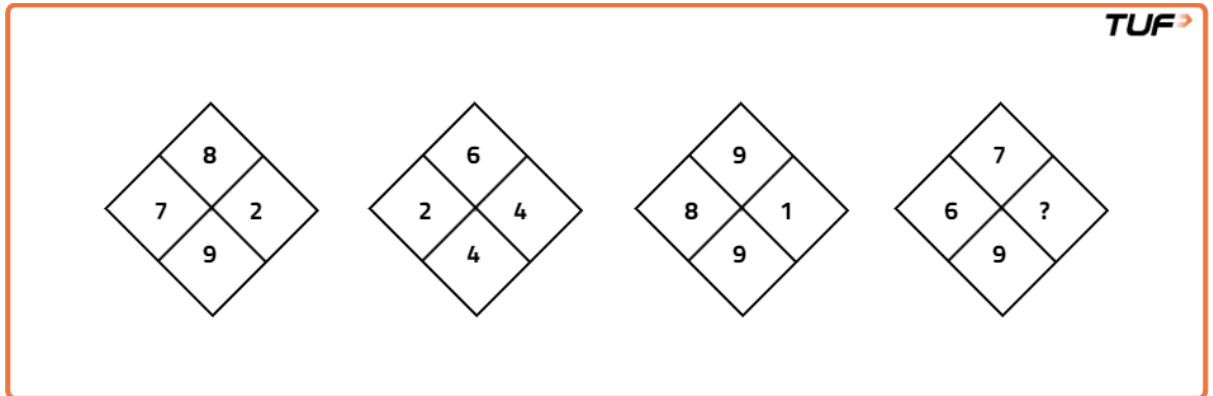
1. Find missing number.

a) 2

b) 3

c) 4

d) 5

Ans) b

Explanation:

8 * 9 = 7 2

6 * 4 = 2 4

9 * 9 = 8 1

7 * 9 = 6 3

2. Find the missing number.

3 + 10 = 39

5 + 4 = 45

6 + 9 = 105

8 + 4 = ?

a) 132

b) 72

c) 43

d) 62

Ans) 132

Explanation:

3 + 10 = 13 * 3 = 39

5 + 4 = 9 * 5 = 45

6 + 9 = 15 * 7 = 105

8 + 4 = 12 * 11 = 132

Multiplying with prime numbers

3. Find the Missing Number

2   6   18

4   12   10
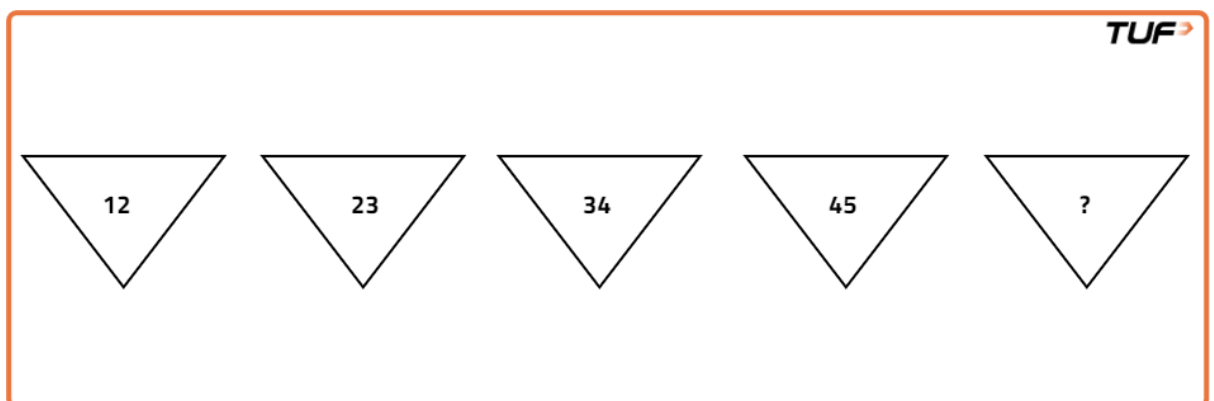
10   10   ?

a) 3

b) 6

c) 8

d) 2

Ans) b

Explanation:

So, the sum of each row is 26,

therefore 10 + 10 + x = 26(assumed 26 from the previous 2 top patterns—i.e 2+6+18 = 26, 4+12+10 = 26)

Solving, 20 + x = 26, we get x = 6

4. Find the missing number

a) 43

b) 63

c) 75

d) 56

Ans) d

Explanation:

12 * 1 = 12 - 0 = 12
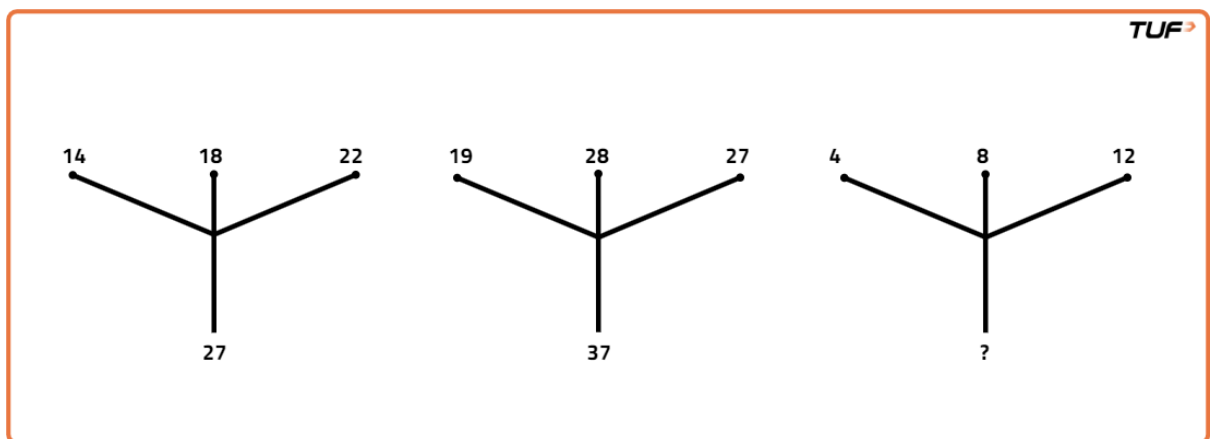
12 * 2 = 24 - 1 = 23

12 * 3 = 36 - 2 = 34

12 * 4 = 48 - 3 = 45

12 * 5 = 60 - 4 = 56

5. Find the missing term

a) 32
b) 56
c) 12
d) 14

Ans) c

Explanation:

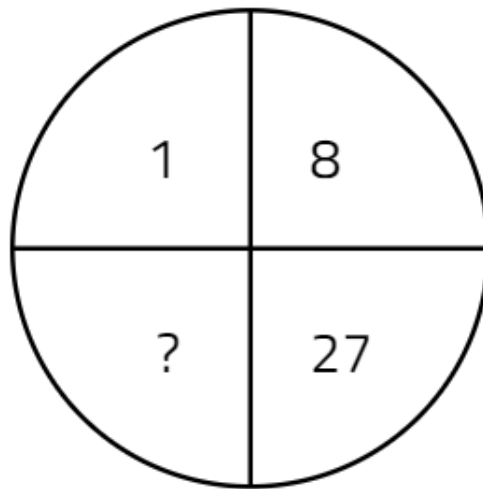(14 + 18 + 22) / 2 = 27

(19 + 28 + 27) / 2 = 37

(4 + 8 + 12) / 2 = 12

6. Find the missing term

   a) 64
   b) 81
   c) 128
   d) 144

Ans) 64

Explanation:

   1 ^ 3 = 1

   2 ^ 3 = 8

   3 ^ 3 = 27

   4 ^ 3 = 64

7. Find the missing term
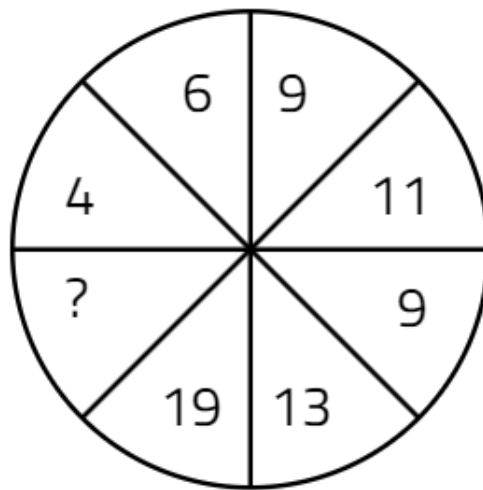
a) 25

b) 28

c) 20

d) 23

Ans) 23

Explanation:

In the upper semi circle multiple by 2 and add 1 to get diagonally opposite.

8. There are 7 people sitting in a row. The conditions are:

Alice is not at the ends.

Ben is sitting exactly between Charlie and Diana.

Edward is to the immediate right of Alice.

Charlie is to the left of Diana.

If George is not next to Ben and Fiona is not at the right end, then which of the following statements is NOT correct?

    a) Charlie is not at the left end.

    b) Ben is sitting third from the left.

    c) Edward is next to Alice.

    d) Fiona is sitting between George and Charlie.

Ans) d

Explanation:

Charlie < Ben < Diana ⇒ Ben is between them.

Alice has Edward to her right ⇒ Alice is not last.

George not next to Ben + Fiona not at right end ⇒ Fiona between George and Charlie is impossible.

9. P, Q, R, S, and T are sitting on a bench.

P is sitting next to Q.

R is not sitting with T.

Q is on the left end of the bench.

S is on the immediate right of R.

T is to the right of P.

Where is S sitting?

    a) Between R and T

    b) Between Q and P

    c) Between P and R

    d) Between T and Q

Ans) a

Explanation:

Q is on the left end, so Q is first; P must be next to Q, so P is second.

T is to the right of P, so T must be in position 3, 4, or 5.

R and S must be together with S immediately to the right of R, and R can't be next to T.

Placing R at 3, S at 4, and T at 5 fits all clues → Final order: Q, P, R, S, T.

10. X, Y, Z, W, and V are seated in a row.

X is not next to W.

V is at the right end.

Y is between X and Z.

Z is to the left of V.

X is at one of the ends.

Where is Z sitting?

    a) At the right end

    b) Second from the left

    c) Between Y and V

    d) Between X and Y

Ans) c

Explanation:

X is at the left end, Y between X and Z → X–Y–Z

Z is left of V, and V is at right end → X–Y–Z–W–V

Z is in the middle.

11. There are 8 people living in a row of 8 houses, one person per house. The following conditions apply:

Alex is not next to Brian.

Carl lives immediately to the left of David.

Ethan lives in one of the two corner houses.

Frank lives somewhere between Ethan and David.

Brian is not at either end.

If George is not between Frank and Carl, and Harry is not next to Ethan, then which of the following statements is **not correct**?

    a) Frank is not next to Alex.

    b) George is not between Carl and Frank.

    c) David has at least one person to his right.

    d) Brian is in between Harry and Ethan.

Ans) d

Explanation:

Ethan is at an end; Frank is between Ethan and David → Frank not at end.

Brian is not at ends and not next to Alex → restricts placement.

George not between Carl and Frank + Harry not next to Ethan → option 4 can't happen.

12. If 1 1 1 1 = **R**

   2 2 2 2 = **T**

   3 3 3 3 = **E**

   4 4 4 4 = **N**

Then **5 5 5 5 = ?**

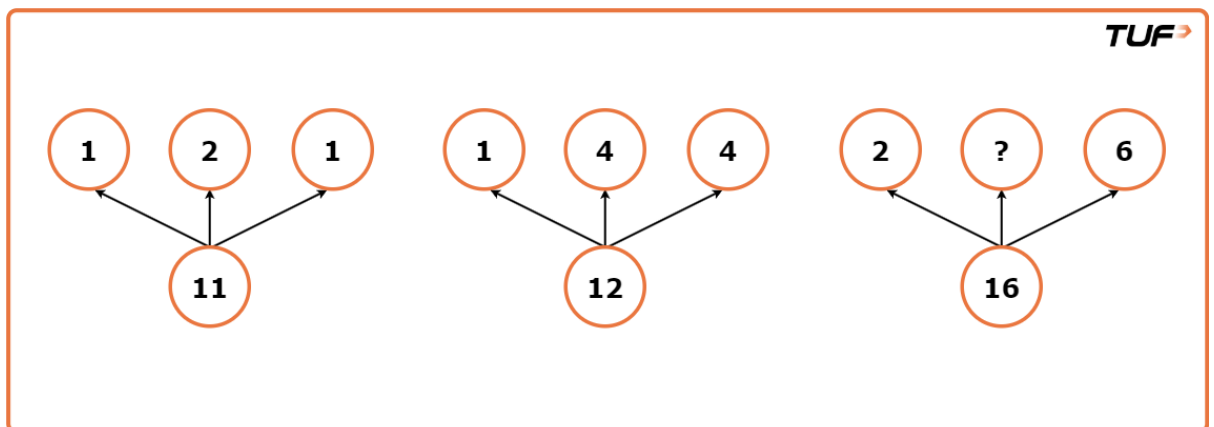   a) X

    b) Y

    c) Z

    d) Q

Ans) Y

Explanation:

1 + 1 + 1 + 1 = 4 = FOUR

2 + 2 + 2 + 2 = 8 = EIGHT

3 + 3 + 3 + 3 = 12 = TWELVE

4 + 4 + 4 + 4 = 16 = SIXTEEN

Take the last letter.

13. Find the missing term

a) 2

b) 4

c) 5

d) 1

Ans) c

Explanation:

11*11 = 1 2 1

12*12 = 1 4 4

16*16 = 2 5 6