

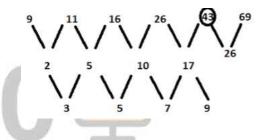
## **NUMBER SERIES**

Find the missing numbers in the following series.

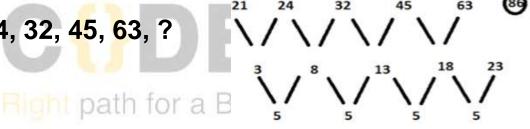
1) 7, 10, 16, 28, X, 100



2) 9, 11, 16, 26, ?, 69



21, 24, 32, <mark>45</mark>, 63, ? 3)



4) 74, 92, 115, 143, 176, X, 257

The series follows the following pattern:

$$\Rightarrow$$
 92 + 23 = 115

$$\Rightarrow$$
 143 + 33 = 176

$$\Rightarrow$$
 214 + 43 = 257



5) 3, 17, 45, 87, X, 213

The series follows the following pattern:

$$\Rightarrow 3 + 14 = 17$$

$$\Rightarrow$$
 17 + 28 = 45

$$\Rightarrow 45 + 42 = 87$$

6) 7, 3.5, 3.5, 7, 28, X.

The series follows the following pattern:

$$\Rightarrow$$
 7 × 0.5 = 3.5

$$\Rightarrow$$
 3.5  $\times$  1 = 3.5

$$\Rightarrow$$
 3.5  $\times$  2 = 7

$$\Rightarrow$$
 7 × 4 = 28

7) 6, 4, 5, 11, 39, <mark>?</mark>

DER

Ans. c) 189

$$6 \times 1 - 2 = 4$$

$$4 \times 2 - 3 = 5$$

$$11 \times 4 - 5 = 39$$

$$39 \times 5 - 6 = 189$$

8) 4, 16, 26, 34, 40, ?

Ans. e) 44

4......16.......26.......34.......40......

.....+12....+10.....+8....+6....+4

Answer: 40 + 4 = 44



9) 7, 6, 8, 15, 44, ?

Ans. e) 195  $7 \times 1 - 1^2 = 6$   $6 \times 2 - 2^2 = 8$   $8 \times 3 - 3^2 = 15$   $15 \times 4 - 4^2 = 44$  $44 \times 5 - 5^2 = 195$ 

Ans. c) 392

 $6 \times 0.5 + 0.5 = 3.5$ 

10) 6, 3.5, 4.5, 11, 48, ?

 $3.5 \times 1 + 1 = 4.5$   $4.5 \times 2 + 2 = 11$   $11 \times 4 + 4 = 48$   $48 \times 8 + 8 = 392$ 

11) 21, 35, 30, 44<mark>, 39</mark>, ?

30, 44, 39, ?

Ans. b) 53
21 + 14 = 35
35 - 5 = 30

Right path for a Bright Career. 30 + 14 = 44
44 - 5 = 39

39 + 14 = 53

12) 500, x, 250, 750, 187.5

The series follows the following pattern:

⇒ 500 × 1 = **500** 

⇒ 500 ÷ 2 = 250

 $\Rightarrow$  250  $\times$  3 = 750

 $\Rightarrow$  750 ÷ 4 = 187.5



13) 729, 486, 324, 216, ?

The given series follows the following pattern.

$$\Rightarrow$$
 486 × (2/3) = 324

$$\Rightarrow$$
 324 × (2/3) = 216

14) 38, 39, 43, 52, x, 93, 129

The series follows following pattern:

$$\Rightarrow$$
 38 + 1 = 39

$$\Rightarrow$$
 39 + 4 = 43

$$\Rightarrow$$
 43 + 9 = 52

$$\Rightarrow$$
 52 + 16 = 68

$$\Rightarrow$$
 68 + 25 = 93

15) 5, 16, 65, 326<mark>,</mark> ?

Here the pattern follows

$$\Rightarrow$$
 5 × 3 + 1 = 16

$$\Rightarrow$$
 16 × 4 + 1 = 65

$$\Rightarrow$$
 65 × 5 + 1 = 326

$$\Rightarrow$$
 326 × 6 + 1 = 1957