Logical Reasoning
Number Series

Type 1. Number Series

It is a sequence of numerical digits where each term is obtained according to certain rule or pattern.

(a) Inserting the missing number

Under this type, a series of numbers is given with one number or term missing from its place. You have to identify the pattern followed in the formation of the series and then find out the missing term accordingly.

(b) Finding the wrong term

In the questions under this type, one of the terms in the given series does not fit in with the pattern of the series and is, therefore, termed as wrong. The candidate is to find out that wrong number after identifying the specific pattern of the series.

Find the missing number in the following series.

1.   1, 5, 12, ____, 35, 51, 70

(a) 23   (b) 24   (c) 22   (d) 27

2.   2, 5, 9, 19, 37, ____

(a) 73   (b) 75   (c) 83   (d) 85

3.   4, 8, 28, 80, 244, ____

(a) 278   (b) 428   (c) 628   (d) 728

Find the missing number in the following series.

4.   4, 5, 12, 39, 160, ____

(a) 225   (b) 695   (c) 805   (d) 790

5.   10,000, 11,000, 9900, 10890, 9801, _____

(a) 10,241   (b) 10,423

(c) 10,781   (d) 10,521

Find the missing number in the following series.

6.   3, 4, 8, 17, 33, _____

(a) 57   (b) 58   (c) 48   (d) 47

7.   1, 4, 27, 16, 125, 36, 343, 49, _____

(a) 719   (b) 729   (c) 739   (d) 749

8.   3, 15, 5, 35, 7, 63, 9, _____, 11

(a) 97   (b) 89   (c) 109   (d) 99

Find the wrong number in the following series.

9.   69, 55, 26, 13, 5

     (a) 5   (b) 13   (c) 26   (d) 55

10.   4, 19, 49, 93, 154, 229

     (a) 93   (b) 229   (c) 49   (d) 19

11.   80, 42, 24, 13.5, 8.75, 6.375

     (a) 8.75   (b) 13.5   (c) 24   (d) 6.375

Find out the wrong number in the series.

12.   64, 71, 80, 91, 104, 119, 135, 155

    (a) 71   (b) 80   (c) 135   (d) 104

13.   823, 734, 645, 556, 476, 378, 289

    (a) 645   (b) 476   (c) 378   (d) 289

14.   895, 870, 821, 740, 619, 445, 225

    (a) 445   (b) 821   (c) 619   (d) 225

Find out the wrong number in the series.

15.   19, 26, 33, 46, 59, 74, 91

(a) 26   (b) 33   (c) 46   (d) 74

16.   32, 36, 41, 61, 86, 122, 171, 235

(a) 41   (b) 61   (c) 86   (d) 122

What is the next number in the series?

17.   2, 6, 12, 20, 30, 42, 56

       (a) 60   (b) 64   (c) 72   (d) 70

18.   165, 195, 255, 285, 345

       (a) 375   (b) 420   (c) 435   (d) 390

19.   5, 10, 13, 26, 29, 58, 61

       (a) 122   (b) 64   (c) 125   (d) 128

Find the next number in the series.

20.   51975, 9450, 2100, 600, 240, 160

(a) 80   (b) 120   (c) 320   (d) 240

21.   444, 467, 513, 582, 674, 789

(a) 950   (b) 904   (c) 927   (d) 984

Find the number that should come in the place of the question mark.

22.   15, 25, 40, 130, (?), 2560

      (a) 500   (b) 520   (c) 510   (d) 480

23.   6, 42, (?), 1260, 5040, 15120, 30240

      (a) 546   (b) 424   (c) 252   (d) 328

Find the number that should come in the place of the question mark.

24.   282, 286, 302, (?), 402, 502

      (a) 366   (b) 318   (c) 326   (d) 338

25.   6, 4, 8, 23, (?), 385.25

      (a) 84.5   (b) 73   (c) 78.5   (d) 82