

NUMBER SERIES

Direction (Q.1-5): In each of the following questions, a number series is given. After the series, below it in the next line, a number is given followed by (P), (Q), (R), (S) and (T). You have to complete the series starting with the number given following the sequence of the given series. Then answer the question given below it.

1. Which number will come in the place of 'T'?

2, 2, 3, 6, 15, 45, 157.5

20 P Q R S T

- (A) 500 (B) 325
(C) 150 (D) 450
(E) None of these

2. Which number will come in the place of 'R'?

1.5 5 29 169

5 P Q R

- (A) 2500 (B) 1325
(C) 1334 (D) 1575
(E) None of these

3. Which number will come in the place of S?

80 103 149 218 310

P 143 Q R S T

- (A) 351 (B) 325
(C) 450 (D) 575
(E) 350

4. Which will come in the place of S?

1 4 27 16 125

512 P Q R S

- (A) 1728 (B) 144
(C) 729 (D) 5832
(E) 6400

5. Which will come in the place of S?

3 16 41 82 143 228

7 P Q R S T

- (A) 178 (B) 147
(C) 129 (D) 232
(E) 100

Direction (Q. 6 -10): What will come in the place of question mark (?) in the following number series so that the pattern of the series shouldn't be altered?

6. 5, 10, 21, 38, 61, 90, (?+10)

- (A) 125 (B) 115
(C) 135 (D) 156
(E) None of these

7. 6.3, 8.3, (?-1), 22.9, 37.5, 60.4

- (A) 15.6 (B) 13.2
(C) 14 (D) 22.9
(E) None of these

8. 11, 18, 37, 76, 143, (?-6)

- (A) 246 (B) 270
(C) 252 (D) 229
(E) 201

9. 59, 70, 103, (?+58), 235, 334

- (A) 100 (B) 132
(C) 144 (D) 229

(E) None of these

10. 64, 353, 609, (?²-7), 1030, 1199

- (A) 36 (B) 84
(C) 86 (D) 29

(E) None of these

Directions(Q. 11-15): Find the wrong number in given series.

11. 224, 118, 184, 468, 1648, 7421.5

- (A) 224 (B) 118
(C) 1648 (D) 468
(E) 184

12. 4498, 4888, 5336, 5846, 6422, 7070

- (A) 5846 (B) 4498
(C) 5336 (D) 7070
(E) 6422

13. 122, 125.2, 131.6, 141.2, 152, 170

- (A) 125.2 (B) 131.6
(C) 141.2 (D) 170
(E) 152

14. 499, 491, 464, 400, 275, 59

- (A) 499 (B) 491
(C) 464 (D) 400

(E) All terms are correct

15. 7, 27, 93, 301, 915, 2775, 8361

- (A) 93 (B) 301
(C) 915 (D) 2775
(E) All terms are correct

16. 201, 196, 181, 146, 121, 76, 21

- (A) 201 (B) 196
(C) 181 (D) 146

(E) All terms are correct

17. 8, 37, 229, 1841, 18421, 231065

- (A) 8 (B) 18421
(C) 231065 (D) 229

(E) All terms are correct

18. 0, 10, 34, 82, 148, 250

- (A) 148 (B) 34
(C) 0 (D) 82

(E) All terms are correct

19. 1, 0, 6, -3, 40, 100

- (A) 0 (B) 6
(C) -3 (D) 40

(E) 100

20. 144, 361, 703, 1215, 1944, 2944

- (A) 361 (B) 703
(C) 1215 (D) 1944

(E) 2944

21. 24, 32, 42, 56, 78, 104

- (A) 24 (B) 42
(C) 32 (D) 78

(E) 56

22. 40, 37, 45, 30, 54, 20

- (A) 37 (B) 45
(C) 30 (D) 54

(E) 20

23. 4, 7, 20, 60, 142, 223

- (A) 60 (B) 142
(C) 223 (D) 4

(E) None of these

24. 116, 1140, 1396, 1460, 1474, 1480

- (A) 1140 (B) 1474
(C) 1480 (D) 116

(E) None of these

25. 3, 11, 34, 69, 131, 223

- (A) 11 (B) 34
(C) 69 (D) 131
(E) 223

26. 1, 6, 26, 84, 166, 171

- (A) 6 (B) 26
(C) 171 (D) 84

(E) None of these

27. 9, 5, 9, 25, 95, 414

- (A) 9 (B) 25
(C) 414 (D) 95

(E) None of these

DIRECTIONS(Q. 28 - 29) Find the wrong number in the FIRST series and then find the value of the following question.

28. (i) 70, 68, 62, 50, 30, 12, A.

(ii) 135, __, __, __, __, __, B.

1. Wrong term.
2. Find (A - B).

- (A) 30, 165 (B) 68, 35
(C) 12, - 65 (D) 70, - 75

(E) None of the above

29. 10, 13, 19, 31, 55, A

-8, __, __, __, __, B

What is the value of A + B?

- (A) 198 (B) 188
(C) 178 (D) 169
(E) 117

Direction (Q. 30 -34): In each of the following questions, a number series is given. After the series, below it in the next line, a number is given followed by (P), (Q), (R), (S) and (T). You have to complete the series starting with the number given following the sequence of the given series. Then answer the question given below it.

30. Which number will come in the place of 'T'?

2, 2, 3, 6, 15, 45, 157.5

20 P Q R S T

- (A) 500 (B) 325
(C) 150 (D) 450

(E) None of these

31. Which number will come in the place of 'R'?

1.5 5 29 169

5 P Q R

- (A) 2500 (B) 1325
(C) 1334 (D) 1575

(E) None of these

32. Which number will come in the place of S?

80 103 149 218 310

P 143 Q R S T

- (A) 351 (B) 325
(C) 450 (D) 575

(E) 350

33. Which will come in the place of S?

1 4 27 16 125

512 P Q R S

- (A) 1728 (B) 144
(C) 729 (D) 5832
(E) 6400

34. Which will come in the place of S?

3 16 41 82 143 228

7 P Q R S T

- (A) 178 (B) 147
(C) 129 (D) 232
(E) 100

Direction (Q. 35-36):- Find the wrong number in the FIRST series and then find the value of the following question.

35. (i) 9, 10, 7, 15, -1, X

(ii) 16, 18, 14, 20, 12, Y

1. Wrong term.
2. Find (X + Y).

- (A) 9, 36 (B) 10, 56
(C) 7, 46 (D) 15, 26

(E) -1, 66

36. (i) 41, 45, 54, 72, 95, X

(ii) 10, 30, 33, 132, 136, 680, Y

1. Wrong term.
2. Find (X + Y).

- (A) 41, 820 (B) 45, 840
(C) 54, 815 (D) 72, 816

(E) 95, 832

Direction (Q. 37-40). In the following question, a number series is given. After the series a number is given followed by (A), (B), (C), (D) and (E). You have completed the series starting with the number given following the sequence of the given series.

37. What should come in place of D?

11, 22, 5, 47, 102, 236, 600

25, A, B, C, D, E

- (A) 444 (B) 460
(C) 492 (D) 684
(E) 672

38. What should come in place of C?

324, 972, 486, 1458, 729, 2187

432, A, B, C, D, E

- (A) 1954 (B) 1964
(C) 1974 (D) 1994
(E) 1944

39. What should come in place of E?

18, 19, 34, 111, 428, 2165

32, A, B, C, D, E

- (A) 3665 (B) 3195
(C) 3845 (D) 3925
(E) 3225

40. What should come in place of D?

25, 30, 300, 315, 6300, 6325

45, A, B, C, D, E

- (A) 10600 (B) 10300
(C) 10700 (D) 10400
(E) 10500

Directions(Q. 41-50). Find the missing term in given series.

41. 79, 62, 141, 203, 344, ?

- (A) 510 (B) 516
(C) 532 (D) 547
(E) 558
42. 9, 15, 25, 39, 57, ?
(A) 77 (B) 79
(C) 81 (D) 76
(E) 75
43. 1, 5, 32, 288, ?
(A) 3284 (B) 3376
(C) 2883 (D) 3683
(E) 3413
44. 17, 33, 64, 124, ?
(A) 242 (B) 240
(C) 224 (D) 256
(E) 264
45. 21, 34, 60, 99, ?
(A) 153 (B) 147
(C) 181 (D) 161
(E) 151
46. 2, 4, 12, 84, ?
(A) 2544 (B) 2768
(C) 2882 (D) 2684
(E) 3612
47. 15, 105, 315, 693, ?
(A) 1243 (B) 1329
(C) 1293 (D) 1287
(E) 1377
48. 21, 30, 12, 39, 3, ?, -6
(A) 66 (B) 12
(C) 48 (D) 75
(E) None of these
49. 14, 70, 98, 112, 119, (?)
(A) 122.5 (B) 121.5
(C) 112.5 (D) 124
(E) None of these
50. 1332, 1729, 2198, 2745, ?
(A) 3376 (B) 4097
(C) 3275 (D) 3126
(E) None of these

ANSWER KEY

1(D)	2(E)	3(E)	4(A)	5(B)	6(B)	7(A)	8(C)	9(A)	10(D)
11(C)	12(D)	13(E)	14(E)	15(B)	16(D)	17(C)	18(D)	19(E)	20(A)
21(D)	22(E)	23(B)	24(B)	25(B)	26(D)	27(D)	28(C)	29(B)	30(D)
31(E)	32(E)	33(A)	34(B)	35(C)	36(D)	37(B)	38(E)	39(C)	40(B)
41(D)	42(B)	43(E)	44(B)	45(E)	46(E)	47(D)	48(C)	49(A)	50(A)