

Directions (1-25) : What should come in place of question mark (?) in the following questions?

1. $(16 \times 5) - (5 \times 4) - 52 = ? + 4$

- (a) 4 (b) 45
(c) 32 (d) 2
(e) None of these

2. $\frac{2}{7}$ of $4\frac{1}{5}$ of (?) = 336

- (a) 270 (b) 250
(c) 450 (d) 420
(e) None of these

3. $(9)^2 + (3)^2 \times 27 = (3)^?$

- (a) 6 (b) 7
(c) 5 (d) 8
(e) None of these

4. 56% of ? + 45 = 353

- (a) 450 (b) 520
(c) 550 (d) 660
(e) None of these

5. $73.96 - 18.19 + 17.47 = ? + 10.91$

- (a) 62.33 (b) 61.43
(c) 56.33 (d) 54.53
(e) None of these

6. 59% of 693 + ? = 630

- (a) 221.13 (b) 234.84
(c) 256.78 (d) 288.97
(e) None of these

7. $11256 + 5838 - 623 = ? \times 91$

- (a) 174 (b) 163
(c) 196 (d) 181
(e) None of these

8. $58321 + 69386 = ? + 37098$

- (a) 91619 (b) 90609
(c) 92609 (d) 89619
(e) None of these

9. $1834 + 2458 = ? \times 74$

- (a) 85 (b) 76
(c) 58 (d) 62
(e) None of these

10. $\sqrt{7} + 28 = \sqrt{1681}$

- (a) 13 (b) 225
(c) 216 (d) 14

(e) None of these

11. $0.4 \times 7.5 + 0.6 \times 25 = ?$

- (a) 125 (b) 155
(c) 115 (d) 145
(e) None of these

12. $15.96 - 42.94 + 75.17 = ?$

- (a) 48.19 (b) 48.36
(c) 44.36 (d) 45.29
(e) None of these

13. $\frac{88}{24} \times \frac{105}{51} + \frac{33}{34} = ?$

- (a) $4\frac{5}{18}$ (b) $7\frac{7}{9}$
(c) $7\frac{4}{9}$ (d) $4\frac{7}{18}$
(e) None of these

14. $(6)^4 + (36)^3 \times 216 = 6^{n-3}$

- (a) 3 (b) 6
(c) 1 (d) 4
(e) None of these

15. $22 \times 12 + 134 + 43 = 132 + ?$

- (a) 309 (b) 329
(c) 209 (d) 229
(e) None of these

16. $1\frac{3}{8} + 1\frac{1}{4} - 1\frac{11}{16} = ?$

- (a) $\frac{13}{16}$ (b) $\frac{12}{17}$
(c) $\frac{15}{16}$ (d) $\frac{11}{16}$
(e) None of these

17. $(3 \times 4)^2 \times (3 \times 6) + (9 \times 5) = ?$

- (a) 57.6 (b) 59.6
(c) 53.2 (d) 51.2
(e) None of these

18. $8544 - 5757 + 1111 = 1255 + ?$

- (a) 2463 (b) 2643
(c) 2453 (d) 2653

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- (e) None of these
19. $25633 - 14.32 = ? + 55.44$
 (a) 189.57 (b) 168.57
 (c) 176.57 (d) 182.57
 (e) None of these
20. $(35.2 \times 15 \times 4) + 12 + 20 = (?)^2$
 (a) $(14)^2$ (b) $\sqrt{14}$
 (c) $4\sqrt{14}$ (d) $-\sqrt{14}$
 (e) 14
21. $7432 + 32 \times ? = 2787$
 (a) 8 (b) 14
 (c) 15 (d) 12
 (e) None of these
22. $[(11)^3 \times (6)^2] + (4)^3 = ?$
 (a) 2994.75 (b) 748.6875
 (c) 272.25 (d) 4492.125
 (e) None of these
23. 75% of 250 - ?% of 380 = 54.5
 (a) 32 (b) 25
 (c) 35 (d) 40
 (e) None of these
24. $(4.6 \times 2.8 \times 5.5) - (3.2 \times 4.5 \times 2.8) = ?$
 (a) 36.28 (b) 30.42
 (c) 28.35 (d) 32.52
 (e) None of these
25. $\sqrt{2304} \times \sqrt{3} = 2832$
 (a) 3249 (b) 3481
 (c) 3721 (d) 3969
 (e) None of these
26. What least number should be added to 8200 to make it a perfect square number?
 (a) 81 (b) 100
 (c) 264 (d) 154
 (e) None of these
27. Find compound interest on ₹ 5500 in 2 years at the rate of 5 p.c.p.a.
 (a) ₹ 588 (b) ₹ 645
 (c) ₹ 563.75 (d) ₹ 545.50
 (e) None of these
28. When 18^3 is subtracted from square of a number we obtain 3577. Find the number.
 (a) 89 (b) 94
 (c) 101 (d) 107
 (e) None of these
29. Product of two consecutive even numbers is 9408. Find the largest number.
 (a) 94 (b) 102
 (c) 104 (d) 98
 (e) None of these
30. A car travels 1204 Km in 28 hours. Find speed of the car.
 (a) 61 Km/h (b) 43 Km/h
 (c) 56 Km/h (d) Cannot be determined
 (e) None of these
31. Ratio of present age of Tarun and Varun is 3:7. After 4 years Varun's age will be 39 years. What was age of Tarun 4 years ago?
 (a) 12 years (b) 13 years
 (c) 19 years (d) 18 years
 (e) None of these
32. Sum of five consecutive even numbers is 170. What will be the sum of square of second largest number and least number.
 (a) 940 (b) 932
 (c) 938 (d) 934
 (e) None of these
33. How many bags are required for filling 1296 kg of wheat if each bag is filled with 144 kg of wheat?
 (a) 19 (b) 15
 (c) 7 (d) 9
 (e) None of these
34. Ravi consistently runs 350 meters every day. On Tuesday he runs 500 meters. How many kilometer will he run in 2 weeks?
 (a) 4.5 km (b) 4.8 km
 (c) 5.2 km (d) 5.4 km
 (e) None of these
35. The simple interest on ₹ 25,000/- in 3 years is $\frac{3}{20}$ of principle. Find the rate of interest.
 (a) 5 (b) 4
 (c) 6 (d) 3
 (e) None of these
36. Side of a square is equal to diameter of a circle. Area of square is 196 m^2 . Find area of circle?
 (a) 112 cm^2 (b) 176 cm^2
 (c) 154 cm^2 (d) 132 cm^2
 (e) None of these

37. Ratio of present age of Rakhi and Sita is 5:7. In 8 years Rakhi will be of 28 years. What was the age of Sita 5 years earlier?
(a) 24 years (b) 28 years
(c) 22 years (d) 21 years
(e) None of these
- Directions (38–40):** What should come in place of the question mark (?) in the following questions?
38. 12 16 24 36 52 (?)
(a) 80 (b) 76
(c) 72 (d) 82
(e) None of these
39. 17 21 37 73 137 (?)
(a) 246 (b) 236
(c) 217 (d) 234
(e) None of these
40. 620 412 308 256 230 (?)
(a) 217 (b) 227
(c) 207 (d) 237
(e) None of these
41. Area of a rectangle is 1.8 times of area of square. Length of rectangle is five times its breadth. Side of square is 20 cm. Find perimeter of square.
(a) 145 cm (b) 144 cm
(c) 133 cm (d) 135 cm
(e) None of these
42. Sunil bought an article for ₹ 4000/- and sold it at 35% profit. From this amount he bought another article and sold it at 20% loss. What is his overall gain or loss?
(a) Loss of ₹ 340 (b) Gain of ₹ 350
(c) Loss of ₹ 360 (d) No profit no loss
(e) None of these
43. Marks scored by six persons of a group are 35, 48, 25, 12, 65 and 34. Find average marks scored by six persons.
(a) 33.5 (b) 36.5
(c) 35.6 (d) 38.5
(e) None of these
44. Sahil scored 45 marks in Hindi, 47 marks in Science, 49 marks in Maths, 45 marks in social Science and 32 marks in English. If all paper were out of 50. Find overall percentage of marks obtained by Sahil ?
(a) 89.5 (b) 83.2
(c) 88.3 (d) 87.2
(e) None of these
45. Sum of five consecutive odd numbers is 175. Find sum of square of second largest number and least number.
(a) 3032 (b) 3230
(c) 3320 (d) 2360
(e) None of these
46. Six boys can finish a work in 16 hours. In how many hours 8 boys will finish the same work ?
(a) 10 (b) 8
(c) 12 (d) 14
(e) None of these
47. What will be the result when sum of $(11)^2$ and $(4)^3$ is subtracted from the square of 27.
(a) 564 (b) 544
(c) 592 (d) 582
(e) None of these
48. The simple interest accrued on a sum of ₹ 20000 is $\frac{1}{2}$ of Principal. Find rate of simple interest.
(a) 1.15 (b) 2.25
(c) 1.25 (d) 2.75
(e) None of these
49. Sum of 5 consecutive numbers is 170. Find product of largest and least number,
(a) 1512 (b) 1102
(c) 1152 (d) 1210
(e) None of these
50. Sonal consistently run 220 meter. How many kilometer will she run in 3 week.
(a) 4.42 km (b) 5.62 km
(c) 6.32 km (d) 4.62 km
(e) None of these