

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

1.  $0.6 \times 1.4 + 0.5 \times 15 = ?$   
(a) 28.2 (b) 18.2  
(c) 24.5 (d) 16.5  
(e) None of these
2.  $11573 + 27,492 - 19674 = ?$   
(a) 19,491 (b) 21,581  
(c) 19,671 (d) 19,391  
(e) None of these
3.  $43168 - 11078 = ? + 12056$   
(a) 200.43 (b) 180.30  
(c) 201.43 (d) 190.34  
(e) None of these
4.  $? \% \text{ of } 780 - 335 = 250$   
(a) 65 (b) 50  
(c) 75 (d) 60  
(e) None of these
5.  $(92 - 101) + 3 = ? + (-5)$   
(a) -15 (b) -0.6  
(c) 15 (d) 0.6  
(e) None of these
6.  $36^2 \times 5^2 - 2400^2 = ?$   
(a) 720 (b) 720000  
(c) 7200 (d) 72000  
(e) None of these
7.  $? + 32 \times 16 = 284$   
(a) 572 (b) 566  
(c) 554 (d) 548  
(e) None of these
8.  $837.54 - 426.31 + 164.71 = ?$   
(a) 575.94 (b) 545.64  
(c) 595.74 (d) 515.84  
(e) None of these
9.  $48096 \div \sqrt{7} = 167 \times 9$   
(a) 1646 (b) 1432  
(c) 1024 (d) 1208  
(e) None of these
10.  $3674 \div 44 = ?$   
(a) 85 (b) 83.5  
(c) 79.75 (d) 73  
(e) None of these
11.  $2\frac{1}{3}$  of  $1\frac{1}{4}$  of  $? = 280$   
(a) 116 (b) 124  
(c) 48 (d) 96  
(e) None of these
12.  $635 - 345 + 246 = ? + (15)^2$   
(a) 415 (b) 411  
(c) 315 (d) 321  
(e) None of these
13.  $9\% \text{ of } 5600 - 45\% \text{ of } 340 = ?$   
(a) 331 (b) 401  
(c) 431 (d) 351  
(e) None of these
14.  $(12 \times 7) - (13 \times 5) - 10 = ? + 5$   
(a)  $1\frac{4}{5}$  (b) 25  
(c)  $1\frac{3}{5}$  (d) 90  
(e) None of these
15.  $66\% \text{ of } ? + 61 = 490$   
(a) 750 (b) 850  
(c) 650 (d) 550  
(e) None of these
16.  $\sqrt{15 \times 163 + 5} - 89 = ?$   
(a) 15 (b) 25  
(c) 10 (d) 20  
(e) None of these
17.  $35.62 - 12.67 + 15.96 = ? - 43.22$   
(a) 85.13 (b) 82.13  
(c) 87.13 (d) 83.13  
(e) None of these
18.  $\frac{5}{11}$  of 55 % of 1500 = ?  
(a) 395 (b) 392  
(c) 375 (d) 372  
(e) None of these

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19.  $(562 - 754) \div 6 = 7 + (-5)$   
 (a) -120 (b) 120  
 (c) -160 (d) 160  
 (e) None of these
20.  $23 \times 15 + 25 + 48.2 = -35 + ?$   
 (a) 97 (b) 98  
 (c) 95 (d) 96  
 (e) None of these
21.  $74.698 + 0.365 + 85.213 + 0.095 = ?$   
 (a) 160.281 (b) 160.641  
 (c) 160.371 (d) 160.362  
 (e) None of these
22.  $\frac{6.4 \times 8.5 \times 2.5}{3.2 \times 12.5} = ?$   
 (a) 4.4 (b) 3.5  
 (c) 4.2 (d) 3.4  
 (e) None of these
23.  $\sqrt[3]{103823} = ?$   
 (a) 49 (b) 51  
 (c) 45 (d) 47  
 (e) None of these
24.  $(444 \times 44 \times 4) \div 40 = ?$   
 (a) 1953.6 (b) 176  
 (c) 1776 (d) 1736.5  
 (e) None of these
25.  $4550 \div 25\% \text{ of } ? = 130$   
 (a) 145 (b) 140  
 (c) 125 (d) 160  
 (e) None of these
26. A shopkeeper charges 29% more than cost price. A customer paid ₹ 7482/- for a computer table then find cost price of computer table.  
 (a) ₹ 6000/- (b) ₹ 5700/-  
 (c) ₹ 6250/- (d) ₹ 5675/-  
 (e) None of these
27. Average age of a woman and her daughter is 24 year. Ratio of their ages is 3:1 respectively. Find age of daughter.  
 (a) 12 years (b) 24 years  
 (c) 36 years (d) 48 years  
 (e) None of these
28. A canteen requires 42 dozen apples in a week, how many apples will be needed in 39 days?  
 (a) 294 (b) 273
- (c) 504 (d) 234  
 (e) None of these
29. Difference between 71% and 58% of a number is 299. What will be 67% of same number?  
 (a) 1608 (b) 1407  
 (c) 1541 (d) 1474  
 (e) None of these
30. Average of 5 consecutive odd numbers is 95. Find product of third and fifth number.  
 (a) 9215 (b) 9405  
 (c) 9120 (d) 9603  
 (e) None of these
31. Sumit bought an article for ₹ 6500/- and sold it at the gain of 24%. From that amount he purchased another article and sold it at the loss of 20%. Find overall gain/loss %.  
 (a) Loss of ₹ 42/- (b) Gain of ₹ 42/-  
 (c) Loss of ₹ 52/- (d) No profit no loss  
 (e) None of these
32. What should come in place of question mark (?)  

$$\frac{(?)^{\frac{3}{2}}}{33} = \frac{3}{(?)^{\frac{1}{2}}}$$
 (a)  $(99)^{\frac{1}{2}}$  (b)  $\sqrt[3]{93}$   
 (c)  $3\sqrt{11}$  (d) 99  
 (e) None of these
33. What will be  $\frac{7}{4}\%$  of  $\frac{5}{8}$  of 1200?  
 (a) 555 (b) 565  
 (c) 445 (d) 455  
 (e) None of these
34. Monthly income of Mani is  $\frac{3}{4}$  of monthly income of Rakhi & monthly income of Rakhi is ₹ 38000/- then annual income of Mani.  
 (a) ₹ 4.32 lakh (b) ₹ 3.42 lakh  
 (c) ₹ 3.22 lakh (d) ₹ 4.22 lakh  
 (e) None of these
35. Length of a rectangle is 24 cm which is 10 cm more than circumference of a circle. Find area of circle.  
 (a)  $210 \text{ cm}^2$  (b)  $176 \text{ cm}^2$   
 (c)  $132 \text{ cm}^2$  (d)  $154 \text{ cm}^2$   
 (e) None of these
36. Weight of 7 boys are 70 kg, 64 kg, 53 kg, 81 kg, 45 kg, 76 kg, and 92 kg. Find average weight.  
 (a) 69 kg (b) 71 kg

- (c) 65 kg (d) 73 kg  
(e) None of these
37. The simple interest accrued on a sum of ₹ 24000/- in 5 years is  $\frac{1}{10}$  of principal. Find rate of S.I.  
(a) 5 (b) 4  
(c) 6 (d) 2  
(e) None of these
38. Monthly income of Mira is  $\frac{2}{5}$  of Kishan. Annual income of kishan is ₹ 2.13 lakh. Find annual income of Mira  
(a) ₹ 72,000/- (b) ₹ 84,200/-  
(c) ₹ 85,200/- (d) ₹ 71,000/-  
(e) None of these
39. Ruchita secure 43 marks in Hindi, 45 marks in Science, 67 marks in Maths, 89 marks in Science and 65 marks in English out of 120 marks in each paper. Find her overall % of marks.  
(a) 55.1 (b) 51.5  
(c) 65 (d) 62  
(e) None of these
40. Six boys can finish a work in 24 hrs. In how many hours 9 boys will finish the same work?  
(a) 18 (b) 16  
(c) 12 (d) 14  
(e) None of these
41. In how many different ways letters of the word COMET be arranged?  
(a) 120 (b) 40  
(c) 80 (d) 100  
(e) None of these
42. Cost of 21 kg of sugar is ₹ 546/- and cost of 19 kg of tea is ₹ 342/-. What will be total cost of 34 kg sugar and 63 kg of tea ?  
(a) ₹ 2020/-  
(b) ₹ 1998/-  
(c) ₹ 2018/-  
(d) Cannot be determined
- (c) None of these
43. What should come in place of question mark (?) in the given series ?  
654 646 630 ? 574 534  
(a) 606 (b) 614  
(c) 598 (d) 622  
(e) None of these
44. What least number must be subtracted from 9068 to make it a perfect square number?  
(a) 148 (b) 51  
(c) 189 (d) 43  
(e) None of these
45. 786 times 467 = ?  
(a) 367529 (b) 367062  
(c) 366276 (d) 366395  
(e) None of these
- Direction (46-50):** In each of these questions a relationship is given with a question mark (?) in place of the correct symbol. Based upon the values on the right hand side and left hand side of the question mark, you have to decide which of the following symbol will come in place of the question mark.
- Give answer if in place of question mark (?) following will come:
- (a) > (greater than)  
(b) = (equal to)  
(c) < (less than)  
(d)  $\geq$  (greater than or equal to)  
(e)  $\leq$  (smaller than or equal to)
46.  $[(60 - (3)^2) \times 4] ? \pm [\sqrt{144} \times \sqrt{289}]$   
47.  $-[(78 + 156) + 125] ? - [(29 + 2) \times 0.5]$   
48.  $-[\{\sqrt{169} - \sqrt{49}\} \times (-2.5)] ? [0.4 \times (42 + 1.5)]$   
49.  $[276 - (36 - 48)] ? [(12)^2 \times 2]$   
50.  $\pm [(52 + 8) + (83 + 2)] ? \sqrt{2304}$