Simplifications

Directions (1 - 35): What will come in place of the question mark (?) in the following questions?

1. (34.5 x 14 x 42) ÷2.8=?

1) 7445 2) 7425 3) 7245 4) 7435 5) None of these

2. -676.76 + 1237.87 + 897.34 - ? = 1294.25

1) 168.2 2) 164.2 3) 154.2 4) 164.8 5) None of these

3. $\frac{3}{8}$ of {4624 ÷ (564 − 428)}=?

1) 11.75 2) 12.57 3) 21.75 4) 12.75 5) None of these

4. $\frac{6\times136\div8+132}{628\div16-26.25}$=?

1) 18 2) 17 3) 28 4) 19 5) None of these

5. $(216)^4 \div (36)^4 \times 6^5 = (6)^?$

1) 8 2) 9 3) 7 4) 10 5) 11

6. 456 ÷ 24 × 38 – 958 + 364=?

1) 228 2) 124 3) 128 4) 138 5) 145

7. $3\frac{6}{17} \div 2\frac{7}{34} - 1\frac{9}{25} = (?)^2$

1) 2/5 2) 3/5 3) 5/2 4) 5/3 5) 4/7

8. (973 ÷ 14) ÷ 5 × 11=?

1) 152.2 2) 152.9 3) 159.2 4) 195.2 5) None of these

9. $\frac{\sqrt{4356}\times\sqrt{?}}{\sqrt{6084}} = 11$

1) 196 2) 125 3) 169 4) 225 5) 81

10. $(43)^2 + 841 = (?)^2 + 1465$

1) 15 2) 65 3) 45 4) 35 5) 25

11. $4\frac{1}{2} + \left(1 \div 2\frac{8}{9}\right) - 3\frac{1}{13} = ?$

1) 23/13 2) 13/23 3) 25/13 4) 25/26 5) None of these

12. $\left\{(441)^{\frac{1}{2}} \times 207 \times (343)^{\frac{1}{3}}\right\} \div \left\{(14)^2 \times (529)^{\frac{1}{2}}\right\} = ?$

1) 5.75 2) 6.75 3) 7.75 4) 6.25 5) 6.50

13. (1097.63 + 2197.36 - 2607.24) ÷ 3.5 =?

1) 196.5 2) 186.5 3) 196.75 4) 200.5 5) 136.5

14. $\left\{\sqrt{7744} \times 11^2\right\} \div 2^3 = (?)^3$

1) 121 2) 11 3) 9 4) 12 5) 17

15. $3\frac{3}{8} \times 6\frac{5}{12} - 2\frac{3}{16} \times 3\frac{1}{2} = ?$

1) 16 2) 12 3) 14 4) 18 5) 17

16. (12×19) + (13×8) = (15×14) + ?

1) 124 2) 122 3) 126 4) 128 5) None of these

17. $\sqrt{65 \times 12 - 50 + 54} = ?$

1) $\sqrt{28}$ 2) 28^2 3) 28 4) 784 5) None of these

18. 15% of 524 - 2% of 985 + ? = 20% of 423

1) 25.9 2) 27.7 3) 25.7 4) 24.9 5) None of these

19. $152 \times 8 + (228 \div 19)^2 = ?$

1) 1360 2) 1354 3) 1368 4) 1381 5) None of these

20. $\sqrt{1521} + \sqrt{225} = ?$

1) 56 2) 58 3) 54 4) 62 5) None of these

21. 38.734 + 8.638 - 5.19=?

1) 41.971 2) 42.179 3) 43.072 4) 42.182 5) None of these

22. $7^{8.9} \div (343)^{1.7} \times (49)^{4.8} = 7^{?}$ **[March 09, 2015 @ 24m 56s]**

1) 13.4 2) 12.8 3) 11.4 4) 9.6 5) None of these

23. $\sqrt[3]{512} \div \sqrt[4]{14} + \sqrt{576} = ?$

1) 24 2) 31 3) 22 4) 18 5) None of these

24. (42×3.2) ÷ (16×1.5) =?

1) 5.9 2) 5.6 3) 6.1 4) 4.8 5) None of these

25. $199 + 5^3 \div 4 \times 4^2 = ?$

1) 969 2) 655 3) 966 4) 799 5) None of these

26. 342 ÷ 6 × 28 = 1099 + ?

1) 478 2) 502 3) 486 4) 504 5) None of these

27. $\frac{9.8 \times 2.5 \times 7.6}{0.5} = ?$

1) 384.2 2) 379.5 3) 364.3 4) 372.4 5) None of these

28. $\frac{3}{5}\ of\ \frac{2}{7}\ of\ ? = 426$

1) 2490 2) 2565 3) 2475 4) 2485 5) None of these

29. $3\frac{2}{5} + 1\frac{2}{9} = 4\frac{4}{5} - ?$

1) 8/45 2) 7/47 3) 4/45 4) 5/81 5) None of these

30. $\frac{13}{63} \div \frac{104}{14} \times \frac{52}{19} = ?$

1) 12/173 2) 13/171 3) 17/171 4) 18/171 5) None of these

31. $(?)^2 + (65)^2 = (160)^2 - (90)^2 - 7191$

1) 75 2) 77 3) 79 4) 81 5) None of these

32. 398 x ? x 7 = 47362

1) 15 2) 13 3) 17 4) 19 5) None of these

33. $\frac{18696}{20853} \times \frac{11916}{28728} = ?$

1) $\frac{181}{331}$ 2) $\frac{164}{441}$ 3) $\frac{155}{246}$ 4) $\frac{161}{241}$ 5) None of these

34. (0.08%of363+0.6%of241) x 500 =?

1) 846.2 2) 868.2 3) 84.62 4) 86.82 5) None of these

35. 4+4.44+44.4+4.04+444 =?

1) 500.88 2) 577.2 3) 495.22 4) 472.88 5) None of these

Answers:

1 - 3	2 - 2	3 - 4	4 - 1	5 - 2	6 - 3	7 - 1	8 - 2	9 - 3	10 - 4
11 - 1	12 - 2	13 - 1	14 - 2	15 - 3	16 - 2	17 - 3	18 - 3	19 - 1	20 - 3
21 - 4	22 - 1	23 - 5	24 - 2	25 - 5	26 – 5	27 – 4	28 – 4	29 – 1	30 – 2
31 - 5	32 - 3	33 - 2	34 - 2	35 - 1					

Note: The date and time mentioned against some questions refer to the doubts clarification session on Quantitative Aptitude in which the question was solved.