

APPROXIMATION

1. $1524.79 \times 19.92 + 495.26 = ?$

A. 31000 B. 32000 C. 33000 D. 34000 E. 36000

2. $1548.45 + 3065.15 \div 15.058 = ?$

A. 1650 B. 1750 C. 1850 D. 1950 E. 1550

3. $25 \times 3.25 + 50.4 \div 24 = ?$

A. 77 B. 66 C. 55 D. 44 E. None of these

4. $(833.25 - 384.45) \div 24 = ?$

A. 15.8 B. 16.5 C. 18.7 D. 17.9 E. 17.5

5. $5907 - 1296 \div 144 = ? \times 8$

A. 700.25 B. 658.25 C. 628.25 D. 737.25 E. 630.5

6. $3237 \div 31 \times 15 = ? \times 17$

A. 120 B. 70 C. 90 D. 80 E. 60

7. $\sqrt{7378} \times \sqrt{1330} \div \sqrt{660} = ?$

A. 150 B. 160 C. 120 D. 170 E. 140

8. $(32.13)^2 + (23.96)^2 - (17.11)^2 = ?$

A. 1410 B. 1310 C. 1550 D. 1650 E. 1810

9. $67\% \text{ of } 801 - 231.17 = ? - 23\% \text{ of } 789$

A. 400 B. 490 C. 550 D. 600 E. 750

10. $(989/34) \div (65/869) \times (515/207) = ?$

A. 845 B. 870 C. 945 D. 745 E. None of these

11. $(4438 - 2874 - 559) \div (269 - 106 - 83) = ?$

A. 14.5 B. 12.5 C. 20.5 D. 27.5 E. None of these

12. $(78.95)^2 - (43.35)^2 = ?$

A. 4353.88 B. 4153.88 C. 4253.78 D. 4053.78
E. None of these

13. $434.43 + 43.34 + 3.44 + 4 + 0.33 = ?$

A. 455.54 B. 485.54 C. 475.54 D. 465.54
E. None of these

14. $(755\% \text{ of } 523) \div 777 = ?$

A. 5 B. 6 C. 8 D. 7 E. None of these

15. $156 + 16 \times 1.5 - 21 = ?$

A. 126 B. 149 C. 141 D. 159 E. None of these

16. $783.559 + 49.0937 \times 31.679 - 58.591 = ?$

A. 1280 B. 3280 C. 2280 D. 1880

E. None of the above

17. $(\sqrt{7921} - \sqrt{2070.25}) \times (1/4) = ?$

A. 15 B. 16 C. 17 D. 19 E. 11

18. $(12.25)^2 - \sqrt{625} = ?$

A. 145.1625 B. 125.0625 C. 155.1625

D. 165.0625 E. None of these

19. $8451 + 793 + 620 - ? = 6065 + 713$

A. 3486 B. 3586 C. 3286 D. 3186 E. None of these

20. $22240 \div \sqrt{?} = 34 \times 12$

A. 3065 B. 3085 C. 3025 D. 3075 E. None of these

21. $(29.8\% \text{ of } 260) + (60.01\% \text{ of } 510) - 103.57 = ?$

A. 450 B. 320 C. 210 D. 280 E. None of these

22. $(21.98)^2 - (25.02)^2 + (13.03)^2 = ?$

APPROXIMATION

A. 85 B. 25 C. 75 D. 65 E. None of these

23. $(0.064) \times (0.4)^7 = (0.4)^2 \times (0.0256)^2$

A. 7 B. 2 C. 8 D. 3 E. None of these

24. $572 \div 26 \times 12 - 200 = (2)^2$

A. 5 B. 6 C. 8 D. 7 E. None of these

25. 350% of ? $\div 50 + 248 = 591$

A. 4700 B. 4900 C. 4100 D. 4600 E. None of these

26. $534.596 + 61.472 - 496.708 = ? + 27.271$

A. 126.631 B. 62.069 C. 72.089

D. 132.788 E. None of the above

27. $(\sqrt{5} - 2)^2 = ? - \sqrt{80}$

A. 5 B. 6 C. 7 D. 1 E. 9

28. $(\sqrt{3} - 2)^2 = ? - \sqrt{12} - \sqrt{36}$

A. $13 - 2\sqrt{3}$ B. $13 - 4\sqrt{3}$ C. $13 - 6\sqrt{3}$

D. $13 - 9\sqrt{3}$ E. None of these

29. $(9 \div 2 \times 27 \div 9) / (18 \div 7.5 \times 5 \div 4)$

A. 3.5 B. 2.5 C. 5.5 D. 4.5 E. None of these

30. $6412 \div 415 = 64?$

A. 6 B. 8 C. 7 D. 5 E. None of these

31. $(23.6\% \text{ of } 1254) - (16.6\% \text{ of } 834) = ?$

A. 159.5 B. 153.5 C. 156.5

D. 157.5 E. None of these

32. $434.43 + 43.34 + 3.44 + 4 + 0.33 + 0.1 = ?$

A. 485.54 B. 485.64 C. 484.54

D. 484.64 E. None of these

33. $4895 + 364 \times 0.75 - 49 = ?$

A. 5221 B. 5219 C. 5119 D. 5115 E. None of these

34. $811.81 + 88.11 + 0.88 + 1.88 + 8 = ?$

A. 935.10 B. 910.68 C. 910.84

D. 920.84 E. None of these

35. $(7171 + 3854 + 1195) \div (892 + 214 + 543) = ?$

A. 7 B. 9 C. 11 D. 17 E. None of these

36. $1164 \times 128 \div 8.008 + 969.007 = ?$

A. 13684 B. 12694 C. 19594

D. 17694 E. None of these

37. $69.008\% \text{ of } 699.998 + 32.99\% \text{ of } 399.999 = ?$

A. 615 B. 645 C. 675 D. 715 E. 725

38. $4374562 \times 64 = ? \times 7777$

A. 36040 B. 36560 C. 36000

D. 39700 E. None of these

39. $(?)^2 + (123)^2 = (246)^2 - (99)^2 - 2462$

A. 184 B. 186 C. 182 D. 172 E. None of these

40. $(36.14)^2 - (21.28)^2 = ?$

A. 856 B. 828 C. 835 D. 853 E. None of these

41. $572 \div 26 \times 12 - 200 = 2^?$

A. 5 B. 3 C. 6 D. 7 E. None of these

42. $43931.03 \div 2011.02 \times 401.04 = ?$

APPROXIMATION

A. 7500 B. 8300 C. 8800 D. 8850 E. None of these

43. $[(3\sqrt{8} + \sqrt{8}) \times (8\sqrt{8} + 7\sqrt{8})] - 98 = ?$

A. 352 B. 382 C. 362 D. 372 E. None of these

44. $(23.1)^2 + (48.6)^2 - (39.8)^2 = ? + 1147.69$

A. 185.84 B. 175.84 C. 135.84

D. 163.84 E. None of these

45. $3463 \times 295 - 18611 = ? + 5883$

A. 997071 B. 997091 C. 999090

D. 997090 E. None of these

46. $\sqrt{7378} \times \sqrt{1330} \div \sqrt{660} = ?$

A. 130 B. 120 C. 160 D. 170 E. None of these

47. $6999 \div 70.005 \times 94.998 = ? \times 19.999$

A. 475 B. 380 C. 640 D. 720 E. None of these

48. $89.988\% \text{ of } 699.9 + 50.002\% \text{ of } 999.99 - 170.015 = ?$

A. 950 B. 930 C. 960 D. 970 E. None of these

49. $\sqrt{(72 \times 24 \times 2 - (11)^3 + 3)} = ?$

A. 52 B. 32 C. 62 D. 72 E. None of these

50. $65\% \text{ of } \sqrt{3136} \times 5 = ? + 154$

A. 56 B. 28 C. 35 D. 32 E. None of these

ANSWERKEY

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