1. 1,384 + 5,580 + 47,218 = _____.   (   ).

A. 54,182   B. 54,178   C. 51,184   D. 51,178

2. The sum of which of the following is the smallest?   (   ).

A. 923+456   B. 701+632   C. 602+788   D. 513 + 998

3. Which of the following would give the value zero?   (   ).

A. 30÷0   B. 30x1   C. 30x0   D. 30÷30

4. 2,493 – 276 = _____.   (   ).

A. 2769   B. 2627   C. 2227   D. 2217

5. 371503 – 281498 = _____   (   ).

A. 91005   B. 90905   C. 90095   D. 90005

6. 209 – 21 – 69 = _____.   (   ).

A. 119   B. 109   C. 99   D. 89

7. 43 x 218 = _____.   (   ).

A. 6864   B. 7194   C. 8944   D. 9374

8. 4668 ÷ 4 = _____.   (   ).

A. 1267   B. 1167   C. 1087   D. 1012

9. 8152 ÷ 32 = _____.   (   ).

A. 254 remainder 30   B. 242 remainder 30   C. 204 remainder 15

10. Which of the following is true?   (   ).

A. 130÷0 = 0   B. 150÷1=50   C. 0 x 130 = 0   D. 150 x 1 = 151

11. 244 + (8 x4) – 318 ÷6 = _____.   (   ).

A. 203   B. 223   C. 329   D. 429

12. 7 and 9 are the factors of x. What is the possible value of x?.   (   ).

A. 63   B. 70   C. 81   D. 84   .

13. The lowest common multiple of 3,6 and x is 24. The possible value of x is

A. 3   B. 4   C. 6   D. 8   (   ).

14. Write $25\dfrac{2}{5}$ as an improper fraction.   (   ).

A. $\dfrac{125}{5}$　　　B. $\dfrac{127}{5}$　　　C. $\dfrac{128}{5}$　　　D $\dfrac{50}{5}$.

15. $\left[\left((625)^{\frac{-1}{2}}\right)^{\frac{-1}{4}}\right]^{2}$ = _____.　　　　（　　）.

A. 4　　　　　B. 5　　　　　C. 2　　　　　D. 3

16. $\left(5\left(8^{\frac{1}{3}}+27^{\frac{1}{3}}\right)^{3}\right)^{\frac{1}{4}}$ = _____.　　　　（　　）.

A. 3　　　　　B. 6　　　　　C. 5　　　　　D. 4

17. $(1^{3}+2^{3}+3^{3}+4^{3})^{-3/2}$ = _____.　　　　（　　）.

A. 10^{-3}　　　B. 10^{-2}　　　C. 10^{-4}　　　D. 10^{-1}

18. $\dfrac{1}{3}+\dfrac{3}{4}+\dfrac{5}{6}$ =　　　　　　　　　　　　　　　　　（　　）.

A. $1\dfrac{5}{12}$　　　B. $1\dfrac{7}{12}$　　　C. $1\dfrac{9}{12}$　　　D. $1\dfrac{11}{12}$

19. $7\dfrac{3}{4}+4\dfrac{3}{4}-4\dfrac{3}{5}$ = _____.　　　　（　　）.

A. $7\dfrac{18}{20}$　　　B. $7\dfrac{8}{20}$　　　C. $7\dfrac{4}{20}$　　　　D. $7\dfrac{3}{20}$

20. If $\sqrt{9^{x}}=\sqrt[3]{9^{2}}$ then the value of x is _____.　　　　（　　）.

A. $\dfrac{2}{3}$　　　B. $\dfrac{4}{3}$　　　C. $\dfrac{1}{3}$　　　D. $\dfrac{5}{3}$

21. If $A\subset B$ and $B\subset C$, then _____.

22. $30-\left(\dfrac{2}{7}\div\dfrac{2}{21}\right)$ = _____.

23. $\left(\dfrac{1}{5}\div\dfrac{1}{10}\right)x\dfrac{1}{18}$ = _____.　　　　（　　）.

A. 9　　　　　B. 7　　　　　C. $\dfrac{1}{5}$　　　　D. $\dfrac{1}{9}$

24. $\left(\dfrac{3}{4}+\dfrac{5}{8}\right)\div\dfrac{1}{16}$ = _____.　　　　（　　）.

A. 22　　　　B. 20　　　　C. $\dfrac{1}{20}$　　　　D. $\dfrac{1}{22}$

25. Express 0.07 as a fraction　　　　　　　　　　　　　　　（　　）.

A. $\dfrac{7}{10}$ B. $\dfrac{1}{70}$ C. $\dfrac{7}{100}$ D. $\dfrac{1}{700}$

26. 0.0999 as a fraction   (   ).

A. $\dfrac{999}{10}$ B. $\dfrac{999}{100}$ C. $\dfrac{999}{1000}$ D. $\dfrac{999}{10000}$.

27. Which of the following is the smallest decimal.   (   ).

A. 0.018   B. 0.07   C. 0.074   D. 0.0054

28. Which of the following is the greatest decimal?   (   ).

A. 0.0019   B. 0.009   C. 0.019   D. 0.0091

29. $(-0.3)^2$ (   ).

A. –0.09   B. –0.09   C. 0.09   D. 0.9

30. $\left(-\dfrac{4}{9}\right)^2 = $ _____ .   (   ).

A. $-\dfrac{16}{81}$ B. $-\dfrac{4}{9}$ C. $\dfrac{16}{81}$ D. $\dfrac{4}{9}$

31. $\left(5\dfrac{1}{2}\right)^2 = $ _____ .   (   ).

A. $\dfrac{1}{4}$ B. $\dfrac{11}{4}$ C. $\dfrac{25}{4}$ D. $\dfrac{121}{4}$

32. Calculate the value of $\sqrt{144} + \sqrt{16} x \sqrt{4} = $ _____ .

33. If $\sqrt[4]{\sqrt[3]{x^2}} = x^k$ then k = _____ .

34. Given that $4^{n+1} = 256$ then n = _____ .

35. Given that $2^h \times 2^3 = 2^9$ then the value of h = _____ .

36. $\sqrt{x^{-1}y} \cdot \sqrt{y^{-1}z} \cdot \sqrt{z^{-1}x} = $ _____ .

37. $8^{4/3} \times 2^{-1} = $ _____ .

38. Calculate the value of $\sqrt{6\dfrac{1}{4}} = $ _____ .

39. Calculate the value of $\sqrt{1-\dfrac{16}{25}} = $ _____ .

40. $\sqrt{169-69} x \dfrac{1}{5^2} = $ _____ .

41. $\sqrt{13^2} - \sqrt{36} \times \sqrt{4} = $ _____ .

42. Which of the following is not equal to 5?

A. $\sqrt{5^2}$ B. $\left(\sqrt{5}\right)^2$ C. $\sqrt{(-5)^2}$ D. $-\sqrt{5^2}$

43. Which of the following one false for $\sqrt{9+4}$ (   ).

A. $\sqrt{9}+\sqrt{4}$ B. $3+2$ C. $\sqrt{13}$ D. None

44. The square of a number 'n' is   (   ).

A. n^2 B. 2n   C. n x n   D. None

45. $\sqrt{x^2 \times y^2 \times z^2}$ = _____.

46. $\dfrac{24pq}{5p^2} \times \dfrac{25pr}{12q}$ = _____.

47. $-18ac^2$ x 3b ÷ 9abc = _____.

48. $(a+2b)^2$ = _____.

49. $(a-c)^2 - 2ac$ = _____--.

50. Which of the following has greater value?   (   ).

A. 12^9 B. 10^{11} C. 11^{10} D. All are same.

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