

1. The difference between the place values of 7 in the numeral 574873 is:
a. 0 b. 7896 c. 96390 d. 69305
2. The unit's digit in the product $(274 \times 318 \times 577 \times 343)$ is:
a. 2 b. 3 c. 4 d. 5
3. If the number 42573^* is completely divisible by 72, then which of the following number should replace the asterisk?
a. 4 b. 5 c. 6 d. 7
4. A four digit number divisible by 7 becomes divisible by 3, when 10 is added to it. The largest such number is :
a. 9987 b. 9989 c. 9996 d. 9947
5. The greatest number that will divide 187,233 and 279 leaving the same remainder in each case is:
a. 30 b. 36 c. 46 d. 56
6. On sports day, if 30 children were made to stand in a column, 16 columns could be formed. If 24 children were made to stand in a column, how many columns could be formed?
a. 45 b. 20 c. 22 d. 29
7. The number of students in each section of a school is 24. After admitting new students three new section were started. Now, the total number of sections is 16 and there are 21 students in each section. The number of new students admitted is:
a. 24 b. 14 c. 48 d. 114
8. Each boy contributed rupees equal to the number of girls and each girl contributed rupees equal to the number of boys in a class of 60 students. If the total contribution thus collected is Rs. 1600, How many boys are there in the class?
a. 30 b. 25 c. 50 d. data inadequate
9. Maduri has 85 currency notes in all, some of which are of Rs.100 denominations and the remaining of Rs.50 denomination. The total amount of all these currency notes was Rs.5000. How much amount in Rs. Did she have in the denomination of Rs.50?
a. 3500 b. 70 c. 1500 d. none of these
10. Which of the following number has rational square root?
a. 0.4 b. 0.09 c. 0.9 d. 0.025
11. By what least number 675 be multiplied to obtain a number which is a perfect cube?
a. 5 b. 6 c. 7 d. 8
12. The average age of 30 students of a class is 12 years. The average age of a group of 5 students is 10 years and that of another group of 5 of them is 14 years. What is the average age of the remaining students?
a. 8 years b. 10 years c. 12 years d. 14 years
13. The average of 11 observations is 60. If the average of first five observations is 58 and that of the last five is 56, then the 6th observation is:
a. 90 b. 110 c. 85 d. 100
14. The average weight of 6 men decreases by 3 Kg when one of them weighing 80 Kg is replaced by a new man. The weight of the new man is:

- a. 56 Kg b. 58 Kg c. 62 Kg d. 76 Kg

15. The difference of two numbers is 205 of the largest number. If the smaller number is 12, the larger one is:

- a. 16 b. 15 c. 18 d. 20

16. If one-seventh of a number exceeds its eleventh part by 100, then the number is:

- a. 770 b. 1100 c. 1825 d. 1925

17. Sachin was twice as old as Ajay 10 years back. How old is Ajay today if Sachin will be 40 years old 10 years hence?

- a. 20 years b. 10 years c. 30 years d. none of these

18. Ten years ago A was half of B in age. If the ratio of their present age is 3:4, what will be the total of their present ages?

- a. 8 years b. 20 years c. 30 years d. 35 years

19. If 6 years are subtracted from the present age of Gulzar and the remainder is divided by 18, then the present age of his grandson Anup is obtained. If Anup is 2 years younger to Mathesh whose age is 5 years, then what is the present of Gulzar

- a. 96 years b. 84 years c. 48 years d. 60 years

20. Pushpa is twice as old as Rita was 2 years ago. If the difference of their ages be 2 years, how old is Pushpa today?

- a. 6 years b. 8 years c. 10 years d. 12 years

21. Average age of A and B is 24 years and average age of B, C and D is 22 years. The sum of the age is of A B C D is ?

- a. 90 years b. 96 years c. 114 years d. data inadequate.

22. A's marks in Biology are 20 less than 25% of the total mark obtained by him in biology, maths and drawing. If his mark in drawing be 50, what are his marks in maths?

- a. 40 b. 45 c. 50 d. cannot be determined

Rahim buys mangos at the rate of 3 kg for Rs.21/- and sells them at 5 kg for Rs.50/-. To earn Rs.102/- as profit, he must sell

- a. 26 kg b. 32 kg c. 34 kg d. 56 kg

23. X, Y, and Z share a sum of money in the ratio 7:8:16. If Z receives Rs.27/- more than X, Then the total money shared was

- a. Rs.48 b. Rs.93 c. Rs.279 d. Rs.558

24. Rs.120/- are divided among A, B, C such that A's share is Rs.20/- more than B's and Rs.20/- less than C's. What is B's share?

- a. Rs.10 b. Rs.15 c. Rs.20 d. Rs.25

25. Manoj received RS.6000/- as his share out of the total profit of Rs.9000/- which he and Ramesh earned at the end of one year. If manoj invested Rs.20,000/- for 6 months, whereas ramesh invested his amount for the whole year, what was the amount invested by Ramesh?

- a. Rs.6000 b. Rs.10,000 c. Rs.4,000 d. Rs.5,000

26. Some persons can do a piece of work in 12 days. Two times the number of such persons will do half of that work in?

- a. 6 days b. 4 days c. 12 days d. 3 days

27. A certain number of men can finish a piece of work in 100 days. If however, there were 8 more men, it could be finished in 10 days less. The number of men in the beginning were:

- a. 30 b. 35 c.40 d.45

28. A and B together can complete a piece of work in 35 days while A alone can complete the same work in 60 days. B alone will be able to complete the same work in:

- a. 42 days b. 72 days c. 84 days d. 96 days

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