

Problems

1) The average of five positive numbers is 213. The average of the first two numbers is 233.5 and the average of last two numbers is 271. What is the third number?

a) 64 b) 56 c) 106 d) Cannot be determined e) None of these

2) Find the average of the following set of scores:

a)442 b)441 c)440 d)439 e)None of these

3) If $36a + 36b = 576$, then what is the average of a and b ?

a) 16 b) 8 c) 12 d) 6 e) None of these

4) The average marks of 65 students in a class was calculated as 150. It was later realized that the marks of one of the students was calculated as 142, whereas his actual average marks were 152. What is the actual average marks of the group of 65 students? Rounded off to two digits after decimal)

5) In a class there are 32 boys and 28 girls. The average age of the boys in the class is 14 years and the average age of the girls in the class is 13 years. What is the average age of the whole class? Rounded off to two digits after decimal)

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6) The average of 5 consecutive even numbers A, B, C, D and E respectively is 74. What is the product of C and E?

- a) 5928 b) 5616 c) 5538 d) 5772 e) None of these

7) Average of four consecutive odd numbers is 106. What is the third number in ascending order?

- a) 107 b) 111 c) 113 d) Cannot be determined e) None of these

8) If average of 11 consecutive odd numbers is 17, what is the difference between the smallest and the largest number?

- a) 18 b) 20 c) 22 d) 24 e) None of these

9) Of the three numbers, the average of the first and the second is greater than the average of the second and the third by 15. What is the difference between the first and the third of the three numbers?

- a) 15 b) 45 c) 60 d) Data inadequate e) None of these

10) The ratio of roses and lilies in a garden is 3:2 respectively. The average number of roses and lilies is 180. What is the number of lilies in the garden?

- a) 144 b) 182 c) 216 d) 360 e) None of these

11) The average monthly income of a family of four earning members was Rs.15130. One of the daughters in the family got married and left home, so the average monthly income of

11) The average monthly income of a family of four earning members was Rs.15130. One of the daughters in the family got married and left home, so the average monthly income of the family came down to Rs.14660. What is the monthly income of the married daughter?

- a) Rs.15350 b) Rs.12000 c) Rs.16540 d) Cannot be determined e) None of these

12) The average temperature of Monday, Tuesday, Wednesday and Thursday was 36.5° C and for Tuesday, Wednesday, Thursday and Friday was 34.5° C. If the temperature on Monday was 38° C, find the temperature on Friday.

- a) 34° C b) 36° C c) 37.4° C d) 32° C e) 30° C

13) A cricketer has an average score of 49 runs in 24 innings. How many runs must he score in the 25th innings to make his average 50?

- a) 94 b) 84 c) 74 d) 76 e)None of these

14) The average age of 14 boys in a class is 13 years. If the class teacher's age is included, the average age is increased by one year. What is the class teacher's age?

- a) 31 years b) 27.5 years c) 24 years d) 28 years e) None of these

15) The average of four positive integers is 73.5. The highest integer is 108 and the lowest integer is 29. The difference between the remaining two integers is 15. Which of the following is the smaller of the remaining two integers?

- a) 80 b) 86 c) 73 d) Cannot be determined e)None of these

16) In a class of 75 students, the average age is 23 years. The average age of male students is 25 years and that of female students is 20 years. Then the ratio of male to female students is
a) 3:2 b)7:3 c) 8:7 d) 6:9 e) 9:6

17) Average salary of 19 workers in an industry Rs.2500. The salary of supervisor is Rs.5550. Find the average salary of all the 20 employees.
a)Rs.3355.5 b) Rs.4500.00 c) Rs.4642.5 d) Rs.2652.5 e) None of these

18) The average of three even consecutive numbers is 24. What is the summation of the three numbers?
a) 24 b) 72 c) 26 d) 80 e) None of these

19) The sum of seven consecutive even numbers of a set is 532. What is the average of first four consecutive even numbers of the same set?
a) 76 b) 75 c) 74 d) 73 e) None of these

20) There are 50 boys in a class. One boy weighing 40 kg goes away and at the same time another boy joins the class. If the average weight of the class is thus decreased by 100 g, find the weight of the new boy.
a) 35kg b) 43kg c) 36kg d) 30 kg e) None of these

21) Kamlesh bought 65 books for Rs.1050 from one shop and 50 books for Rs.1020 from another. What is the average price he paid per book?



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26) The average of marks obtained in 120 students was 39. If the average of passed candidates was 39 and that of failed candidates is 15, the number of candidates who passed the examination is:

- a) 100 b) 110 c) 120 d) 80

27) The average marks in Hindi subject of a class of 54 students is 76. If the marks of two students are misread as 60 and 77 of the actual marks 36 and 47 respectively, then what would be the correct average?

- a) 75.5 b) 77 c) 75 d) 76.5 e) None of these