

AVERAGE

Basic Questions :

1. If the average of three consecutive even numbers is 34, find the largest of these numbers?
2. What is the average of the first five multiples of 12?
3. Average of five numbers is 20. If each number is multiplied by 2, what will be the new average?

Equation :

4. The average of Parkash marks in 6 subjects is 74. If his average in five subjects excluding science is 70, how many marks he obtained in science?
5. The average of runs of a cricket player of 10 innings was 32. How many runs must he make in his next innings so as to increase his average of runs by 4?
6. A batsman makes a score of 87 runs in the 17th inning and thus increases his average by 3. Find his average after the 17th inning?
7. A grocer has a sale of Rs 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs.6500?
8. A library has an average of 510 visitors on Sundays and 240 on other days. The average number of visitors per day in a month of 30 days beginning with a Sunday is:
9. The average temperature of the town in the first four days of a month was 58 degrees. The average for the second, third, fourth and fifth days was 60 degrees. If the temperatures of the first and fifth days were in the ratio 7:8, then what is the temperature on the fifth day?
10. The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is:
11. Out of 9 persons, 8 persons spent Rs. 30 each for their meals. The ninth one spent Rs. 20 more than the average expenditure of all the nine. The total money spent by all of them was?

12. The average of marks obtained in 120 students was 35. If average of passed candidates was 39 and that of failed candidates is 15, the numbers of candidates who passed the examinations is?

Mistaken Values:

13. The average weight of 36 men is 50 kg. It was found later that the figure of 37 kg was misread as 73 kg. What is the correct average?
14. A pupil's marks were wrongly entered as 83 instead of 63. Due to that the average marks for the class got increased by half. The number of pupils in the class is:

Replacing :

15. The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?
16. The average weight of 12 person's increases by 1.5 kg when a new person comes in place of one of them weighing 62 kg. What might be the weight of the new person?

Including / Excluding :

17. The average age of 30 students is 9 years. If the teacher included the average becomes 10 years. What is the age of the teacher?
18. The average age of 14 girls and their teacher's age is 15 years. If the teacher's age is excluded, the average reduces by 1. What is the teacher's age?