AVERAGES

1. A batsman makes a score of 87 runs in the 17th innings and thus increases his average by 3. Find his average after 17th innings.

   a) 39 b) 40 c) 60 d) None of these

2. The average of 6 numbers is 30. If the average of first four is 25 and that of last three is 35, the fourth number is

   a) 35 b) 30 c) 25 d) 40

3. What is the average of the 1st seven multiples of 2037?

   a) 4326 b) 8148 c) 6498 d) 926

4. The difference between the largest and the second largest of 3 numbers is added to the smallest number. Now, the average of the largest, second largest and the new number formed exceeds the average of the original 3 numbers by 5. The largest number exceeds the 2nd largest number by how much?

   a) 10 b) 15 c) 20 d) 30

5. A man covers a distance from A to B on scooter at 30 kmph and rides back from B to A at 20 kmph. Find his average speed during the whole journey?(kmph)

   a) 24 b) 20 c) 12 d) None of these

6. The average of marks obtained by 120 candidates was 35. If the average of passed candidates was 39 and that of failed candidates was 15, the number of candidates who passed the examination
   a) 100 b) 110 c) 120 d) 150

7. A housewife has to pick one watermelon from the vegetable cart containing a dozen watermelons with an average weight of 2.5kg per watermelon. If it is known that the lightest of the watermelons weighs not less than 1kg and the heaviest not more than 6kg then which of the following could not be the average weight of the watermelon (all in kg) on the cart after the house wife has taken her pick?

   a) 2.24 b) 2.31 c) 2.8 d) 2.19

8. In calculating the average of a number series starting with 1, I missed out one of the numbers and calculated the wrong average to be 22 , what is the number I missed while taking the average?

   a) 13 b) 14 c) 15 d) None of these

9. The average age of a board of 10 advisors of a company is same as, it was 3 years back on account of the replacement of one of the older advisor by a younger man. How much younger was the new man than the director whom he replaced?

   a) 3 yrs b) 15 yrs c) 30 yrs d) 24 yrs

10. The average monthly salary of 12 workers and 3 managers in a factory was Rs. 600. When one of the manager whose salary was Rs. 720, was replaced with a new manager, then the average salary of the team went down to 580. What is the salary (all in Rs.) of the new manager?

    a) 570 b) 420 c) 690 d) 640

11. Average cost of 5 apples and 4 mangoes is Rs. 36. The average cost of 7 apples and 8 mangoes is Rs. 48. Find the total cost (all in Rs.) of 24 apples and 24 mangoes.

    a) 1044 b) 2088 c) 720 d) 324

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12. A student finds the average of 10 positive integers. Each integer contains two digits. By mistake, the boy interchanges the digits of one number say ba for ab. Due to this, the average becomes 1.8 less than the previous one. What was the difference of the two digits a and b?

    a) 8   b) 6   c) 2   d) 4

13. The average of 5 quantities is 10 and the average of 3 of them is 9. What is the average of the remaining 2?

    a) 11   b) 12   c) 11.5 d) 12.5

14. When a student weighing 45 kgs left a class, the average weight of the remaining 59 students increased by 200g. What is the average weight of the remaining 59 students?

    a) 57 kg b) 56.8 kg c) 58.2 kg d) 52.2 kg

15. The average wages of a worker during a fortnight comprising 15 consecutive working days was Rs.90 per day. During the first 7 days, his average wages was Rs.87/day and the average wages during the last 7 days was Rs.92 /day. What was his wage (all in Rs.) on the 8th day?

    a) 83   b) 92   c) 90   d) 97

16. The average age of a family of five members is 20 years. If the age of the youngest member is 10 years, then what was the average age of the family at the time of the birth of the youngest member?

    a) 13.5 b) 14   c) 15   d) 12.5

17. The average weight of a class of 24 students is 36 kg. When the weight of the teacher is also included the average weight increases by 1 kg. What is the weight of the teacher in kg?

    a) 60   b) 61   c) 37   d) None

18. The average of 5 quantities is 6. The average of 3 of them is 8. What is the average of the remaining two numbers?

    a) 6.5   b) 4   c) 3   d) 3.5

19. The average weight of A, B, C is 45 kg. If the average weight of A and B is 40 kg and that of B and C is 43 kg, find the weight of B.

    a) 31 kg b) 35 kg c) 38 kg d) 36 kg

20. The average weight of A, B & C is 84 kg. When D joins this group, the average weight becomes 80 kg. If another man E, Whose weight is 3 kg, more than that of D replaces A, the average weight of B, C, D & E becomes 79 kg. Find out the weight of A.

    a) 80 kg b) 75 kg c) 85 kg d) 70 kg

21. The average mark obtained by 22 candidates in an examination is 45. The average of the first ten is 55 while that of the last eleven is 40. The marks obtained by the 11th candidate is

    a) 0 b) 3 c) 4 d) None of these.

22. The average weight of Ram, Lakhan and Pavan is 67 kg. If the average weight of Ram and Lakhan is 62 kg and that of Lakhan and Pavan is 68 kg, the weight of Lakhan in kg is

    a) 60 b) 62 c) 58 d) None of these.

23. The average of 8 numbers is 18. The average of 6 of these numbers is 15. The average of the remaining two numbers is

    a) 30 b) 20 c) 27 d) 24

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24. The average of a, b, c and d is 16. Half
    the sum of b, c and d is 28. The value of
    a is

    a) 8   b) 10
            c) 12   d) 16

25. If the average marks of a class of 50
    students in English is 25 and the
    average marks of the top 20 students
    is 40, then the average marks of the
    rest of the students is

    a) 20   b) 30
            c) 15   d) 10