Mental Ability

Ganit Bodh Series

Self Evaluation Test -15(Average)

1. Find the average age of a family of five members, whose ages are 42, 49, 56, 63 and 35 years respectively.
   a) 50 years
   b) 49 years
   c) 45 years
   d) 48 years

2. Rahul Ghosh walks from A to B at 8 km/h and comes back from B to A at 12 km/h. What is his average speed for the entire journey?
   a) 8.8 km/h
   b) 9.6 km/h
   c) 10.2 km/h
   d) 11.4 km/h

3. The average of five numbers is 39.20 and the average of three of these numbers is 41. Find the average of the remaining two numbers
   a) 35.5
   b) 36.5
   c) 37.5
   d) 38.5

4. In a class of 60 students, the average height of 30 students is x cm and that of the remaining students is y cm. Find the average height of the whole class.
   a) $(x + y)$ cm
   b) 30 cm
   c) $\dfrac{x + y}{2}$ cm
   d) None of these

5. What is the average of the first 15 multiples of 3?
   a) 21
   b) 27
   c) 24
   d) 15

7. The average of seven consecutive even numbers is 10. If the next three even numbers are included, then what is the new average?
   a) 10
   b) 12
   c) 13
   d) 14

8. Average weight of three students is 40 kg. If the first student is twice the second and the second student is thrice the weight of the third student, then what is the weight of the student with lightest weight?
   a) 18
   b) 20
   c) 14
   d) None of these

9. In a test, the average marks of five students was found to be 50. However during cross checking of the papers, it was discovered that the mark of one student was misread as 84 instead of 48. find the correct average.
   a) 57.2
   b) 42.8
   c) 46.5
   d) 43.2

10. The average weight of seven members of a family is 18 kg. If the head of the family is not considered, the average weight of the others would be 5 kg less. The weight of the head of the family is
    a) 42 kg
    b) 48 kg
    c) 52 kg
    d) 36 kg

11. Harsh is going to NDLS from PNBE by his car at a speed of 40 km/h. While coming back, he returns with a speed of x km/h. What should be the value of x so that his average speed during the entire journey is 80 km/h?
    a) 160 km/h
    b) 40 km/h
    c) 120 km/h
    d) It is not possible

12. The mean temperature of Monday to Wednesday was 37°C and of Tuesday to Thursday was 34°C. If the temperature on Thursday was 4/5 that of Monday, the temperature on Thursday was
    a) 38°C
    b) 36°C
    c) 40°C
    d) 39°C

13. The average monthly expenditure of a family was Rs. 2750 for the first 3 months, Rs. 3150 for the next three months and Rs. 6750 for the next three months. Find the average income of the family for the 9 months, if they save Rs. 650 per month.
    a) 4866.66
    b) 5123.33
    c) 4666.66
    d) 4216.66

14. The average temperature for Wednesday, Thursday and Friday was 40°C. The average for Thursday, Friday and Saturday was 41°C. If the temperature on Saturday was 42°C, what was the temperature on Wednesday?
    a) 39°C
    b) 44°C
    c) 38°C
    d) 41°C

15. The speed of the train in going from Nagpur to Allahabad is 100 km/hr while when coming back from Allahabad to Nagpur, its speed is 150 km/hr. Find the average speed during the whole journey.
    a) 125
    b) 75
    c) 135
    d) 120

16. The average marks of the girls in a class is equal to the number of boys and the average marks of boys is equal to the number of girls. If the class average is 4 less than the average of both the boys and the girls average marks, what will be the number of students in the class?
    a) 24
    b) 48
    c) 50
    d) 64

17. In the above question, what can be the minimum number of students in the class?
    a) 0
    b) 2
    c) 8
    d) None of these

18. A, B, C, D and E are five consecutive integers and the average of these five numbers is less than $\dfrac{1}{4}$ th of A.

    Then A is
    a) Positive
    b) Negative
    c) Even
    d) Data Sufficient

19. In a management entrance test, a student scores 2 marks for every correct answer and loses 0.5 marks for every wrong answer. A student attempts all the 100 questions and scores 120 marks. The number of questions he answered correctly was
    a) 50
    b) 45
    c) 60
    d) 68

20. The average income of the Shambhu and Ganesh is Rs. 3,000 and that of Arun and Vinay is Rs. 500. What is the average income of Sambhu, Ganesh, Arun and Vinay?
    a) Rs. 1750
    b) Rs. 1850
    c) Rs. 1000
    d) Rs. 2500

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