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1) The average temperature of the first 4 days of a week was 37°C and that of the last 4 days of the week was 41°C. If the average temperature of the whole week was 39°C, the temperature of the fourth day was

- a) 38.5°C                      b) 40°C  
c) 39°C                        d) 38°C

2) The average of 15 numbers is 7. If the average of the first 8 numbers is 6.5 and the average of the last 8 numbers is 8.5, then the middle number is :

- a) 23                              b) 15  
c) 13                              d) 10

3) In a certain year, the average monthly income of a person was Rs.3,400. For the first eight months of the year, his average monthly income was Rs.3,160 and for the last five months, it was Rs.4,120. His income in the eighth month of the year was

- a) Rs.5, 080                      b) Rs.5, 520  
c) Rs.15, 520                      d) Rs.3, 160

4) The average of two numbers is 8 and the average of other three numbers is 3. The average of the five numbers is :

- a) 3                                b) 6  
c) 5                                d) 2

5) The average of 11 results is 50. If the average of the first six results is 49 and that of the last six is 52, the sixth no. is

- a) 50                              b) 56  
c) 52                              d) 48

6) The average of 11 numbers is 63. If the average of first six numbers is 60 and the last six numbers is 65, then the 6th number is

- a) 60                              b) 64  
c) 62                              d) 57

7) Average of n numbers is a. The first number is increased by 2, second one is increased by 4, the third one is increased by 8 and so on. The average of the new numbers is

- a)  $a + 2 \frac{2^n - 1}{n}$                       b)  $a + \frac{2^n - 1}{n}$   
c)  $a + \frac{2^{n-1}}{n}$                       d)  $a + \frac{2^{n-1} - 1}{n}$

8) The average of nine numbers is 50. The average of the first five numbers is 54 and that of the last three numbers is 52. Then the sixth number is

- a) 34                              b) 44  
c) 24                              d) 30

9) The average of 8 numbers is 20. The average of first two numbers is  $15 \frac{1}{2}$  and that of the next three is  $21 \frac{1}{3}$ . If the sixth number be less than the seventh and eighth numbers by 4 and 7 respectively, then the eighth number is :

- a) 22                              b) 27  
c) 25                              d) 18

10) The average of three numbers is 135. The largest number is 195 and the difference between the other two is 20. The smallest number is

- a) 95                              b) 115  
c) 105                              d) 65

11) Out of four numbers the average of the first three is 16 and that of the last three is 15. If the last number is 20 then the first number is

- a) 25                              b) 21  
c) 28                              d) 23

12) The average of 13 results is 70. The average of first seven is 65 and that of the last seven is 75, the seventh result is :

- a) 70                              b) 70.5  
c) 68                              d) 67







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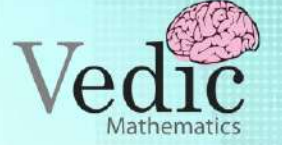
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13) The average of 20 numbers is 12. The average of the first 12 numbers is 11 and that of the next 7 numbers is 10. The last number is:

- a) 38                      b) 50  
c) 48                      d) 40

14) The average of six numbers is 3.95. The average of two of them is 3.4, while the average of the other two is 3.85. The average of the remaining two numbers is

- a) 4.5                      b) 4.7  
c) 4.8                      d) 4.6

15) The average of 12 numbers is 15 and the average of the first two is 14. What is the average of the rest?

- a)  $15\frac{1}{5}$                       b)  $14\frac{1}{5}$   
c) 14                      d) 15

16) The average of the largest and smallest 3 digit numbers formed by 0, 2 and 4 would be

- a) 213                      b) 303  
c) 222                      d) 312

17) The mean of 11 numbers is 35. If the mean of first 6 numbers is 32 and that of the last 6 numbers is 37, find the sixth number.

- a) 29                      b) 27  
c) 30                      d) 28

18) Out of four numbers, the average of the first three is 15 and that of the last three is 16. If the last number is 19, the first is

- a) 15                      b) 18  
c) 16                      d) 19

19) Out of seven given numbers, the average of the first four numbers is 4 and that of the last four numbers is also 4. If the average of all the seven numbers is 3, fourth number is

- a) 4                      b) 11  
c) 7                      d) 3

20) Out of four numbers, the average of the first three is 18 and that of the last three is 16. If the last number is 19, the first is

- a) 18                      b) 25  
c) 20                      d) 19

