AVERAGE-2_CSAT_QUESTIONS

1. In a 50 overs game, in first 30 overs of the game of cricket, the run rate was 6. What should be the run rate for the remaining overs so that the total reaches 400.
   (a) 11
   (b) 13
   (c) 8
   (d) 9

2. The average of 'n' numbers is zero. How many maximum numbers can be negative?
   (a) n-1
   (b) n
   (c) 1
   (d) 0

Direction (3-4): Each Question given below has a problem and two statements numbered I and II giving certain information. You have to decide if the information given in the statements is sufficient for answering the problem.
(a) Statement I alone is sufficient to answer the question, but Statement II alone is not sufficient.
(b) Statement II alone is sufficient to answer the question, but Statement I alone is not sufficient.
(c) Either statement I or II alone is sufficient to answer the question.
(d) Both the statements together are insufficient to answer the question.
(e) Both the statements together are sufficient to answer the question.

3. The average age of P, Q, R and S is 21 years. How old is P?
   I. The sum of ages of P and R is 25 years
   II. Q is 5 years older than R.
   (a) a
   (b) b
   (c) c
   (d) d
   (e) e

4. How many candidates were tested everyday by panel A out of the two panels A and B?
   I. Out of a total of 100 candidates tested everyday by the two panels, the number of candidates tested by panel B are 10 less than by Panel A.
   II. The two panels on average tested 50 candidates everyday.
   (a) a
   (b) b
   (c) c
   (d) d
   (e) e

5. A cricketer whose bowling average is 28 runs per wicket takes 8 wickets for 42 runs and thereby decreases his average by 1 then what is the number of wickets taken by him before this match?
   (a) 167
   (b) 142
   (c) 186
   (d) 174

6. In an exam, the average was found to be 50 marks. The marks of 50 candidates had to be changed from 60 to 40 each and then the average came down to 45 marks. Find the number of candidates who took the exam.
   (a) 450
   (b) 300
   (c) 150
   (d) 400

7. The total number of men, women and boys in a group of 120 is in the ratio of 2:9:4. The average age of men is 20% more than that of women and average age of women is 25% more than that of boys. What is the average age of women if the average of the group is $48\frac{2}{3}$ years.
   (a) 45
   (b) 50
   (c) 40
   (d) 48

8. Find the average of first 70 odd numbers.
   (a) 70
   (b) 69
   (c) 71
   (d) 35

9. A has twice as much money as that of C and B has 50% more money than that of A. If the average money of all of them is ₹40 then A has-
   (a) 60
   (b) 20
   (c) 40
   (d) 80

10. The average of 10 numbers is 9. If each number is multiplied by 11 then the average of the new set of numbers will be-
    (a) 9
    (b) 11
    (c) 89
    (d) 99

11. 12 chairs and 7 tables were bought for ₹20010. If the cost of a table is ₹1350 then what is the average cost of a chair?
    (a) 880
    (b) 1125
    (c) 1056
    (d) 998

12. Find the average of all prime numbers between 50 and 70?
(a) 68   (b) 66
(c) 70   (d) 60

13. A student on her first 3 tests received an average score of N points. If she exceeds her previous average score by 20 points on her fourth test, then what is the average score for the first 4 tests?
(a) N+20   (b) N+10
(c) N+4   (d) N+5

14. The average of the seven consecutive even numbers is 42. Find the smallest number.
(a) 26   (b) 36
(c) 30   (d) 32

15. Which of the following statements is/are correct?
I. The average of 20 numbers is 21. If the average of first 6 numbers is 35 then the average of remaining numbers will be 15.
II. Average of 121,145, 178, 214, 213 is 174.
(a) Only I.
(b) Only II.
(c) Both I and II
(d) Neither I nor II

16. The average of squares of four consecutive odd numbers is 201. Find the 5 times of the largest number.
(a) 90   (b) 20
(c) 65   (d) 85

17. If the average weight of 5 students is 45kg, that of 3 students is 42kg and that of 2 students is 40kg then find the average weight of all ten students.
(a) 44.2   (b) 43.1
(c) 41.5   (d) 42.6

18. The average of the 7 consecutive odd numbers is N. If the next three odd numbers are added, the new average will exceed the old average by-
(a) 4   (b) 2
(c) 3   (d) 7

19. If the average of x numbers is y^2 and that of y numbers is x^2, then the average of (x+y) numbers is-
(a) x^3+y^3 (b) x^2+y^2
(c) xy   (d) x+y

20. The average of 15 results is 16. The average of first 7 of them is 13 and that of last 7 is 18. Find the 8th result.
(a) 17   (b) 19
(c) 24   (d) 23