

CSAT

Average

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1. Suppose the average weight of 9 persons is 50 kg. The average weight of the first 5 persons is 45 kg, whereas the average weight of the last 5 persons is 55 kg. Then the weight of the 5th person will be **(2017)**

- a. 45 kg
- b. 47.5 kg
- c. 50 kg
- d. 52.5 Kg



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2. The average rainfall in a city for the first four days was recorded to be 0.40 inch. The rainfall on the last two days was in the ratio of 4 : 3. The average of six days was 0.50 inch. What was the rainfall on the fifth day? **(2017)**

- a. 0.60 inch
- b. 0.70 inch
- c. 0.80 inch
- d. 0.90 inch



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3. The average marks of 100 students are given to be 40. It was found later that marks of one student were 53 which were misread as 83. The corrected mean marks are **(2019)**

- a. 39
- b. 39.7
- c. 40
- d. 40



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4. A family has two children along with their parents. The average of the weights of the children and their mother is 50 kg. The average of the weights of the children and their father is 52 kg. If the weight of the father is 60 kg, then what is the weight of the mother? **(2019)**

- a. 48 kg
- b. 50 kg
- c. 52 kg
- d. 54 kg



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5. Consider the following data: **(2020)**

	Average marks in English	Average marks in Hindi
Girls	9	8
Boys	8	7
Overall average marks	8.8	x

What is the value of x in the above table?

- a. 7.8
- b. 7.6
- c. 7.4
- d. 7.2

6. The average age of a teacher and three students is 20 years. If all the three students are of same age and the difference between the age of the teacher and each student is 20 years, then what is the age of the teacher? **(2020)**

- a. 25 years
- b. 30 years
- c. 35 years
- d. 45 years



7. In a class, there are three groups A, B and C. If one student from group A and two students from group B are shifted to group C, then what happens to the average weight of the students of the class? **(2020)**

- a. It increases.
- b. It decreases.
- c. It remains the same.
- d. No conclusion can be drawn due to insufficient data.



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8. The average score of a batsman after his 50th innings was 46.4. After 60th innings, his average Score increases by 2.6. What was his average score in the last ten innings? **(2020)**

- a. 122
- b. 91
- c. 62
- d. 49



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9. There are two Classes A and B having 25 and 30 students respectively. In Class-A the highest score is 21 and lowest score is 17. In Class-B the highest score is 30 and lowest score is 22. Four students are shifted from Class-A to Class-B. **(2021)**

Consider the following statements :

1. The average score of Class-B will definitely decrease.
2. The average score of Class-A will definitely increase.

Which of the above statements is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

10. Consider the following addition problem : $3P + 4P + PP + PP = RQ2$; where P, Q and R are different digits. What is the arithmetic mean of all such possible sums ? (2021)

- a. 102
- b. 120
- c. 202
- d. 220



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11. The average weight of A, B, C is 40 kg, the average weight of B, D, E is 42 kg and the weight of F is equal to that of B. What is the average weight of A, B, C, D, E and F? **(2022)**

- a. 40.5 kg
- b. 40.8 kg
- c. 41 kg
- d. Cannot be determined as data is Inadequate



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12. Three statements S1, S2 and S3 are given below followed by a question:

C1, C2, C3 and C4, are four cities.

S1. Average rainfall of C1 and C3 is 55 cms and that of C2 and C4 is 45 cms.

S2. Average rainfall of C2, C3 and C4 is 50 cms.

S3. The sum of the rainfall of C1 and C4 is equal to that of C2 and C3.

Question: Find out the sum of the rainfall (in cm) of all the four cities.

- (a) S2 alone is sufficient to answer the question.
- (b) S3 alone is sufficient to answer the question.
- (c) S1 alone is sufficient to answer the question.
- (d) S2 and S3 together are sufficient to answer the question.

13. The average of 100 numbers is zero. Which of the following can be concluded about the numbers?

- (a) At most 90 numbers are positive.
- (b) At most 95 numbers are positive.
- (c) At most 99 numbers are positive.
- (d) At most 1 number is positive.



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14. In a cricket world cup Rohit scored 135, 128, 155, 230 and 162 runs in 5 consecutive innings. If after his next innings his average score increased by 4 runs, then which of the following is correct?

- (a) Runs scored in the next inning is 180.
- (b) Runs scored in the next inning is 186.
- (c) Runs scored in the next inning is 190.
- (d) Runs scored in the next inning is 184.



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15. Two statements S1 and S2 are given below followed by a Question

The average age of four friends Tom, Peter, Dev and Rita is 30 years.

S1. Sum of the ages of Tom and Dev is 60 years.

S2. Rita is 10 years younger than Dev.

How old is Dev?

- (a) S1 alone is sufficient to answer the question.
- (b) S2 alone is sufficient to answer the question.
- (c) S1 and S2 together are sufficient to answer the question, but neither S1 alone nor S2 alone is sufficient to answer the question.
- (d) S1 and S2 together are not sufficient to answer the question.

16. A can fill a form in 1.2 minutes, B can fill it in 1.5 minutes and C can fill it in 2.0 minutes. The average number of forms filled per hour by all three is:

- (a) 50
- (b) 40
- (c) 30
- (d) 45



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17. The average of 15 consecutive numbers is 26. The difference between third highest and fifth lowest number is:

- (a) 3
- (b) 8
- (c) 5
- (d) 4



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18. There are nine 2-digit consecutive odd numbers. If 59 is the mean of the first five such numbers, then what is the mean of all the nine numbers?

- (a) 73
- (b) 63
- (c) 65
- (d) 61



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Keys

1 – C	11 – C
2 – C	12 – C
3 – B	13 – C
4 – D	14 – B
5 – A	15 – D
6 – C	16 – B
7 – C	17 – B
8 – C	18 – B
9 – A	
10 – C	



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