

1. David obtained 76, 65, 82, 67 and 85 (out of 100) in English, Maths, Physics, chemistry and Biology. What are his average marks?

- (A) 65    (B) 69    (C) 72    (D) 75
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2. The average of first five multiples of 3 is:

- (A) 3    (B) 9    (C) 12    (D) 15
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3. The sum of 3 consecutive odd numbers is 38 more than the average of these numbers. What is the first of these numbers?

- (A) 13    (B) 17    (C) 19    (D) data inadequate
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4. 16 children are to be divided into two groups A and B of 10 and 6 children. The average percent marks obtained by the children of group A is 75 and the average percent marks of all the 16 children is 76. What is the average percent marks of children of group B ?

- (A)  $\frac{77}{3}$     (B)  $\frac{79}{3}$     (C)  $\frac{78}{3}$     (D)  $\frac{76}{3}$
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5. A pupil's marks were wrongly entered as 83 instead of 63. Due to that the average marks for the class got increased by half. The number of pupils in the class is:

- (A) 10    (B) 20    (C) 40    (D) 73
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6. The mean of 5 observations is 60, the mean of 10 observations is 30 and the mean of 15 observations is 20. The mean of all the 30 observations is?

- (A) 20    (B) 25    (C) 30    (D) 40
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7. The average of marks of 13 papers is 40. The average of marks of the first 7 papers is 42 and that of the last 7 papers is 35. What are the marks of the seventh paper?

- (A) 19    (B) 18    (C) 17    (D) 16
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8. The average of 5 numbers is 27. If one number is excluded, the average becomes 25. The excluded number is:

- (A) 25    (B) 27    (C) 30    (D) 35
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9. The average of five consecutive odd numbers is 95. What is the fourth number in the descending order?

- (A) 91    (B) 95    (C) 97    (D) 99
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10. The average of 11 players of a cricket team is decreased by 2 months when two of them aged 17 years and 20 years are replaced by two new players. The average age of the new players is

- (A) 17 years 1 month    (B) 17 years 7 months    (C) 17 years 11 months    (D) 18 years 3 months
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11. The average of 6 numbers is 7. The average of 3 numbers of them is 5. What will be the average of remaining numbers?

- (A) 15    (B) 30    (C) 9    (D) 42
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12. John had an average score of 85 in three tests. What was John's lowest score?  
I. John's highest score was 95.  
II. Average of John's two highest scores was 92.

- (A) If the data in statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question    (B) If the data in statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question    (C) If the data either in Statement I or in Statement II alone are sufficient to answer the question    (D) If the data even in both Statements I and II together are not sufficient to answer the question
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13. Average score of a class of 60 students, in an exam was 43. Average score of the students who had passed is 52 and the average score of students who had failed is 16. How many failed the exam?

- (A) 25    (B) 20    (C) 15    (D) 18
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14. While calculating the average of a batsman as 36 in 100 matches that he played, one of the scores 90 was incorrectly noted as 40. The percentage error is

- (A) 0.5%    (B) 1.21%    (C) 1.34%    (D) 1.36%
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15. What is the average monthly income per family member? I. Each male earns Rs.1250 a month and each female earns Rs.1050 a month. II. Ratio of males to females in the family is 2:1

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16. Average of a,b and c is 11; average of c,d and e is 17; average of e and f is 22 and average of e and c is 17. Find out the average of a,b,c,d,e and f.

- (A)  $15\frac{2}{3}$     (B)  $18\frac{1}{2}$     (C)  $16\frac{1}{2}$     (D) none of these
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17. What is the average weight of girls in the class? I. Average weight of all the 60 students is 42 kg II. Average weight of boys is 43 kg III. Total weight of all girls together is 1144 kg

- (A) I and II    (B) II and III    (C) All I, II and III    (D) Any two of the three
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18. Is the average of the largest and the smallest of four given numbers greater than the average of the four numbers? I. The difference between the largest and the second largest numbers is less than the difference between the second largest and the second smallest numbers. II. The differences between the largest and the second largest numbers is greater than the difference between the second smallest and the smallest numbers. III. The difference between the largest and the second smallest numbers is greater than the difference between the second largest and the smallest numbers.

- (A) I    (B) Either II or III    (C) I and either II or III    (D) Any two of them.
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19. The average age of students of a class is 15.8 years. The average age of boys in the class is 16.4 years and that of the girls is 15.4 years. The ratio of the number of boys to the number of girls in the class is

- (A) 1:2    (B) 2:3    (C) 3:4    (D) 3:5
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20. When 15 is included in a list of natural numbers, their mean is increased by 2. When 1 is included in this new list, the mean of the numbers in the new list is decreased by 1. How many numbers were there in the original list?

- (A) 4    (B) 5    (C) 6    (D) 8
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