



Consecutive numbers

From 1st and last no

1) Average of first five odd multiples of 3 is

- a) 21 b) 15
c) 16 d) 12

2) The average of four consecutive even numbers is 15. The 2nd highest number is

- a) 16 b) 14
c) 18 d) 12

3) The average of the first 100 positive integers is

- a) 49.5 b) 50.5
c) 51 d) 100

4) The average of nine consecutive odd numbers is 53. The least odd number is

- a) 45 b) 35
c) 27 d) 22

5) The average of four consecutive even numbers is 9. Find the largest number.

- a) 10 b) 8
c) 6 d) 12

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

Error Calculation

1) The average of six numbers is 20. If one number is removed, the average becomes 15. What is the number removed?

- a) 35 b) 5
c) 45 d) 112

2) A tabulator while calculating the average marks of 100 students of an examination, by mistake enters 68, instead of 86 and obtained the average as 58; the actual average marks of those students is?

- a) 57.82 b) 58.18
c) 57.28 d) 58.81

3) The average of 10 items was found to be 80 but while calculating, one of the items was counted as 60 instead of 50. Then the correct average would have been :

- a) 79.25 b) 69
c) 79.5 d) 79

4) The mean of 20 items is 47. Later it is found that the item 62 is wrongly written as 26. Find the correct mean.

- a) 47.7 b) 48.8
c) 46.6 d) 49.9

5) The average of 18 observations is recorded as 124. Later it was found that two observations with values 64 and 28 were entered wrongly as 46 and 82. Find the correct average of the 18 observations.

- a) 122 b) 111 7/9
c) 137 3/9 d) 123

Excluded numbers

1) A student finds the average of 10, 2 – digit numbers. If the digits of one of the numbers is interchanged, the average increases by 3.6. The difference between the digits of the 2-digit numbers is

- a) 3 b) 2
c) 4 d) 5

2) In a class, the average score of girls in an examination is 73 and that of boys is 71. The average score for the whole class is 71.8. Find the percentage of girls.

- a) 50% b) 55%
c) 40% d) 60%





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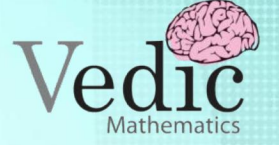
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3) Average weight of 25 students of a class is 50 kg. If the weight of the class teacher is included, the average is increased by 1 kg. The weight of the teacher is

- a) 77 kg b) 74 kg
c) 76 kg d) 75 kg

4) The average of five numbers is 7. When three new numbers are included, the average of the eight numbers becomes 8.5. The average of the three new numbers is?

- a) 10.5 b) 11
c) 9 d) 11.5

5) The average weight of 40 children of a class is 36.2 kg. When three more children with weight 42.3 kg, 39.7 kg and 39.5 kg join the class, the average weight of the 43 children in the class is?

- a) 36.5 kg b) 38.35 kg
c) 39.2 kg d) 37.3 kg

2) The average age of 24 boys and their teacher is 15 years. When the teacher's age is excluded, the average age decreases by 1 year. The age of the teacher is?

- a) 39 years b) 38 years
c) 41 years d) 40 years

3) The average age of A and B is 20 years. If A is to be replaced by C, the average would be 19 years. The average age of C and A is 21 years. The ages of A, B and C in order (in years) are?

- a) 18, 20, 22 b) 18, 22, 20
c) 22, 20, 18 d) 22, 18, 20

4) The average age of a husband and his wife was 23 years at the beginning of their marriage. After five years they have a one-year old child. The average age of the family of three, when the child was born, was?

- a) 24 years b) 23 years
c) 20 years d) 18 years

Ages and Weight

1) The average age of 11 players of a cricket team is increased by 2 months when two of them aged 18 years and 20 years are replaced by two new players. The average age of the new players is?

- a) 19 years 6 months
b) 19 years 1 month
c) 19 years 5 months
d) 19 years 11 months

5) 5 years ago, the average age of P and Q was 15 years. Average age of P, Q and R today is 20 years. How old will R be after 10 years?

- a) 40 years b) 35 years
c) 50 years d) 30 years





Monthly Income

1) The average monthly income of P and Q is Rs.5, 050. The average monthly income of Q and R is Rs.6, 250 and the average monthly income of P and R is Rs.5,200. The monthly income of P is?

- a) Rs.5,000 b) Rs.4,050
c) Rs.4,000 d) Rs.3,500

2) A man spends in 8 months as much as he earns in 6 months. He saves Rs. 6000 in a year. His average monthly income is ?

- a) Rs. 1800 b) Rs. 2150
c) Rs. 2000 d) Rs. 2400

3) The average salary of all the associates in a team is Rs. 16000. The average salary of 7 senior associates is Rs. 24000 and the average salary of the rest is Rs. 12000. How many associates work in that team?

- a) 24 b) 23
c) 22 d) 21

4) The average salary of all the workers in a workshop is Rs.8,000. The average salary of 7 technicians is Rs.12,000 and the average salary of the rest is Rs.6,000. The total number of workers in the workshop is?

- a) 23 b) 22

c) 21

d) 20

Cricket and Exam

1) A batsman in his 12th innings makes a score of 120, and thereby increases his average by 5. The average score after 12th innings is

- a) 55 b) 70
c) 60 d) 65

2) Average runs scored by 11 players of a cricket team is 23. If the first player scored 113 runs. Find the average runs of the remaining players.

- a) 12 runs b) 27 runs
c) 8 runs d) 14 runs

3) The batting average of a cricket player for 64 innings is 62 runs. His highest score exceeds his lowest score by 180 runs. Excluding these two innings, the average of remaining innings becomes 60 runs. His highest score was

- a) 209 runs b) 214 runs
c) 180 runs d) 212 runs

4) The average of runs of a cricket player of 20 innings was 32. How many runs must he make in his next innings so as to increase his average of runs by 4?





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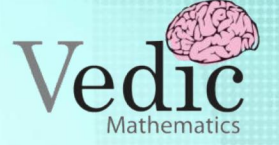
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- a) 114 b) 76
c) 116 d) 170

5) The batting average for 30 innings of a cricket player is 40 runs. His highest score exceeds his lowest score by 100 runs. If these two innings are not included, the average of the remaining 28 innings is 38 runs. The lowest score of the player is:

- a) 18 b) 12
c) 15 d) 20

4) The average monthly expenditure of a family is Rs.2,200 during first three months, Rs.2,550 during next four months and Rs.3,120 during last five months of the year. If the total savings during the year was Rs.1,260, what is the average monthly income ?

- a) Rs.2,805 b) Rs.2,850
c) Rs.1,280 d) Rs.1,260

5) There are two groups A and B of a class, consisting of 42 and 28 students respectively. If the average weight of group A is 25 kg and that of group B is 40 kg, find the average weight of the whole class.

- a) 70 kg b) 30 kg
c) 31 kg d) 69 kg

Average

1) Six friends have an average height of 167 cms. A boy with a height of 162 cm leaves the group. Find the new average height.

- a) 169 cm b) 167 cm
c) 166 cm d) 168 cm

2) The average weight of 15 oarsmen in a boat is increased by 1.6 kg when one of the crew, who weighs 42 kg is replaced by a new man. Find the weight of the new man (in kg).

- a) 66 b) 43
c) 65 d) 67

3) Six tables and twelve chairs were bought for Rs.7,800. If the average price of a table is Rs.750, then the average price of a chair would be?

- a) Rs.150 b) Rs.175
c) Rs.275 d) Rs.250

Twice, Thrice One third Etc.

1) The average of three numbers is 28, the first number is half of the second, the third number is twice the second, then the third number is?

- a) 24 b) 18
c) 48 d) 36

2) Of the three numbers, the first is twice the second and the second is thrice the third. If the average of the three numbers is 10, the largest number is :

- a) 18 b) 30
c) 12 d) 15





3) Of the three numbers whose average is 60, the first is one fourth of the sum of the others. The first number is :

- a) 42 b) 45
c) 30 d) 36

4) Among three numbers, the first is twice the second and thrice the third. If the average of the three numbers is 49.5, then the difference between the first and the third number is

- a) 39.5 b) 41.5
c) 54 d) 28

5) Of the three numbers, the first is twice the second and the second is 3 times the third. If their average is 100, the largest of the three numbers is:

- a) 180 b) 300
c) 120 d) 150

