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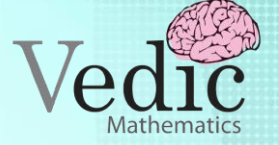
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1) The average of six numbers is 20. If one number is removed, the average becomes 15. What is the number removed ?

- 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) $111\frac{7}{9}$
c) $137\frac{3}{9}$ d) 123

6) The average of seven numbers is 18. If one of the number is 17 and if it is replaced by 31, then the average becomes :

- a) 19.5 b) 21.5 c) 21 d) 20

7) Mean of 10 numbers is 30. Later on it was observed that numbers 15, 23 are wrongly taken as 51, 32. The correct mean is

- a) 32 b) 25.5 c) 34.5 d) 30

8) The mean value of 20 observations was found to be 75, but later on it was detected that 97 was misread as 79. Find the correct mean.

- a) 75.8 b) 75.7 c) 75.6 d) 75.9

9) There are 50 students in a class. One of them weighing 50 kg goes away and a new student joins. By this the average weight of the class increases by $\frac{1}{2}$ kg.

The weight of the new student is :

- a) 72 kg b) 70 kg
c) 76 kg d) 75 kg

10) The average weight of 20 students in a class is increased by 0.75 kg when one of the students weighing 30 kg is replaced by a new student. Weight of the new student (in kg) is :

- a) 40 b) 35 c) 50 d) 45

11) The average of 50 numbers is 38. If two numbers, namely 45 and 55 are discarded, the average of the remaining numbers is

- a) 37.9 b) 37.5 c) 37.0 d) 36.5

12) The average of 9 observations was found to be 35. Later on, it was detected that an observation 81 was misread as 18. The correct average of the observations is :

- a) 42 b) 28 c) 45 d) 32

13) The average of 25 observations is 13. It was later found that an observation 73 was wrongly entered as 48. The new average is

- a) 14 b) 12.6 c) 13.8 d) 15

14) In an exam, the average marks obtained by the students was found to be 60. After omission of computational errors, the average marks of 100 candidates had to be changed from 60 to 30 and the average with respect to all the examinees came down to 45 marks. The total number of candidates who took the exam, was





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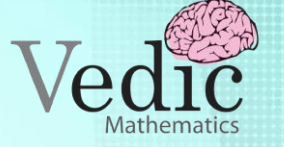
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a) 210 b) 200 c) 180 d) 240

15) The average of 20 numbers is calculated as 35. It is discovered later, that while calculating the average, one number, namely 85, was read as 45. The correct average is

a) 37 b) 36.5 c) 36 d) 37.5

16) A student, by mistake, wrote 64 in place of 46 as a number at the time of finding the average of 10 given numbers and got the average as 50. The correct average of the numbers is :

a) 48 b) 48.2 c) 49 d) 48.1

17) In an examination, the average of marks was found to be 50. For deducting marks for computational errors, the marks of 100 candidates had to be changed from 90 to 60 each and so the average of marks came down to 45. The total number of candidates, who appeared at the examination, was

a) 300 b) 600 c) 150 d) 200

18) The average marks obtained by 22 candidates in an examination are 45. The average marks of the first 10 candidates are 55 and those of the last eleven are 40. The number of marks obtained by the eleventh candidate is

a) 0 b) 45 c) 47.5 d) 50

19) The average marks of 100 students were found to be 40. Later on it was discovered that a score of 53 was misread as 83. Find the correct average corresponding to the correct score.

a) 39 b) 38.7 c) 41 d) 39.7

20) The average weight of a group of 20 boys was calculated to be 89.4 kg and it was later discovered that one weight was misread as 78 kg. instead of 87kg. The correct average weight is

a) 89.25 kg b) 88.95 kg
c) 89.85 kg d) 89.55 kg

21) The average weight of 15 students in a class increases by 1.5kg when one of the students weighing 40 kg is replaced by a new student. What is the weight (in kg) of the new student ?

a) 56 kg. b) 64.5 kg.
c) 62.5 kg. d) 60 kg.

22) The average weight of three men A, B and C is 84 kg. D joins them and the average weight of the four becomes 80 kg. If E whose weight is 3 kg more than that of D, replaces A, the average weight of B, C, D and E becomes 79 kg. The weight of A is

a) 70 kg. b) 65 kg.
c) 80 kg. d) 75 kg.

23) A student finds the average of ten 2-digit numbers. While copying numbers, by mistake, he writes one number with its digits interchanged. As a result his answer is 1.8 less than the correct answer. The difference of the digits of the number, in which he made mistake, is

a) 3 b) 2 c) 6 d) 4

24) The average of 10 numbers is calculated as 15. It is discovered later on that while calculating the average one number, namely 36, was wrongly read as 26. The correct average is

a) 18 b) 20 c) 14 d) 16

25) The average of a collection of 20 measurements was calculated to be 56 cm. But later it was found that a mistake had occurred in one of the measurements which was recorded as 64 cm., but should have been 61 cm. The correct average must be

a) 54.5 cm b) 53 cm
c) 56.15 cm d) 55.85 cm

26) The average of marks in Mathematics for 5 students was found to be 50. Later, it was discovered





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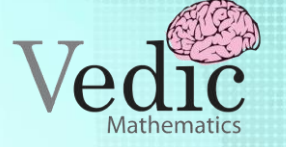
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that in the case of one student the marks 48 were misread as 84. The correct average is :

- a) 40.8 b) 40.2 c) 48.2 d) 42.8

27) The average weight of 12 crewmen in a boat is increased by $\frac{1}{3}$ kg, when one of the crewmen whose weight is 55kg is replaced by a new man. What is the weight of that new man?

- a) 60 kg b) 58 kg
c) 59 kg d) 57 kg

28) The average marks secured by 36 students was 52. But it was discovered that an item 64 was misread as 46. What is the correct mean of marks ?

- a) 53.5 b) 54 c) 52.5 d) 53

29) The average of 9 integers is found to be 11. But after the calculation, it was detected that, by mistake, the integer 23 was copied as 32, while calculating the average. After the due correction is made, the new average will be

- a) 9 b) 10 c) 9.5 d) 10.1

30) Average weight of 25 persons is increased by 1 kg when one man weighing 60 kg is replaced by a new person. Weight of new person is :

- a) 61 kg b) 50 kg
c) 85 kg d) 86 kg

31) The average marks obtained by 40 students of a class is 86. If the 5 highest marks are removed, the average reduces by one mark. The average marks of the top 5 students is

- a) 96 b) 92 c) 97 d) 93

32) The mean of 50 observations was 36. It was found later that an observation 48 was wrongly taken as 23. The corrected (new) mean is

- a) 36.1 b) 35.2 c) 39.1 d) 36.5

33) The average of 27 numbers is 60. If one number is changed from 28 to 82, the average is

- a) 58 b) 56 c) 64 d) 62

34) The mean of 20 items is 55. If two items 45 and 30 are removed, the new mean of the remaining items is

- a) 65.3 b) 65.1 c) 56 d) 56.9

35) A boy found that the average of 20 numbers is 35 when he writes a number '61' instead of '16'. The correct average of 20 numbers is

- a) 37.25 b) 32.75
c) 34.25 d) 34.75

36) The average weight of the 8 oarsmen in boat is increased by $1\frac{1}{2}$ kg when one of the crew who weighs 60kg is replaced by a new man. The weight of the new man (in kg) is

- a) 68 kg b) 70 kg
c) 72 kg d) 71 kg

37) The mean of 100 items was 46. Later on it was discovered that an item 16 was misread as 61 and another item 43 was misread as 34. It was also found that the number of items were 90 and not 100. Then what is the correct mean?

- a) 50.7 b) 50 c) 52.7 d) 52

38) The average of marks of 14 student was calculated as 71. But it was later found that the marks of one student had been wrongly entered as 42 instead of 56 and of another as 74 instead of 32. The correct average is :

- a) 68 b) 67 c) 71 d) 69

39) The mean of 50 numbers is 30. Later it was discovered that two entries were wrongly entered as 82 and 13 instead of 28 and 31. Find the correct mean.

- a) 30.66 b) 36.12
c) 38.21 d) 29.28





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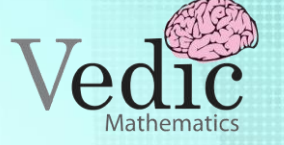
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40) The average of 100 items was found to be 30. If at the time of calculation, two items were wrongly taken as 32 and 12 instead of 23 and 11, then the correct average is :

- a) 29 b) 29.8 c) 29.5 d) 29.9

41) The average marks obtained by a student in 6 subjects is 88. On subsequent verification it was found that the marks obtained by him in a subject was wrongly copied as 86 instead of 68. The correct average of the marks obtained by him is

- a) 85 b) 87 c) 86 d) 84

42) While finding the average of 10 given numbers, a student, by mistake, wrote 64 in place of a number 46 and got his correct average 50. The correct average of the given numbers is :

- a) 48.3 b) 48.2
c) 49.3 d) 49.1

