



Grade Eight

Changes in Mean Word Problems

Helen took four tests, for which her mean score was 26. Later on, it was found that her score in the English test was wrongly recorded as 51 instead of 15. What was the corrected mean score?

The weights of 11 swimmers in the team were recorded by the coach and the average weight was 86 pounds. Three swimmers whose weights were 88 pounds, 79 pounds, and 83 pounds left the team. What was the new average?

 pounds

The mean of a set of 18 numbers is 32. If two more numbers 34 and 30 are added to the set, what is the new mean?

The mean of 40 numbers is 96. It is later discovered that two numbers are misread as 43 and 60 instead of 63 and 80. Determine the corrected average.

The mean of a set of 25 numbers is 87. If each number is multiplied by 8, what is the new mean?



The mean of a set of 15 numbers is 76. If the number 48 is removed from the set, find the new mean.

Luke and his five friends played a round of golf. The mean score was 70. Later, it was found that the score of Ryan, one of the players, was wrongly marked as 52 instead of 70. What was the corrected mean?

Brian's average score in 8 math tests was 56. If later each of the scores went up by 7, what was the new average score?

There were 6 trees in Warren's backyard. He measured their heights and found their mean height was 16 feet. Later, it was found that he had noted down the height of the smallest tree in his yard as 12 feet instead of 6 feet. Find the new mean height of the trees.

 feet

Trevor mows the lawns in the neighborhood. The mean of his earnings from three houses is \$98. What is the new mean if he earns \$22 from a fourth house?

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