Copy down the first 5 biology test Scores Bob received.

a. What test score must Bob earn on his sixth test so that his mean score (average) for all six tests will be 80?

b. Is it possible for Bob to earn an 85 test average if he does really well on his final test? Explain why or why not?

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**Multiple Choice**
Alex earned scores of 60, 74, 82, 87, 87, and 94 on his first six algebra tests. What is the relationship between the measures of central tendency of these scores?

**Mean =** **Mode =** **Median =**

(1) median < mode < mean

(2) mean < mode < median

(3) mode < median < mean

(4) mean < median < mode

# Mean, Median, Mode, and Range Part 2

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Copy down the first 5 biology test Scores Bob received.

72, 86, 92, 63, 77

a. What test score must Bob earn on his sixth test so that his mean score (average) for all six tests will be 80?

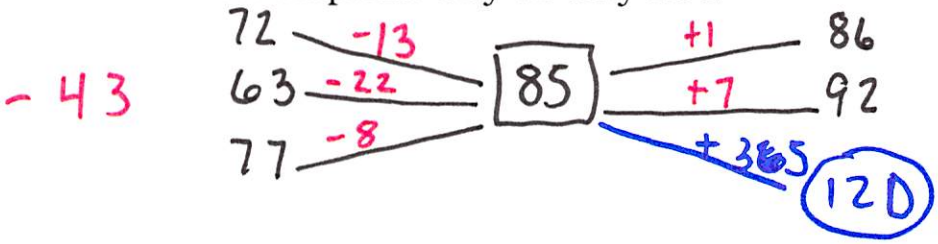
$$\frac{72+86+92+63+77+x}{6} = 80$$

$$\frac{390+x}{6} = 80 \quad (\times 6)$$

$$390 + x = 480 \quad (-390)$$

$$x = 90$$

b. Is it possible for Bill to earn an 85 test average if he does really well on his final test? Explain why or why not?




No because it is impossible for Bob to get a 120 & The highest test grade Bob can get is 100.

**Multiple Choice**

Alex earned scores of 60, 74, 82, 87, 87, and 94 on his first six algebra tests. What is the relationship between the measures of central tendency of these scores?

**Mean =** 80.7 **Mode =** 87 **Median =** 84.5

(1) median < mode < mean

(2) mean < mode < median

(3) mode < median < mean

(4) mean < median < mode

# Mean, Median, Mode, and Range Part 2