

Unit 4 Test Scores: 96, 96, 96, 94, 94, 94, 50

Calculate the following statistics without removing the outlier. Calculate the reasonable range and find the same stats again after removing any outliers.

	With Outlier	Without Outlier
Mean:	_____	_____
Median:	_____	_____
Mode:	_____	_____
IQR:	_____	_____
Variance:	_____	_____
Stand. Dev.	_____	_____

Which of the 2 sets of statistics seem fair? Discuss why.

Discuss what each set of statistics is telling you about the data.

Sarah and Lauren play on the same softball team. The bases are loaded, there are 2 outs and the score is tied. Sarah has an average batting percentage of 75% with a standard deviation of 15.5%. Lauren has an average batting percentage of 68% with a standard deviation of 5%. If you were the coach and wanted to make a substitution for strike out Sally, which girl would you put in and why?