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| **Changes to Measures of Central Tendency** | | | |
| Identifies outlier(s) in a data set  Number of baskets scored by a basketball player in 8 games:  7, 5, 6, 14, 6, 4, 6, 3  “The outlier is 14.” | Determine the mean for a data set with the outlier  Order the data:  3, 4, 5, 6, 6, 6, 7, 14  “With the outlier, the mean is 6.375.” | Determines the mean for a data set without the outlier  Remove the outlier:  3, 4, 5, 6, 6, 6, 7  "Without the outlier, the mean is 5.285." | Identifies the effects of an outlier  on the median and mode  3, 4, 5, 6, 6, 6, 7, 14  “The median is 6.  The mode is 6.”  3, 4, 5, 6, 6, 6, 7  “The median is 6.  The mode is 6.  The outlier does not affect the median or mode.” |
| **Observations/Documentation** | | | |
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