

Measures of Center and Spread Summary

Extra Practice

- 1) Write an example of a statistical question.
- 2) Write a non-example of a statistical question.

Matching: Match the following measures of center with the key word to remember what they find.

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|-----------|------------|
| 3) Mean | a) middle |
| 4) Median | b) average |
| 5) Mode | c) most |

Find the mean, median, mode, range and IQR for the following data.

- 6) 5, 12, 8, 16, 12, 19


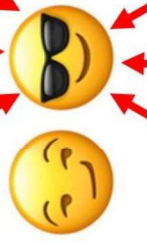


Mean: _____ Median: _____
 Mode: _____ Range: _____
 IQR: _____

- 7) 5, 7, 5, 9, 6, 5, 5, 8, 4

Mean: _____ Median: _____
 Mode: _____ Range: _____
 IQR: _____

- 8) 38, 42, 36, 17, 38, 21, 24, 38

Mean: _____ Median: _____
 Mode: _____ Range: _____
 IQR: _____

| | |
|--|---|
| <h1>Mean</h1>  <p>The MEAN is the average of a set of numbers. You find it by finding the sum of a set of numbers and dividing by the number of numbers in the set.</p> | <h1>MEDIAN</h1>  <p>The MEDIAN is the middle of a set of numbers. You find it by putting your data in order and finding the one in the middle.</p> <p><small>If there are two, you average the two middle numbers.</small></p> |
| <p>The MODE is the number that occurs most in a set of numbers. You only have a mode if one or more numbers are repeated in a data set.</p>  <h1>MODE</h1> | <p>The RANGE is the difference between the biggest (maximum value) and the smallest (minimum value) of numbers in a data set.</p>  <h1>RANGE</h1> |