
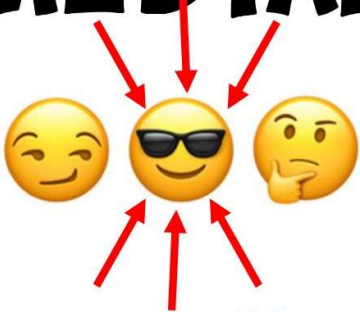




# Measures of Center and Spread Summary

<h2>Mean</h2>  <p>The <b>MEAN</b> is the <b>average</b> 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>	<h2>MEDIAN</h2>  <p>The <b>MEDIAN</b> is the <b>middle</b> of a set of numbers. You find it by putting your data in order and finding the one in the middle. <small>If there are two, you average the two middle numbers.</small></p>
<p>The <b>MODE</b> is the number that occurs <b>most</b> in a set of numbers. You only have a mode if one or more numbers are repeated in a data set.</p>  <h2>MODE</h2>	<p>The <b>RANGE</b> is the <b>difference</b> between the biggest (maximum value) and the smallest (minimum value) of numbers in a data set.</p>  <h2>RANGE</h2>

# Extra Practice

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

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

- |           |   |            |
|-----------|---|------------|
| 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: **41**

Median: **12**

Mode: **12**

Range: **14**

IQR: **8**

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

Mean: **6**

Median: **5**

Mode: **5**

Range: **5**

IQR: **2.5**

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

Mean: **31.75**

Median: **37**

Mode: **38**

Range: **25**

IQR: **15.5**