

Changing Topics...

“DATA ANALYSIS”

“CENTER”

I can define and calculate the three measures of center.
I can determine which measure of center best represents the data.

Grab a calculator and discuss with your shoulder partner.

What is the question?

13, 13, 15, 16, 17, 18, 18, 18, 34

Answer: 17

I can define and calculate the three measures of center.
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What is the question?

13, 13, 15, 16, 17, 18, 18, 18, 34

Answer: 21

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What is the question?

13, 13, 15, 16, 17, 18, 18, 18, 34

Answer: 18

I can define and calculate the three measures of center.
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What is the question?

13, 13, 15, 16, 17, 18, 18, 18, 34

Answer: 34

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Measures of Center: Which best represents the data?

Mean is preferred...

- most often
- when an average is desired

Median is preferred...

- when you know that a distribution is skewed
- when there is an outlier
- when you have a small number of subjects

Mode is preferred...

- rarely
- when describing discrete categorical data

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Think-Pair-Share:

Which measure of center would you use to BEST represent the data?

Middle School Student Ages

15, 11, 12, 12, 14, 11, 13, 10, 12, 15, 13, 13, 14, 15, 12, 14

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Think-Pair-Share:

Which measure of center would you use to BEST represent the data?

Test Scores

88, 94, 90, 88, 94, 94, 88, 24

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Exit Slip

1.) Which measure of center for the following data set has the largest value?

13, 18, 18, 18, 19, 25, 28, 33, 33, 35

2.) The mean of a data set of 4 numbers is 5. The mean of a different data set of 10 numbers is 12. What is the mean of the combined data sets?