

UNIT 7 - LESSON PLANS

Class Math 6 Topic The Mean and Mean Absolute Deviation Lesson 4 Of 8

Objective

Students will:

- Define mean, variability and mean absolute deviation.
- Describe the center of distribution by interpreting the mean as “fair share” and as a “balancing point”.
- Calculate the mean of a given set of data.
- Compare data sets with the same mean but different variability.
- Calculate the mean absolute deviation of a given set of data.
- Describe the center and variability of a distribution using the mean absolute deviation.

“I Can” Statement

I can define mean, variability and mean absolute deviation.

I can interpret the mean using different methods.

I can calculate the mean and mean absolute deviation.

Given two different sets of data, I can decide which one has a mean that is a good indicator of a typical value by looking into the variability of the data.

I can describe center and variability of a distribution using the mean absolute deviation.

Common Core Standards

[CCSS.MATH.CONTENT.6.SP.A.2](#)

Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.

[CCSS.MATH.CONTENT.6.SP.A.3](#)

Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.

[CCSS.MATH.CONTENT.6.SP.B.5.C](#)

Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.

Bell Work

See Bell Work 7-4

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.

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4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

Assessment

Bell Work 7-4
Assignment 7-4
Exit Quiz 7-4

Additional Resources

See Online Activities