

Lesson 31: Comparison of Measures of Center and Variability

Homework

Name _____ **Date** _____

Directions: Answer the following questions about the data sets. Round all values to the nearest tenth.

Number of Minutes Read in Class – Set 1: 15, 5, 12, 14, 33, 17, 12, 14, 13

Number of Minutes Read in Class – Set 2: 6, 10, 12, 10, 9, 12, 10, 19, 9

1. Data for Set 1 in order from least to greatest:

2. Data for Set 2 in order from least to greatest:

3. Set 1

Range	Median	Mean

4. Set 1

Value									
Absolute Deviation from Mean									

5. Set 2

Range	Median	Mean

Variability (Mean Absolute Deviation)

6. Set 2

Value									
Absolute Deviation from Mean									

Variability (Mean Absolute Deviation)

7. What is the difference in the medians?

8. What conclusions can you make about the mean number of minutes read for both sets?

9. What conclusions can you make about the mean absolute deviation?

10. How do the mean and the mean absolute deviation compare?