Name \_

# Measures of Central Tendency: Mean, Median, Mode & Range



Name \_\_\_\_\_

You Try! Find the mean, median, mode and range for the following data set.

1) 5, 9, 6, 6, 11, 8, 4	Mean:
	Median:
	Mode:
	Range:
2) 1, 3, 5, 2, 4, 8, 4, 7, 2	Mean:
	Median:
	Mode:
	Range:
3) 1, 9, 4, 7, 5, 3, 16, 11	Mean:
	Median:
	Mode:
	Range:
4) 3, 4, 4, 4, 4, 3, 6	Mean:
	Median:
	Mode:
	Range:
5) 3, 7, 2, 5, 5, 6, 5, 10, 11, 5	Mean:
	Median:
	Mode:
	Range:

## (9.4) Best Measure to Use Notes.notebook

## Choosing the best measure of central tendency

For any data set, you can perform the analysis to come up with a value for each average. However, here are a few basic guidelines to help you choose the most appropriate form of central tendency to describe your data.

1. For a normal, random distribution of data (evenly distributed), the \_\_\_\_\_\_is preferred.

2. For a skewed data set, a \_\_\_\_\_\_is more appropriate than a mean. The skewed data set (i.e. extreme data points) will cause the mean value to be much more extreme than the median, and therefore less central.

3. The \_\_\_\_\_\_can be used for non-numerical data, for example, most common car in a parking lot.

Let's try!

1. Donations were collected for the sports fund. Mr. Wilson was able to collect 7 donations in the amounts of: \$106, \$100, \$10, \$20, \$54, \$165, \$184, and \$200. Which measure of central tendency would be best?

 As a basketball player for her school's varsity team, Rylee scored the following points in her last 8 games: 16 points, 12 points, 12 points, 18 points, 14 points, 21 points, 23 points, and 21 points. Which measure of central tendency would be best?

### (9.4) Best Measure to Use Notes.notebook

 Coach Bass was looking to order new jerseys for his baseball team. His players sizes are S, M, M, L, L, M, XL, L, XL, M, and L. Which measure of central tendency would be best?

#### Table A

Number of Days for Seeds to Germinate						
15	20	30	15	16		
9	21	21	15			

1. Refer to Table A. You are doing some experiments with germinating seeds. You are preparing a report on your findings to a seed company. What are the mean, median, and mode of the data?

Excercise 1: Find the Mean, Median, & Mode for Table B

Height (in.) of Plants After 60 Days						
17	19	13	17	20		
15	17	21	14			

2. Use your answer from Exercise 1. Which measure of central tendency best describes the data? Explain.