- <u>CCSS</u>: 6.NS.2 and 6.SP.5.C
- Learning Objective: Mean, Median, Mode, and Range

## Academic Vocabulary:

- Mean
- Median
- Mode
- Range

## Examples:

1. Mean	2. Median
Data Set = 2, 5, 8, 3, 5, 4 Number of Elements in Data Set = 6 $(2+5+8+3+5+4) \div 6$ $27 \div 6$ $4.5$ The mean is 4.5 for the data set.	Odd Number of Elements  Data Set = 2, 3, 9, 3, 5, 4, 7  Reordered = 2, 3, 3, 4, 5, 7, 9  Median = 4  Even Number of Elements  Data Set = 2, 5, 9, 3, 5, 4  Reordered = 2, 3, 4, 5, 5, 9  Median = (4 + 5) ÷ 2 = 4.5
3. Mode	4. Range
Data Set = <b>2</b> , 5, <b>2</b> , 5, <b>2</b> , 4, 7 Modes = 2	Data Set = 2, 5, 13, 3, 7, 5, 4, 7 Reordered = 2, 3, 4, 5, 5, 7, 7, 13 Range = (13 - 2) = 11

1. Mean	2. Median
Step 1: Find the sum of the data set.	Step 1: Put #'s in order from least to greatest.
Step 2: Count the # of elements in data set.	
Step 3: Divide the sum by the # of	Step 2: Find the number in the middle.
elements.	Step 3: If 2 #'s in middle, find the mean of the 2 #'s.
3. Mode	4. Range
Step 1: The number that occurs the most.	Step 1: Find the largest number.
	Step 2: Find the smallest number.
	Step 3: Subtract the smallest from the largest.

	Practice:
	1. Michael scored 93, 85, 77, 84, 85, 70, 66, and 64 on his test this year. Find his mean, median, mode, and range for his test scores. If you could choose what his final grade will be at the end of the semester by using the mean, median, or mode, what would you choose and justify why?
Justification:	
Justify which method that	
you would want to use to calculate Michael's math	
grade.	