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| **MODULE:** 16 | **LESSON:** 1 | MEASURES OF CENTER |

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| 13 | 23 | 21 | 20 | 21 | 24 | 18 |

***Mean*** – The average of a data set. To find the mean, add up all the numbers in the data set then divide the amount of numbers in the data set.

13 + 23 + 21 + 20 + 21 + 24 + 18 = 140

140 ÷ 7 = 20

**MEAN = 20**

***Median*** – The number in the middle. To find the median, order the numbers from least the greatest. The number in the middle is the median.

13, 18, 20, **21**, 21, 23, 24

**MEDIAN = 21**

*If there are two numbers in the middle, the median is the average of those two.*

***HOW DO YOU KNOW WHICH MEASURE OF CENTER BEST DESCRIBES THE DATA?***

HINTS:

IF THE MEAN AND MEDIAN ARE SIMILAR, THEN THEY BOTH BEST DESCRIBE THE DATA.

IF THE TWO ARE NOT SIMILAR, THERE IS PROBABLY AN OUTLIER WHICH GREATLY AFFECTS THE MEAN. THEREFORE, THE MEDIAN BEST DESCRIBES THE DATA.