Name:_____

Theory: Finding the median

The median refers to the midpoint in a series of numbers. To find the median, arrange the numbers in order form smallest t to largest. <u>If there is an **odd** number of values, the middle value is the media. If there is an **even** number of vales, average of the two middle values is the median.</u>

Example # 1: Find the median of 19,29,36,15 and 20.

In order: 15,19,**20**,29,36 since there are 5 values (odd number) 20 is the median (middle number)

Example # 2: Find the median of 67,28,92,37,81,75.

In order: 28, 37, **67, 75,** 81, 92 since there are 6 value (even number) , we must average those two middle numbers to get the median value, Average (67+ 75)/2 = 142/2 = 71 is the median value.

Part A

1. Record below the 5 sample data points you've chosen

2. Calculate the median of the set of numbers above

3. Calculate the mode of the set of numbers above. How many modes does your data have?

Part B

1. Record below the 10 sample data points you've chosen

2. Calculate the median of the set of numbers above

3. Calculate the mode of the set of numbers above. How many modes does your data have?