

**KEY VOCABULARY**

Measure	What is it?	How do you find it?
mean ( $\bar{X}$ - "x-bar")	The <b>AVERAGE</b> of a set of data	1. Add up your numbers 2. Divide by the number of numbers in the set of data
median	The <b>MIDDLE</b> number in a set of data (you must put the numbers in order from smallest to largest first!)	1. Write the numbers in numerical order 2. Find the middle number (if you have an even number of #'s, average the two middle numbers!)
mode	The number (or value) that occurs the <b>MOST</b> in your set of data (you can have no mode, 1 mode, or more than 1 mode)	1. Write the numbers in numerical order 2. Count how many times each number appears
range	The <b>DIFFERENCE</b> of the highest and lowest numbers (values) in a set of data	Subtract (the largest number minus the smallest number)

Ex. 1 - Find the mean, median, mode and range of the following data set:

17 47 26 41 22 39 22

First, write your data in order from smallest to largest:

**MEAN (average):** add up your numbers and divide by the number of numbers you have

**MEDIAN (middle):**

**MODE (most):**

**RANGE:**

Ex. 2 - Find the mean, median, mode and range of the following data set:

18 52 28 41 18 22 37 22 24 62

Order the data:

Mean (average):

Median (middle): since you have an even number of numbers , you must find the  
**average of the two middle numbers**

the two middle numbers are: \_\_\_\_\_ and \_\_\_\_\_

Mode (most):

Range: