

**Section 7-1:
Mean, Median,
Mode, and Range**

The Mean (aka "average")

The sum (+) of the #'s in a collection of data, divided by the # of data.

ex || 64, + 60, + 64, + 38, + 52, + 65, + 61, + 48

$$452 \div 8 = \textcircled{56.5} \leftarrow \text{Mean}$$

The Median

The middle # or avg of the 2 middle #'s in a collection of data, when the data are ARRANGED IN ORDER.

ex2] ~~64~~, ~~60~~, ~~64~~, ~~38~~, ~~52~~, ~~65~~, ~~61~~, ~~48~~

38, 48, 52, (60, 61), 64, 64, 65

$$\frac{60+61}{2} = (60.5) \leftarrow \text{Median}$$

Mode

The # that occurs the most often in a collection of data (most repeated)

****You can have no mode, 1 mode, or more than one mode.**

****Easier to find mode when data is in order.**

ex 3 | 38, 48, 52, 60, 61, 64, 64, 65
64 is the Mode

Range

The difference (subtract) between the biggest and smallest #'s in a collection of data.

Biggest # - Smallest # = Range

ex 4

38, 48, 52, 60, 61, 64, 64, 65

$$65 - 38 = 27 \leftarrow \text{Range}$$