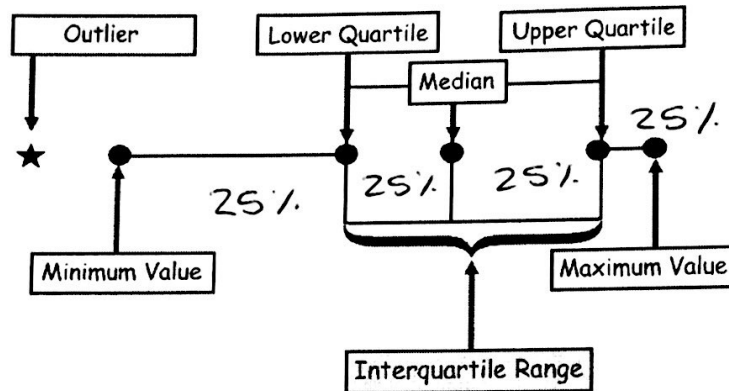


Name _____ 03/03/16

BOX-and-WHISKERS PLOT GRAPHIC ORGANIZER

A Box-and-Whiskers Plot displays the distribution of data items along a number line. Quartiles divided the data into FOUR equal parts.

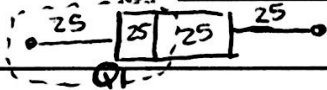


- **Outlier** - a data element that lies outside the normal distribution of the data.

- **Minimum Value** - lowest value, not counting outliers.

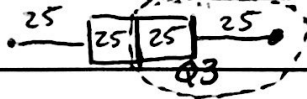
This is the very left side of graph.

- **Lower Quartile - Q_1** - the median of the lower 50% of data



- **Median - Q_2** - after you put data in numerical order, it is the middle number. *if there are two numbers, add together and divide by 2.

- **Upper Quartile - Q_3** - the median of the upper 50% of data



- **Maximum Value** - highest value, not counting outliers.

This is the very right side of graph.

- **Interquartile Range - IQR** - $Q_3 - Q_1 = IQR$