

Key

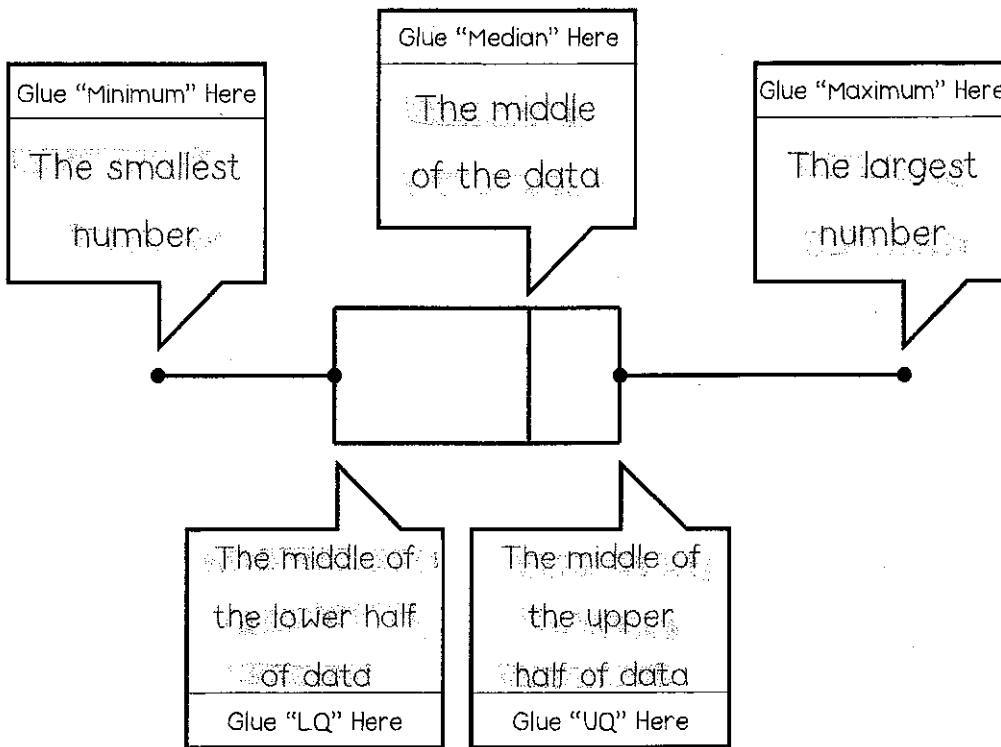
**Statistics and Probability**  
(Box & Whisker Plot)

I can create a box and whisker plot from a given set of data.

**Vocab:**

What is a box and whisker plot?

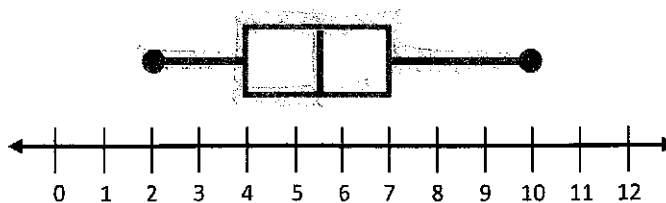
A box and whisker plot is a way to organize data by creating a box to visualize the data.



Create a box and whisker given the data:

10, 7, 6, 2, 5, 4

- 1.) Minimum: 2      Ordered data: 2, 4, 5, 6, 7, 10
- 2.) Lower Quartile: 4
- 3.) Median: 5.5
- 4.) Upper Quartile: 7
- 5.) Maximum: 10



Key

**YOUR TURN**

Statistics and Probability  
(Box & Whisker Plot)

On a rating of 1-5, how comfortable are you with this concept?  
(5 is the highest)

1 2 3 4 5

1.) Determine the minimum, lower quartile, median, upper quartile, and maximum for the following data:

10, 11, 8, 6, 8, 10, 7

Ordered data: 6, 7, 8, 8, 10, 10, 11

Minimum = 6

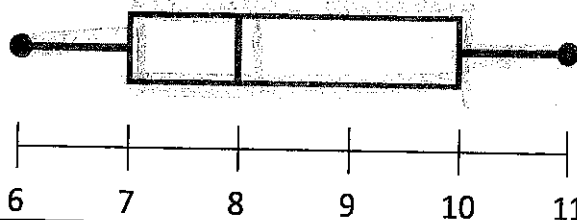
Median = 8

UQ = 10

Maximum = 11

LQ = 7

2.) Construct a box and whisker plot from the data above.



3.) What is the mean, median, mode, and range from the same data?

Mean  $\approx 8.6$

Median = 8

Mode = 8 and 10

Range =  $11 - 6 = 5$

**Reflection: I learned...**