

Name _____ Date _____ Period _____

Making Box & Whisker Plots Homework

6 6 8 11 12 14 15 16 18 20 20 24 26

Median: _____

Upper Quartile: _____ (This is also called the "Third Quartile")
(Remember this is the median of everything above the median)

Lower Quartile: _____ (This is also called the "First Quartile")
(Remember this is the median of everything below the median)

Lower Extreme: _____
(Remember this is the lowest value)

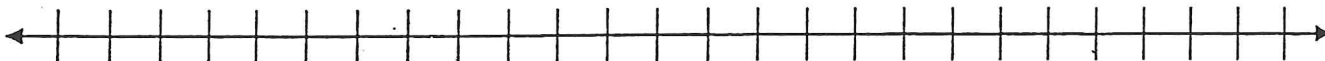
Upper Extreme: _____
(Remember this is the highest value)

Range: _____
(This is just the range of the data – subtract the lowest value from the greatest value)

Interquartile Range: _____
(This is the range of the inner quartiles – subtract the lower quartile from the upper quartile)

Draw a Box & Whisker Plot, using the numberline below.

1. Place vertical lines above the lower quartile, median, and upper quartile.
2. Draw a rectangle, using the vertical lines you drew for lower and upper quartile as the ends of the rectangle. The line you drew for the median will be a line going through the center of the rectangle.
3. Place a point at the lower extreme
4. Place a point at the upper extreme.
5. Draw horizontal lines that connect each extreme to the edge of the rectangle.



17 13 22 15 27 18 21 24 10 20



Median: _____
(Remember to first put the values in order from **least** to **greatest**.)

Upper Quartile: _____ (This is also called the "Third Quartile")
(Remember this is the median of everything above the median)

Lower Quartile: _____ (This is also called the "First Quartile")
(Remember this is the median of everything below the median)

Lower Extreme: _____
(Remember this is the **lowest** value)

Upper Extreme: _____
(Remember this is the **highest** value)

Range: _____
(This is just the range of the data – subtract the lowest value from the greatest value)

Interquartile Range: _____
(This is the range of the inner quartiles – subtract the lower quartile from the upper quartile)

Draw a Box & Whisker Plot, using the numberline below.

