

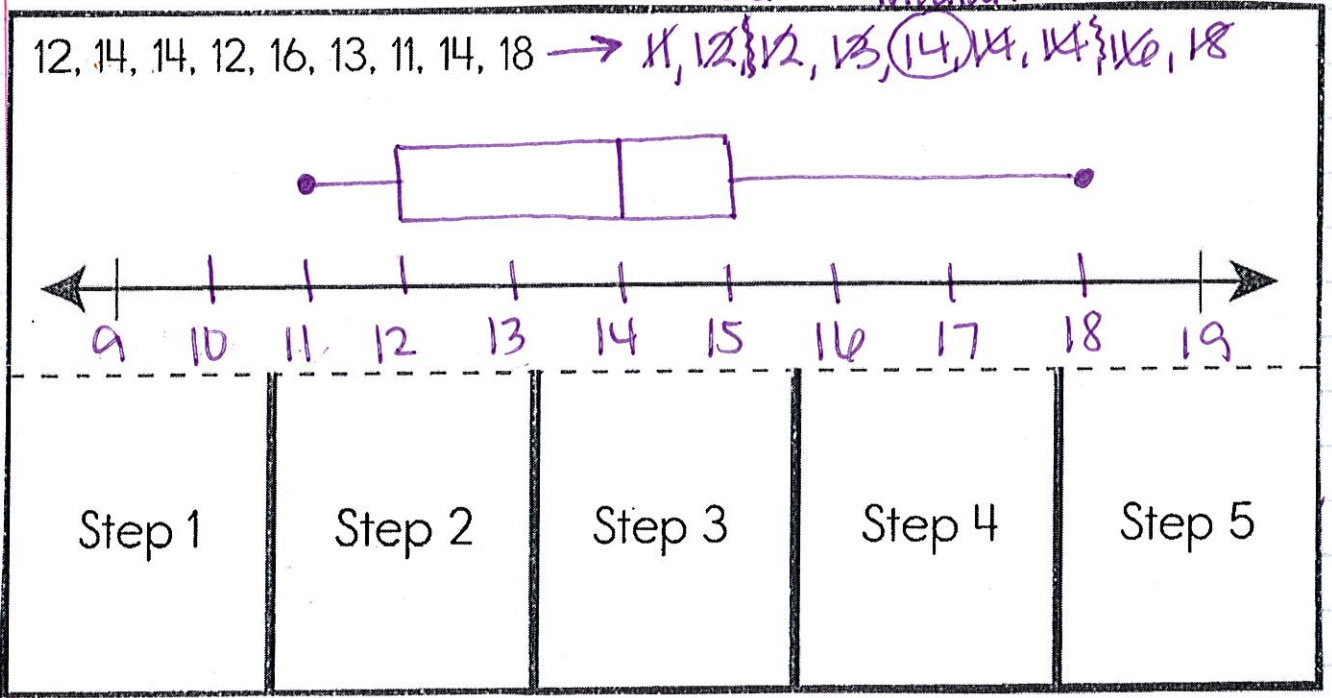
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# BOX PLOTS

**Box Plots** - Type of graph that shows how data is spread out. It clearly shows median, range and outliers.

**Example** :

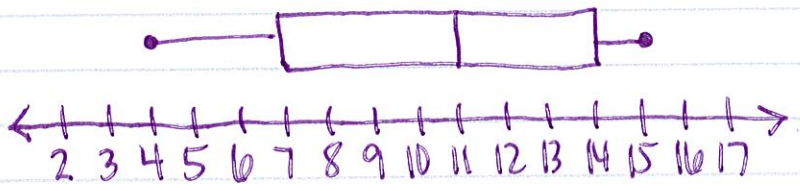
(12) (14) (15)  
LQ Median UQ



Upper Quartile : Middle of upper half of values  
Lower Quartile : Middle of lower half of values.

Homework : Create a Box Plot for the following data set : 11, 6, 15, 8, 11, 13, 15, 4, 12

- steps:
- 1.) 4, 6, 8, 11, 12, 13, 15, 15
  - 2.) Min = 4    Max = 15
  - 3.) Median = 11
  - 4.) UQ = 14    LQ = 7
  - 5.)





# BOX PLOTS

**Box Plots** - Type of graph that shows how data is spread out. It clearly shows median, range and outliers.

**Example**:

(12) (14) (15)  
LQ Median UQ

Put values in order

Plot min. and max on a number line

Find the Median (middle) value

Find the Upper & Lower Quartiles.

Draw lines at median, LQ, UQ and connect to form Box.

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