

# Warm UP - 3/7/17

## ACT Scores of Geometry Classes

23	20	19	21	22	17	21	22	22	20	24
18	17	18	20	22	19	17	22	19	22	27
22	22	21	19	18	19	17	17	21	20	23

Skewed Right

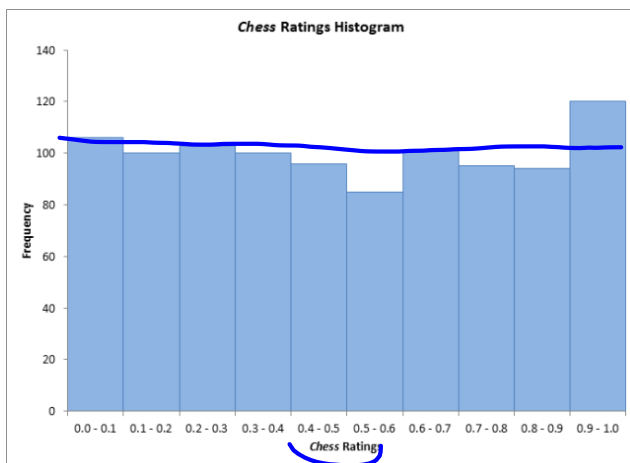
Make a dotplot of the data



Mean > Median

LT: Determine the shape of the distribution

Uniform Distribution: All the data points are distributed evenly among the graph



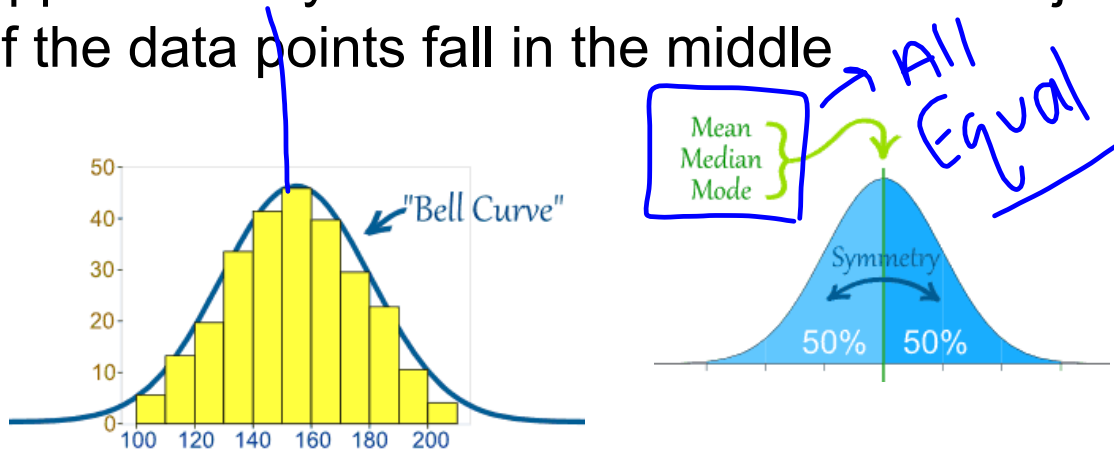
$$\frac{10+10}{2} = 10$$

Mean: 5.5

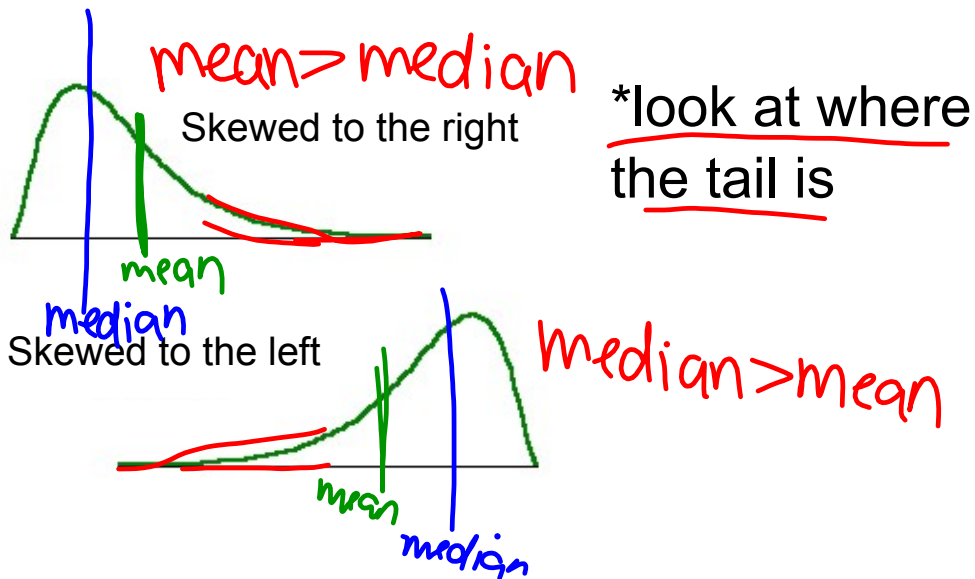
Median: 5.5

Mean = Median

Approximately Normal Distribution: The majority of the data points fall in the middle



Skewed Distribution: A majority of the data points fall to the left or the right of the middle

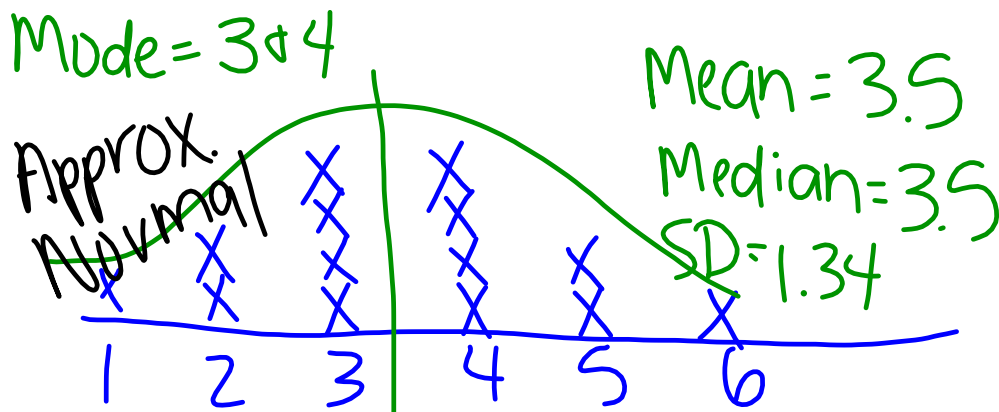


Mean: Towards the tail  
 Median: where the data is split 50/50

Make a frequency chart or dotplot for the following data. Then determine what type of distribution the data has.

4, 3, 5, 6, 3, 2, 4, 3, 5, 3, 1, 4, 2, 4

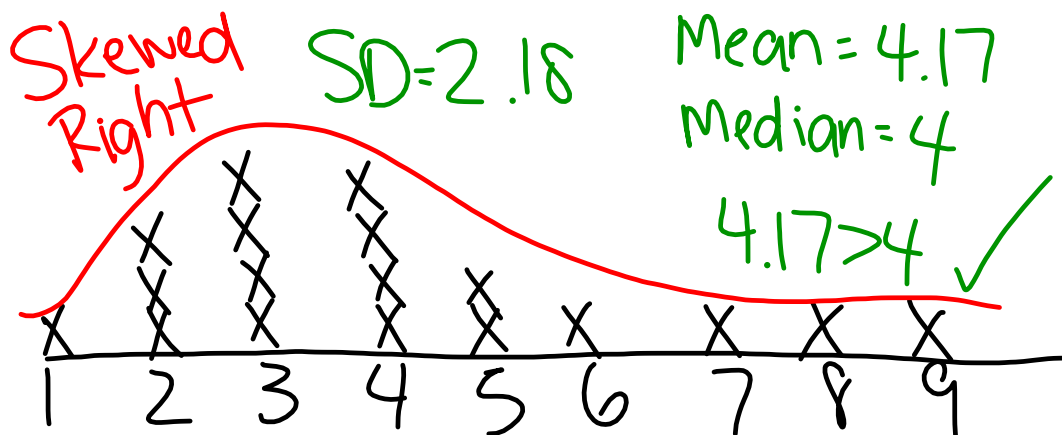
Also, determine mean, standard deviation, and median.



Make a frequency table or dotplot for the following data set and decide which distribution best fits the data.

~~8, 5, 4, 2, 9, 4, 3, 3, 1, 4, 5, 6, 7, 8, 4, 3, 2, 2~~

Also, determine mean, standard deviation, and median.



## Station 1

3, 5, 8, 9, 4, 8, 9, 7, 3, 8, 6, 8, 7, 2, 4, 2, 5, 6

## Station 2

8, 4, 7, 9, 3, 2, 4, 3, 7, 9, 3, 2, 2, 3, 5, 8, 3

### Station 3

*3, 4, 5, 6, 6, 7, 8, 3, 6, 5, 2, 4, 3, 6*

### Station 4

*9, 7, 1, 3, 2, 1, 3, 2, 6, 7, 8, 6, 3, 4, 2, 4, 7, 6, 8*