STATION 1

I can determine if a variable is Qualitative (Categorical QL) or Quantitative (numerical QN)

a) Whether or not a newborn baby tests positive for HIV

b) The running time of an Alfred Hitchcock movie

c) The age of a penny

d) The weight of an automobile

e) Whether an automobile is foreign or domestic

f) The classification of an auto as small, midsize, or large

g) Whether or not an applicant for graduate school is accepted

h) The occupational background of a Civil War general

STATION 2

I can create a bar chart.

The data below shows the favorite car of a group of students. Create a bar chart to organize the data.

Car	Frequency
Range Rover	12
Jeep Wrangler	17
Tesla	15
Maserati	22
Minivan ☺	3

STATION 3

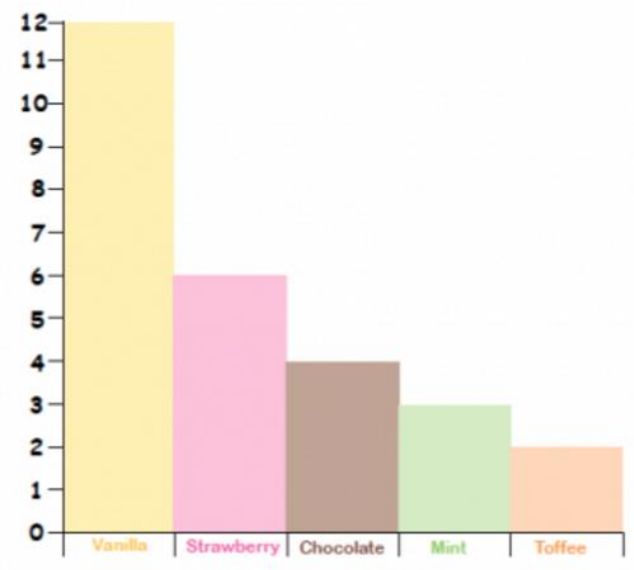
I can use a bar chart to answer questions

The data shows the favorite ice cream flavor of a group of students.

a) How many total students were surveyed?

b) What percentage of students prefer strawberry?

c) What percentage of students prefer mint and chocolate?



STATION 4

I can create a Pie Chart.

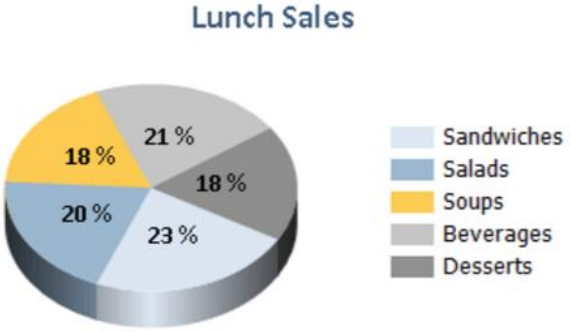
The data below shows the favorite car of a group of students. Create a pie chart to organize the data.

Car	Frequency
Range Rover	12
Jeep Wrangler	17
Tesla	15
Maserati	22
Minivan ☺	3

STATION 5

I can answer questions using the data from a Pie Chart.

The data below shows the lunch sales from a particular week. Answer the following questions using this data.



a) What percentage of students bought soups and salads?

b) If 50 people were surveyed, how many would have bought desserts?

c) If 250 people were surveyed, how many would purchase beverages and sandwiches?

STATION 6

I can create a histogram.

The data below shows the lunch sales from a particular week. Create a histogram.

Number of Cups of Coffee	Tally	Frequency
0 - 3	//	2
4 - 7	///	3
8 - 11	~~HHT~~ ///	8
12 - 15	///	3
16 - 19	//	2

STATION 7

I can answer questions involving histograms.

A) How many students were surveyed in this study?

B) What percentage of students take between 50 and 99 trips to the beach?

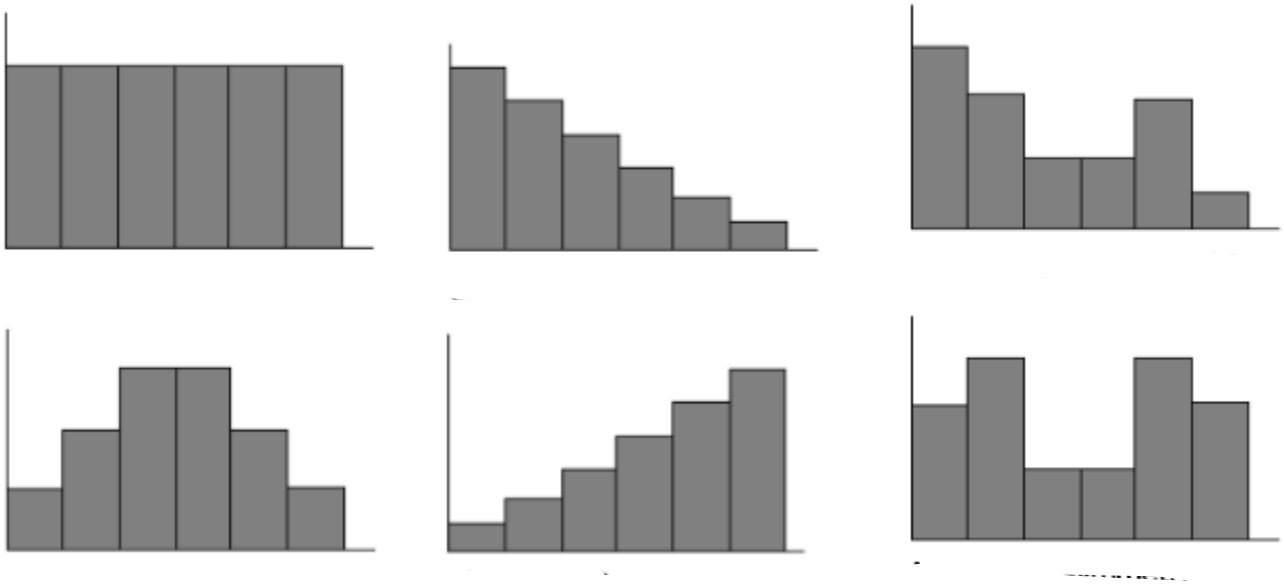
C) What type of distribution does this resemble?

D) Approximately how many people went to the beach at most 49 times?

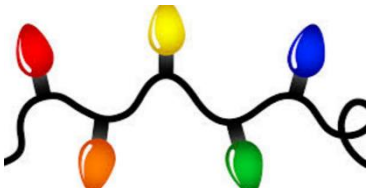
STATION 8

I can describe a distribution of data.

Name the distribution in each.



STATION 9



I can create a stem and leaf plot.

The data below shows how many light bulbs people hang outside of their homes for the holidays. Create a stem and leaf plot.

200 180 166 152 153 150 175 170 203 183 190 194 201

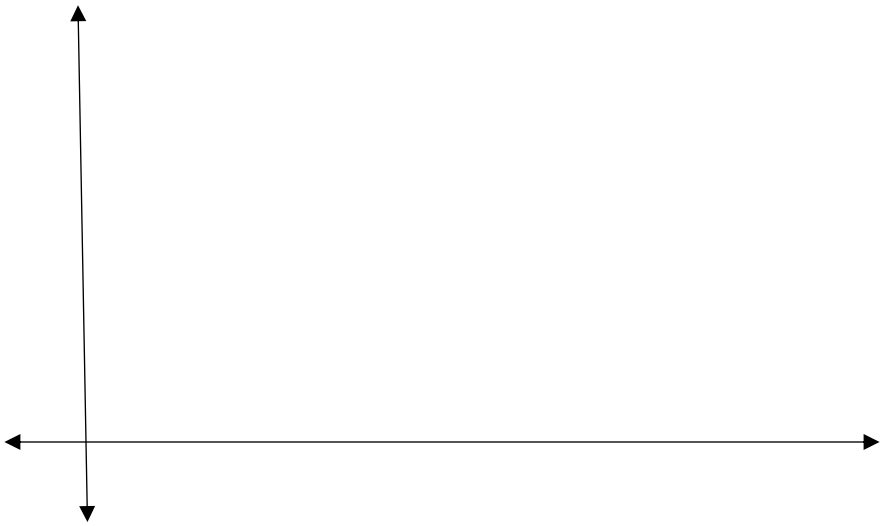
STATION 10

I can create a dot plot.

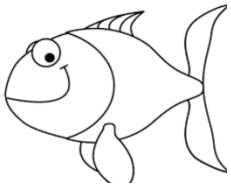
The data below shows the amount of money parents spend on their kids during the Holidays. Fill in the frequency table and create a dot plot.

40 25 100 150 80 95 70 200 125 140 150 100 50 30 25 50

Interval	Tally
0-50	
50-100	
100-150	
150-200	
200-250	



STATION 11



I can identify the mean, median, and mode of a set of data.

The data below shows the amount of fish Lilia and Luke caught each day on their fishing trip with their Dad. Answer the questions.

3 6 13 4 3 7

Find the mean:

Find the mode:

Find the median:

Find Q1:

Find Q3:

Find the IQR:

Find the Range:

Is there an outlier?

STATION 12

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

The data below shows the amount of people Mrs. Berenson emails a day. Create a box-and-whisker plot of the data.

12 3 9 2 12 20 24 33 18 15 2 11 20 21

STATION 13

I can create a box-and-whisker plot from a set of data and determine if there is an outlier.

The data below shows the number of Christmas cookies each family brings over to the Berensons for their Christmas party. Create a box-and-whisker plot and determine if there is an outlier.

24 12 8 36 19 72 25 33 10

STATION 14

I can create a box-and-whisker plot from a set of data and determine if there is an outlier.

The data below shows the number of minutes a student daydreams during class. Create a box-and-whisker plot and determine if there is an outlier.

4 12 9 24 12 11 9 16 20 21 17 50

STATION 15

I can choose the best data display for a set of data.

The data below shows the breakdown of birthdays in our Block class.

Birthday Month	Frequency
Jan	2
Feb	2
Mar	2
Apr	3
May	1
June	2
July	3
Aug	0
Sept	1
Oct	2
Nov	2
Dec	0

A) Is this data quantitative (numerical) or qualitative (categorical)?

B) What data display would make the most sense for this data?

C) Graph the data!

STATION 16

I can use a frequency table to answer related questions.

A) How many students bought a hot dog and a water?

B) What percentage *of students* purchased a slice of pizza and soda?

Concession Stand Sales				
	Soda	Water	No Drink	Total
Hot Dog	**50**	62	46	**158**
Pizza	**120**	58	**4**	**182**
No Food	30	20	**10**	60
Total	**200**	**140**	60	**400**

C) What percentage *of students* purchased no food and no drink?

D) What percentage *of students who purchased hot dogs* also purchased water?

E) What percentage *of students who purchased no drink* also purchased pizza?