Name:_____ Per:_____ Date:_____

1. Create a statistical question. Remember that a statistical question is one that creates variability in the data. You want your question to result in a numerical value (like 3 fish) instead of a categorical value (like pepperoni pizza). You will ask 24 classmates for their data.

2. Record each person's reply in the table below

Person	Reply	Person	Reply

3. Make a dot plot of your data on the line below.

Name:_____ Per:_____ Date:_____

4. Use your data to create a 5 Number Summary and a Box plot below. Find the Interquartile Range (IQR).

5. Use your data to find the mean, median, mode, and spread of the data.

Mean	
Median	
Mode	
Spread	

6. Create a frequency table of your data. You'll have to decide on the range of each line in your table and title your interval and frequency. Interval is how big your range is, and frequency is what you are counting.

Interval	**Frequency**

Name:_____ Per:_____ Date:_____

6. Use your frequency table to create a histogram of your data.

7. Consider each visual representation you have made (dot plot, boxplot, histogram). Consider each measure of center you have found (Median, Mean). Consider the spread (range and IQR) of the data. What conclusions can you draw about the center, spread, and shape of your data?