~~shape with dot plots, histograms and box plots.~~

6-Trait Writing Rubric
Scores for Organization

Example 1:
The dot plot shows the writing scores for a group of students on organization. Describe the data.


```
                        x
                        x
                        x   x
                        x   x   x
                    x   x   x   x   x
            x   x   x   x   x   x   x
            ├───┼───┼───┼───┼───┼───┤
            0   1   2   3   4   5   6
```

1) Use the 8 vocab words from your notebook to help in your discussion on the data above
2) What are the mean, median, and mode of this data?
3) Make a box plot for the data – what is the 5 number summary?

Example 2:

Grade 6 students were collecting data for a math class project. They decided they would survey the other two grade 6 classes to determine how many DVDs each student owns. A total of 48 students were surveyed. The data are shown in the table below in no specific order. Create a data display. What are some observations that can be made from the data display?

11	21	5	12	10	31	19	13	23	33
10	11	25	14	34	15	14	29	8	5
22	26	23	12	27	4	25	15	7	
2	19	12	39	17	16	15	28	16	

4) Use the data above to create a histogram- you must create a frequency table first – Write about your graph using the vocab from this week.

Example 3:
Ms. Wheeler asked each student in her class to write their age in months on a sticky note. The 28 students in the class brought their sticky note to the front of the room and posted them in order on the white board. The data set is listed below in order from least to greatest. Create a data display. What are some observations that can be made from the data display?

130	130	131	131	132	132	132	133	134	136
137	137	138	139	139	139	140	141	142	142
142	143	143	144	145	147	149	150		

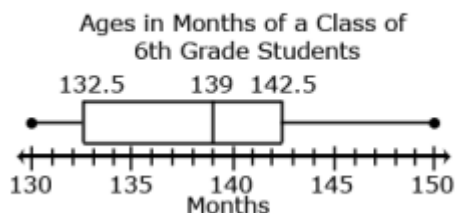Create a box plot from the data above and discuss your findings using the 5 # summary and the IQR.

Susan has four 20-point projects for math class. Susan's scores on the first 3 projects are shown below:

Project 1: 18
Project 2: 15
Project 3: 16
Project 4: ??

What does Susan need to make on Project 4 so that the average for the four projects is 17?

Example 4:

What is the IQR of the data below:

Ages in Months of a Class of 6th Grade Students

132.5   139 142.5

```
      ┌──────┬─────┐
●─────┤      │     ├──────────●
      └──────┴─────┘
├┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┤
130    135    140    145    150
              Months
```

Example 6:

3, 2, 4, 2, 9, 8, 2, 11, 4.
What is the MAD for this data set?

Example 5: