Name _____   Period _____

Classwork on Histograms and Dot Plots Worksheet

Directions: Create a histogram for the set of data. Frequency table has been provided. When making the histogram, make sure you give it a TITLE and LABEL YOUR AXIS.
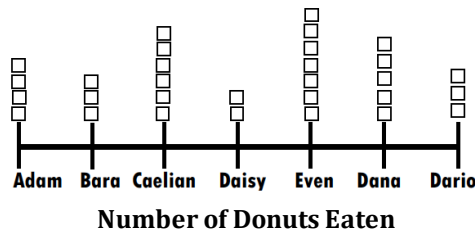
1. Chocolate candies per bag of trail mix:

Frequency table:

Interval	# of values
1-20	
21-40	
41-60	
61-80	
81-100	

50	**42**	**100**	**45**
68	**32**	**100**	**64**
67	**61**	**31**	**75**
39	**62**	**64**	**96**
49	**55**	**51**	**33**
99			

Directions: Answer the following questions based on each of the dot plots.

2. The dot plot below shows the number of donuts that a group of kids ate.
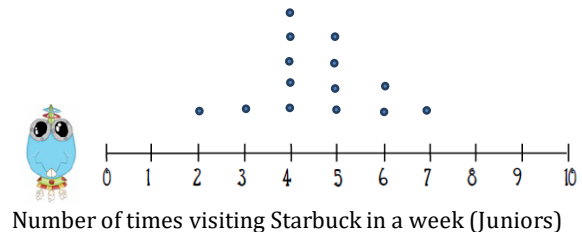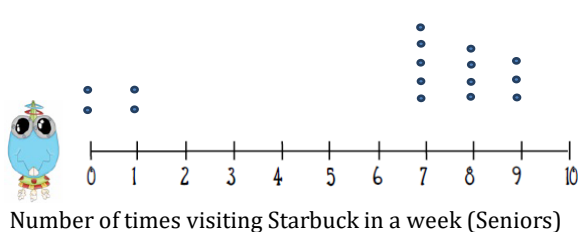

Adam   Bara   Caelian   Daisy   Even   Dana   Dario

Number of Donuts Eaten

  a.   How many total donuts were eaten?

  b.   Did any of the kids eat the same number of donuts? If so, who?

  c.   Who ate the most number of donuts?

3. The following data shows the amount of chocolate Mrs. Latimer ate over the last 30 days. Create a dot plot to show how much chocolate she ate. Make sure you label your dot plot.

3, 5, 9, 2, 4, 5, 3, 8, 7, 4, 2, 9, 7, 1, 2, 2, 5, 7, 12, 6, 3, 7, 9, 2, 1, 7, 4, 3, 9, 11

4. A group of high school students were asked; how many times they visit Starbucks during a given week.

Number of times visiting Starbuck in a week (Seniors)

Number of times visiting Starbuck in a week (Juniors)

a. Find the Mean and the Median for the Seniors.

b. Find the Mean and the Median for the Juniors.

c. In terms of skewness, how would you describe the distribution of the data for the Seniors?

d. In terms of skewness, how would you describe the distribution of the data for the Juniors?

e. The data for the seniors is skewed. What is the better representation for the center of the data for the Seniors: the mean or the median?   Explain your answer.