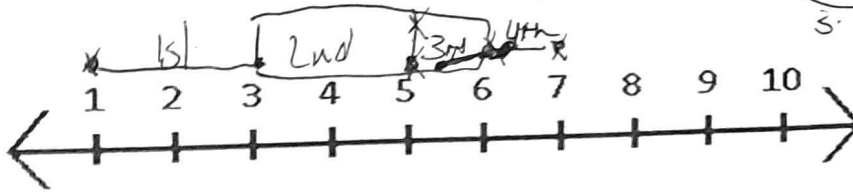


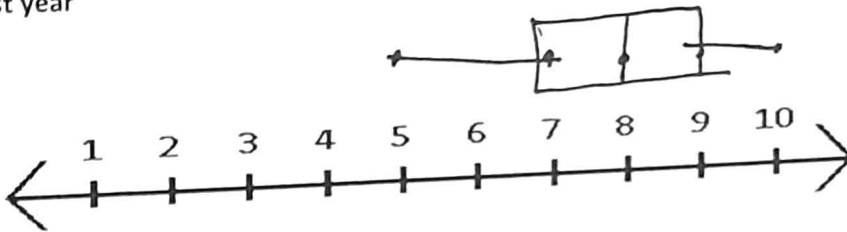
1) The drought has rough this year. Farmers want you to determine how their crops have fared. On lines below write the number of crop rows that grew this year in each plot of farm land, then make a box and whisker plot on the number line below.

~~7~~ 1 7 6 5 5 5 3 5 5

This year



Last year



Now compare the two box plots and answer the questions below.

According to the median how many more crop rows were grown last year?

Which has the larger range?

This year
which year was more predictable, this year or last year?

this year
What is the 3rd quartile for last year?

7.5
What is the 3rd quartile for this year?

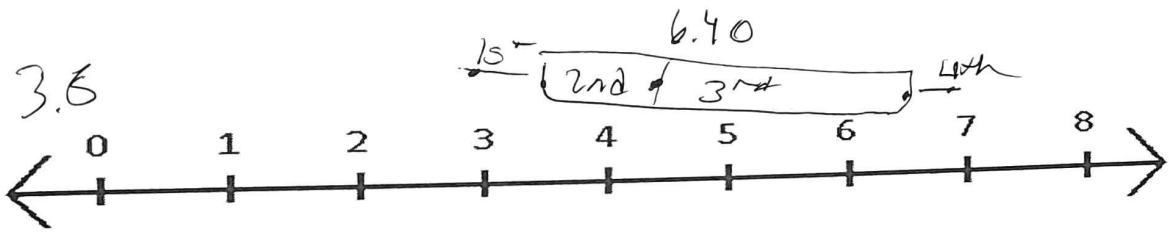
6.5
What was the interquartile range for last year?

5

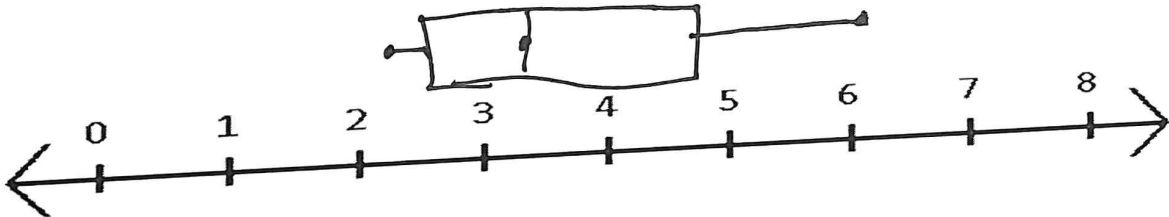
2) Gas prices are out of control! Go to each gas station and record. Create box and whiskers to represent the data. Then create a histogram to represent the data.

3.00, 4.10, 4.00, 6.00, 4.90, 6.00, 6.80, 3.80

~~3.00, 3.80, 4.00, 4.10, 4.90, 6.00, 6.80, 6.00~~



One year ago



Which has the larger range?

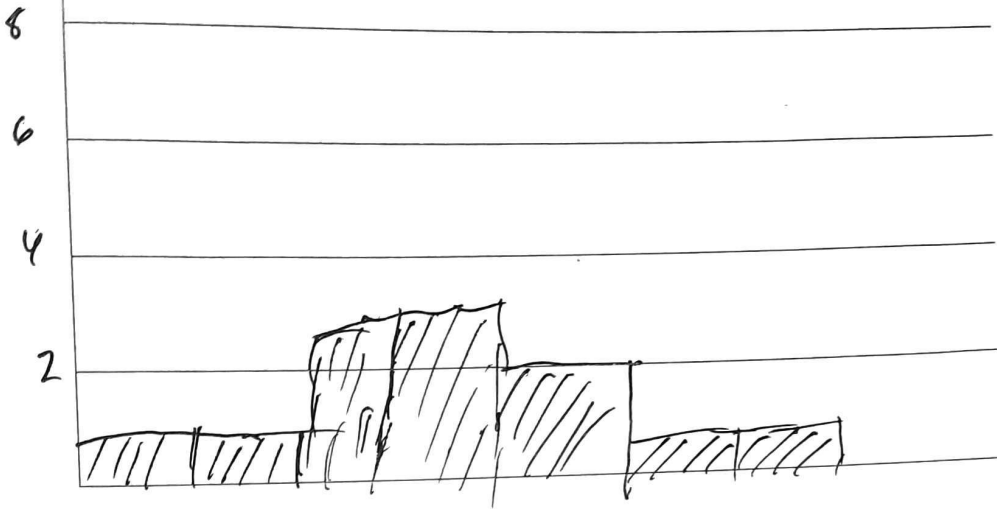
One year ago

which year was more predictable, this year or last year?

this year

3) Trying to buy a new vehicle right now is tough. Create a box plot and histogram of the vehicle prices.

19 Name: _____ Period: _____



0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000
 to to to to to to to to to
 9,999 19,999 29,999 39,000 49,999 59,999 69,999 79,999 89,999

	Tally	Frequency
0 to 9,999		1
10,000 to 19,999		1
20,000 to 29,999		3
30,000 to 39,000		4
40,000 to 49,999		3
50,000 to 59,999		1
60,000 to 69,999		1
70,000 to 79,999		0
80,000 to 89,999		6

Now answer these questions based on the histogram

How many vehicles cost between 30,000 and 39,000?

How many vehicles cost between 30,000 and 50,000?

How many vehicles cost 50,000 or more?

How many vehicles cost 40,000 or less?

How many vehicles cost between \$40,000 and \$79,000?