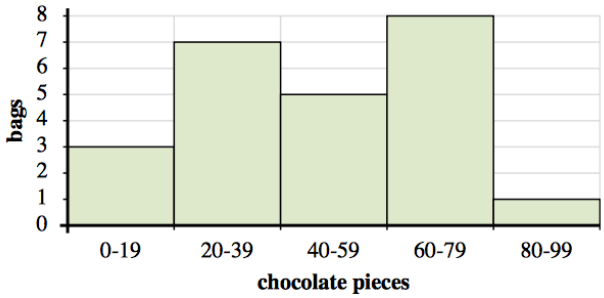
Name: _____ Date: _____

UNIT 4 **LESSON 3**

AIM: INTERPETING HISTOGRAMS & DOT PLOT

1. The histogram below shows the quantity of chocolate pieces per bag of trail mix.



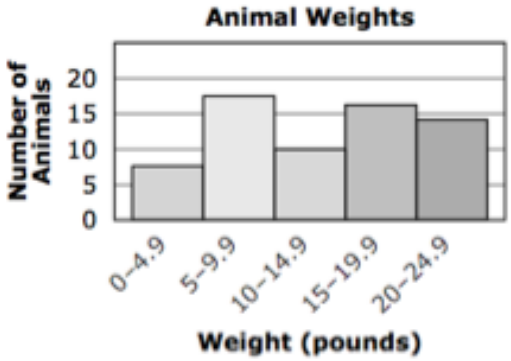
a) Most bags had between ___ and ___ pieces of chocolate.

b) How many bags had between 60 and 79 chocolate pieces?

c) How many bags of trail mix are represented in this histogram?

d) If a bag had 59 pieces of chocolate in it, which bar would it be added to?

2. A veterinarian recorded the weights of animals in a histogram.



(a) How many animals weigh up 4.9 pounds?

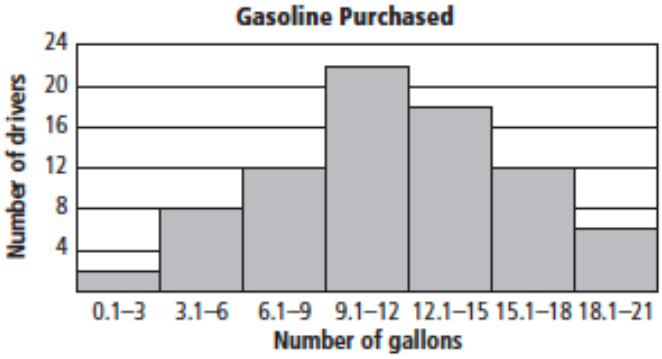
(b) How many animals weigh between 5 and 9.9 pounds?

(c) How many animals weigh less than 9.9 pounds?

(d) How many animals weigh at least 15 pounds.

3. Based on the graph to the right, answer the following

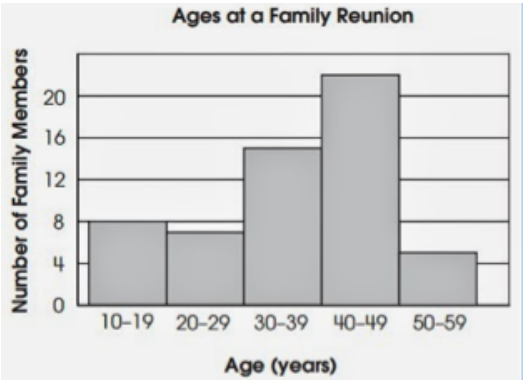
a) Which interval represents the greatest number of drivers?



b) How many drivers bought more than 12 gallons?

c) How many drivers bought 9 gallons or less?

4. Tom went to his family reunion. The histogram shows the ages of Tom's family members who were at the family reunion. Which cannot be determined from these data?



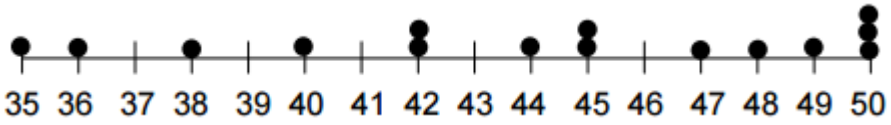
(a) Number of family members at the reunion.

(b) Age of the oldest family member at the reunion.

(c) Number of family members older than 39 at the reunion.

(d) Number of family members younger than 20 at the reunion.

5. The following dot plot represents scores on a math project in Mr. Marino's Geometry class.

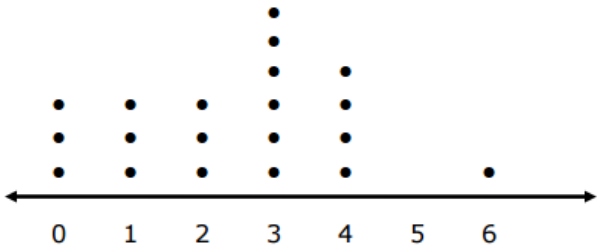


a) How many data points are in this dot plot?

b) Determine the mean of the data.

c) Determine the median of the data.

6. The students in one social studies class were asked how many brothers and sisters (siblings) they each have. The dot plot here shows the results.

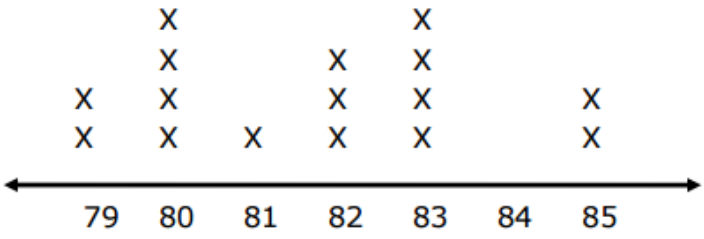


a) How many students have six siblings?

b) How many students have no siblings?

c) How many students have three or more siblings?

7. The resting pulse rates were recorded for 16 boys in gym class before they exercised. The line plot here shows the results.



a. What is the range of the pulse rates?

b. How many boys had a pulse rate over 81?

c. How many boys had a pulse rate of 83?

Name: _____ Date: _____

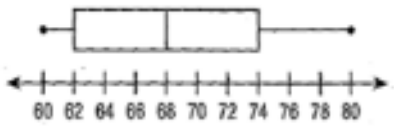
UNIT 4 **HW#_____** **LESSON 3**

1. The heights, in inches, of the players on the Braves baseball team are:

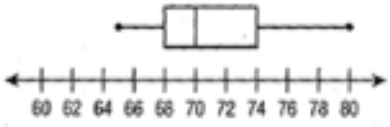
62, 64, 64, 65, 67, 67, 68, 68, 69, 70, 70, 70, 71, 73, 74

The manager determined that the team's lower quartile height is 65 inches, the median height is 68 inches, and the upper quartile height is 70 inches. Which box plot represents the heights of the Braves baseball players?

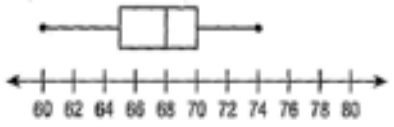
A. Bluebirds Player Height (in inches)



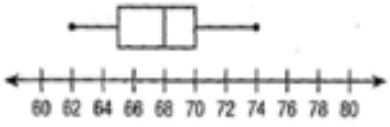
C. Bluebirds Player Height (in inches)



B. Bluebirds Player Height (in inches)



D. Bluebirds Player Height (in inches)



2. Students answered a survey question about how long it takes them to get ready in the morning. The histogram at the right shows the survey results.

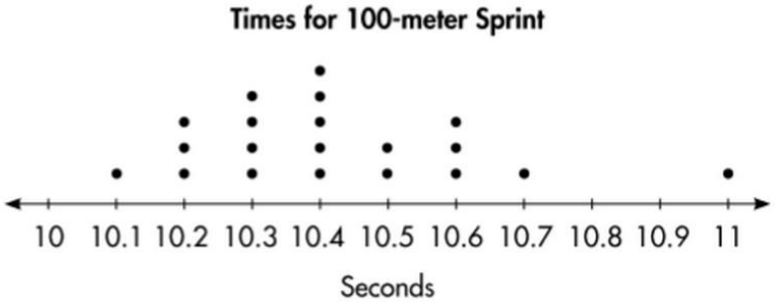
a) Which interval indicates the answers most students gave?

b) How many students answered the question?

c) How many students take less than 40 minutes to get ready?

d) Why might no students have given an answer of 50-59 minutes?

3. Given the dot plot below answer the following.



a) How many people ran the 100-meter sprint?

b) Which time was the most common?

c) Which time is an outlier?

d) How many more people ran 100 meters in 10.6 seconds than 10.1 seconds?

DON'T FORGET TEXTBOOK PAGE 87# 31-part (a)!!