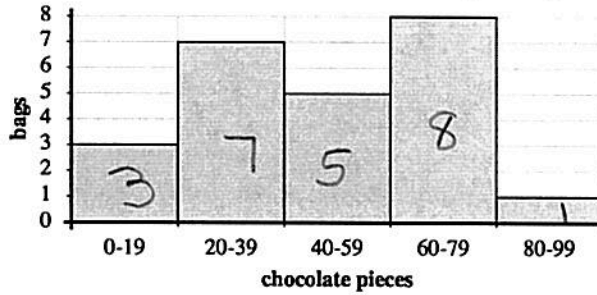


AIM: INTERPETING HISTOGRAMS & DOT PLOT

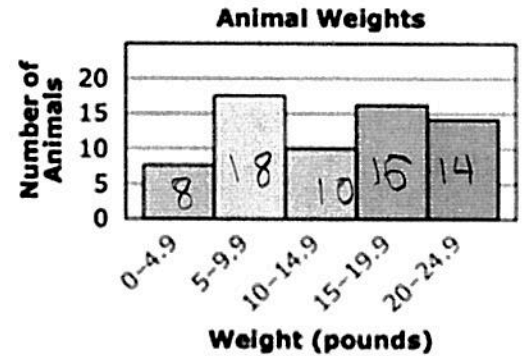
1. The histogram below shows the quantity of chocolate pieces per bag of trail mix.



- a) Most bags had between 60 and 79 pieces of chocolate.
- b) How many bags had between 60 and 79 chocolate pieces? 8
- c) How many bags of trail mix are represented in this histogram? 24
- d) If a bag had 59 pieces of chocolate in it, which bar would it be added to? 40-59

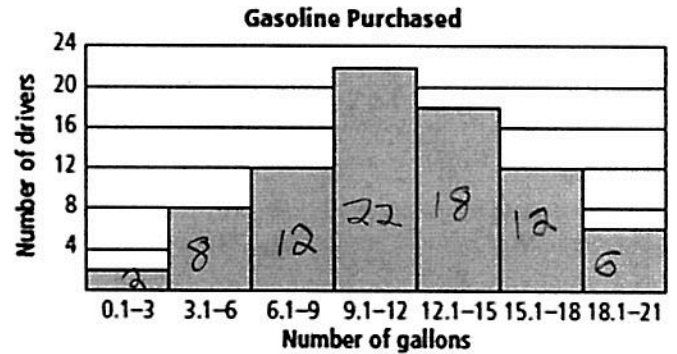
2. A veterinarian recorded the weights of animals in a histogram.

- (a) How many animals weigh ^{upto} 4.9 pounds? 8
- (b) How many animals weigh between 5 and 10 ^{9.9} pounds? 18
- (c) How many animals weigh less than 8 ^{7.9} pounds? 26
- (d) How many animals weigh at least 15 pounds. 30



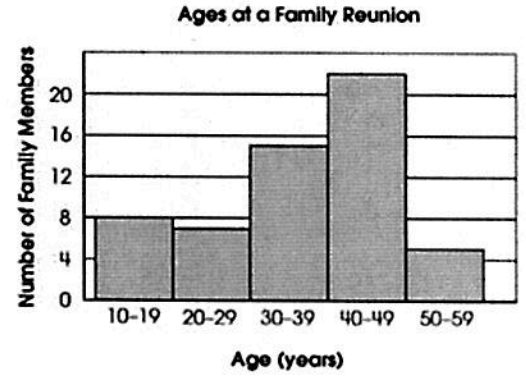
3. Based on the graph to the right, answer the following

- a) Which interval represents the greatest number of drivers?
9.2 - 12
- b) How many drivers bought more than 12 gallons?
36
- c) How many drivers bought 9 gallons or less?
22

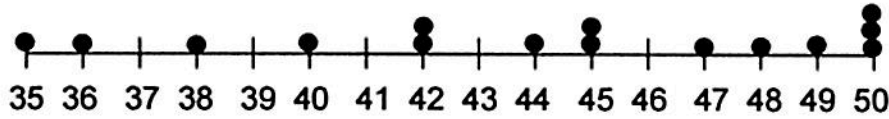


4. Tom went to his family reunion. The histogram shows the ages of Tom's family members who were at the family reunion. Which cannot be determined from these data?

- (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.



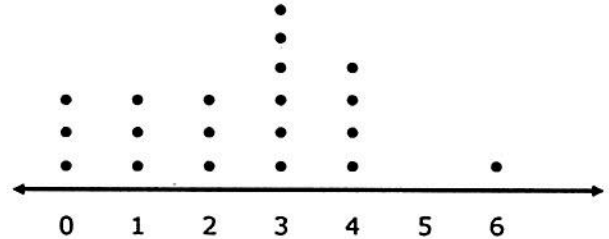
5. The following dot plot represents scores on a math project in Mr. Marino's Geometry class.



- a) How many data points are in this dot plot? 15
- b) Determine the mean of the data. 44.1
- c) Determine the median of the data. 45

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? 1
- b) How many students have no siblings? 3
- c) How many students have three or more siblings? 11



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? 6
- b. How many boys had a pulse rate over 81? 9
- c. How many boys had a pulse rate of 83? 4

