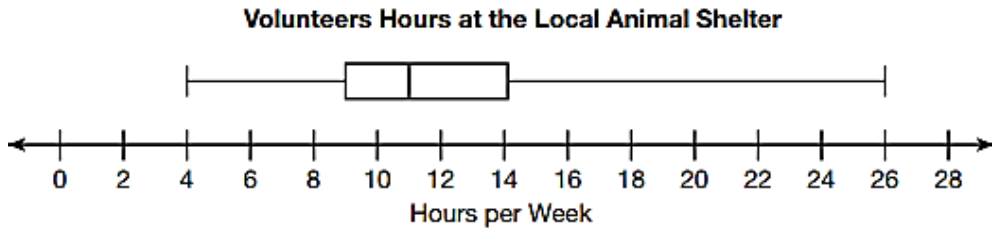


1. Analyze the given box-and-whisker plot. Use the data to answer each question.

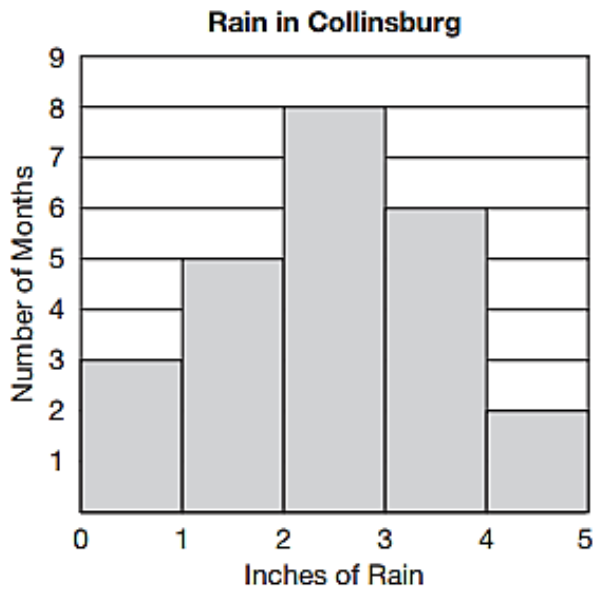


- a. Describe the information represented in the box-and-whisker plot.
- b. How many people are represented on the box-and-whisker plot?
- c. What percent of the people volunteered 14 or more hours?
- d. What percent of the people volunteered less than 11 hours?
- e. How many hours did the middle 50 percent of the people volunteer?
- f. Describe the data distribution and interpret its meaning in terms of this problem situation.

2. Construct a box-and-whisker plot to display the scores on a recent science test. The data are 90, 95, 100, 70, 85, 65, 90, 80, 65, 70, 75, 80, 85, 80, 60, 80, 75, and 85. Describe the data distribution.



3. Analyze the given histogram and use the data to answer the following questions.



a. Describe the information represented in the histogram.

b. How many months are represented on the histogram?

c. Identify the intervals represented by each bin.

d. How many months had 4 or more inches of rain?

e. Describe the data distribution and interpret its meaning in terms of this problem situation.

4. Construct a histogram to display the scores on a recent English quiz. The data are 18, 45, 20, 32, 9, 35, 49, 28, 25, 19, 5, 30, 22, 24, and 14. Use $0 \leq x < 10$ as the first interval. Describe the data distribution.