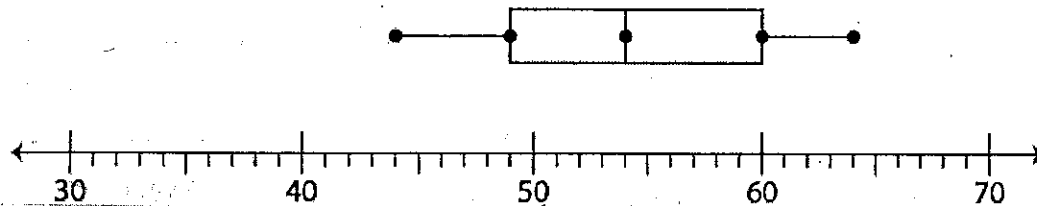


### Chapter Six Test Correctives

Use the box and whisker plot to answer 1-4.

The average annual temperature (in Fahrenheit) of Idaho, Colorado, Connecticut, Indiana, Illinois, Kansas, Kentucky, Arizona, Arkansas, Alabama, Georgia are recorded to make a box-and-whisker plot. Read the plot and answer the questions.



1. What is the lower extreme of the temperatures? \_\_\_\_\_
2. What is the interquartile range of the temperatures? \_\_\_\_\_
3. What percent of the temperatures are above 54 degrees? \_\_\_\_\_
4. What is the median of the temperatures? \_\_\_\_\_
5. What is the upper extreme of the temperatures? \_\_\_\_\_

Top 5 names of people who can eat the most hot dogs in 10 minutes

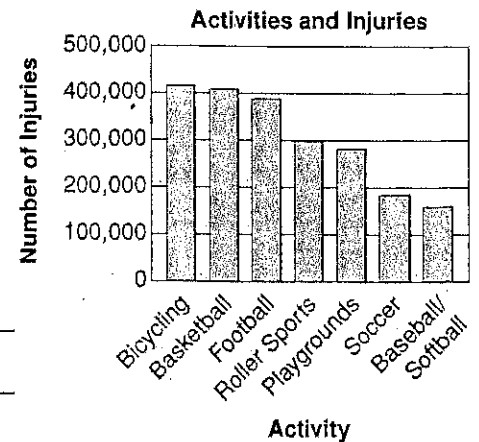
Player	# Hot Dogs
Bob Bunner	85
Dave Bell	75
Harold Campbell	30
Nicole Whitbun	42
Josh Dogg	55

What are the mean, median, mode and range of this set of data?

5. Mean = \_\_\_\_\_ 6. Median = \_\_\_\_\_  
 7. Mode = \_\_\_\_\_ 8. Range = \_\_\_\_\_

Answer each question using the bar graph.

9. Which activity had the most injuries? \_\_\_\_\_
10. Which activity had the fewest injuries? \_\_\_\_\_
11. How many more injuries were there in basketball than in roller sports? \_\_\_\_\_
12. What activity had about 190,000 injuries? \_\_\_\_\_
13. Which activities had at more than 400,000 injuries? \_\_\_\_\_
14. Which activities had at least 300,000 injuries? \_\_\_\_\_



Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

Answer each question using the line graph.

15. What was Asheville's normal monthly temperature for February? \_\_\_\_\_

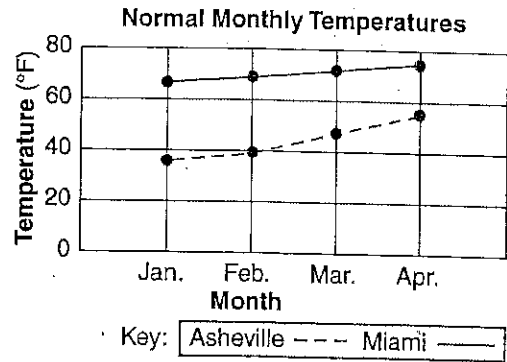
16. What was the difference between the two cities January temperature? \_\_\_\_\_

17. Which city had the highest normal monthly temperature? \_\_\_\_\_

18. What was the lowest monthly temperature? \_\_\_\_\_

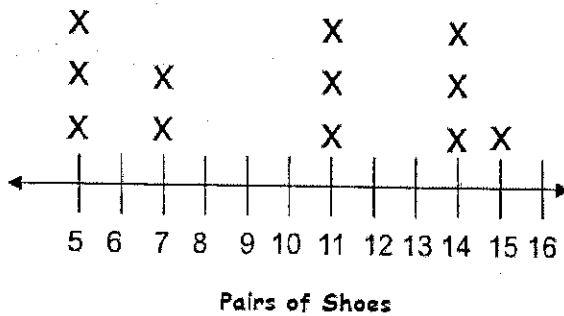
19. When was the difference in the two cities monthly temperature the least? \_\_\_\_\_

20. What general statement can you make about both cities' temperature from January to April? \_\_\_\_\_



This is a line plot showing how many pairs of shoes one class of eighth graders has in their closet.

Use the line plot below to answer 21-25.



21. What is the median pair of shoes? \_\_\_\_\_

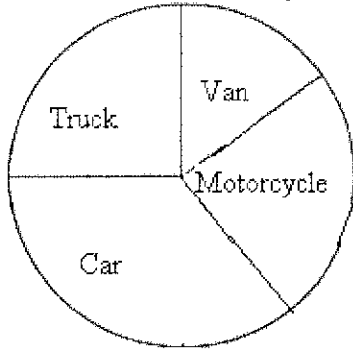
22. What is the mean of shoes owned by an eighth grader?  
\_\_\_\_\_

23. How many eighth graders own at least 7 pairs of shoes? \_\_\_\_\_

24. How many students own more than 11 pairs of shoes? \_\_\_\_\_

25. What does each X represent on the line plot? \_\_\_\_\_

Personal Vehicle Survey



Use the circle graph above to answer 26-29.

26. Do more people drive a truck or a car? \_\_\_\_\_
27. Which vehicle represents less than 25%? \_\_\_\_\_
28. According to the survey, 25% of people drive a truck. A total of 200 people were surveyed. How many people drive a truck? \_\_\_\_\_
29. If a car represents 35%, what % do the other three vehicles amount to? \_\_\_\_\_

Use the histogram to answer 30-35.

30. Which interval range of pulse rates shows the lowest frequency of people? \_\_\_\_\_
31. What is the total number of people represented? \_\_\_\_\_
32. How many intervals are shown on the histogram? \_\_\_\_\_
33. How many people had a pulse rate of at least 80? \_\_\_\_\_
34. How many pulse rates make up each interval on the pulse rate histogram? \_\_\_\_\_
35. How many people had a pulse rate less than 90? \_\_\_\_\_

