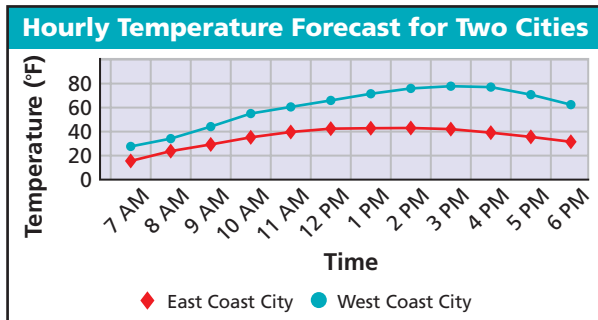


Section Overview

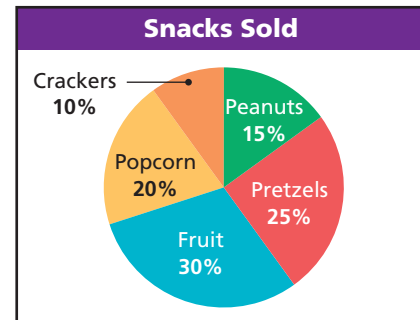
Organizing and Displaying Data

Lesson 10-1

Why? Graphs are used to display data in an organized and visual way.



The West coast city is forecasted to have higher temperatures than the East coast city.



Fruit was the most popular snack because it makes up the greatest area of the circle

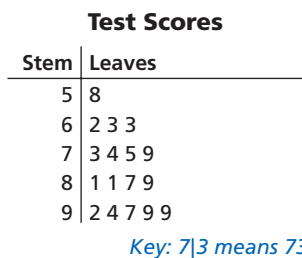
Data Distributions

Lessons 10-2, 10-3

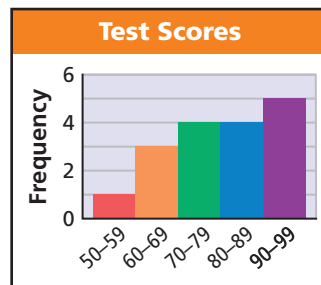
Why? Analysts compare data distributions to make decisions about business, sports, and weather.

The plots below all show the same data.

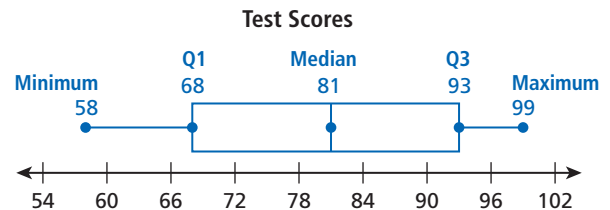
Stem-and-Leaf Plot



Histogram



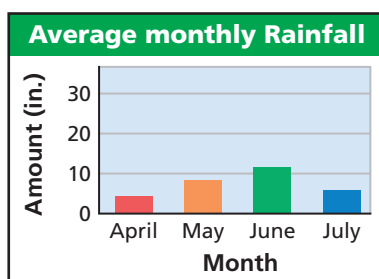
Box-and-Whisker Plot



Misleading Graphs and Statistics

Lesson 10-4

Why? Misleading graphs might persuade a business manager to make poor decisions.



The vertical scale is too large and minimizes differences.

Annual Salary at a Company	
\$22,000	\$30,000
\$35,000	\$125,000

To say that the average annual salary in the company is \$53,000 is misleading because 3 of the 4 salaries are less than that. The median, \$32,500, is a better measure.