

**182**

**%**

**Size**

**%**

**Size**

**Size of Cars Sold
in the U.S.**

**Course 3** • Data Analysis and Statistics

NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Number of Employees**

**AGE For Exercises 1–4, use the following information. Cosmic, Inc. is a**

**software company with 30 employees. The ages of the employees are displayed below using both a histogram and a stem-and-leaf plot.**

**Employee Age**

**Problem-Solving Practice**

***Select an Appropriate Display***

9

1 2 2 4 4 4 4 5 5 6 6 8 9

0 0 0 1 2 3 3 7 8 8 9

2 5 7 7

3 *1*|*9* = *19*

1

2

3

4

5

**Leaf**

**Stem**

17%

Premium

33%

Medium

13%

Large

37%

Small

**6.** **CARS** Construct a circle graph using the data in the table in question 5. What benefit does the circle graph have?

**Size of Cars**

**Sold in the U.S.**

**5.** **CARS** What percent of cars sold were small, medium, or large? Explain how you found your answer.

**4.** Can you tell from the stem-and-leaf plot how many employees are between the ages of 36 and 43? If so, how many are there? If not, explain your reasoning.

**3.** Can you tell from the histogram how many employees are between the ages of 36 and 43? If so, how many are there? If not, explain your reasoning.

**2.** Can you tell from the stem-and-leaf plot how many employees are between the ages of 20 and 29? If so, how many are there? If not, explain your reasoning.

**1.** Can you tell from the histogram how many employees are between the ages of 30 and 39? If so, how many are there? If not, explain your reasoning.

**Age**

14

12

10

8

6

4

2

0

DATE PERIOD