UNIT 6 • DESCRIBING DATA

Lesson 2: Working with Two Variables

Problem-Based Task 6.2.1: FunZone America Survey Coaching

- a. Sort the data first by attraction. Then, within each attraction, sort by age.
- b. Count the number of attractions selected for each given age range. For example, to fill in the first joint frequency, count the number of people aged 5 through 15 who selected roller coasters. Fill in a two-way frequency table with this information.
- c. Find the marginal frequencies. Sum each row, and sum each column.
- d. Which type of conditional relative frequency would show the type of attraction preferred by each age group?
- e. Calculate the conditional relative frequencies and put them in a table.
- f. Look at the conditional relative frequencies for each age group. Is there an attraction that is preferred by each group?