

## 4

NAME \_\_\_\_\_ DATE \_\_\_\_\_

**Chapter 4 Review****Age Ratios and Proportions**

You may have read in a newspaper that the population of the United States is getting older. This means that the ratio of older people to younger people is increasing. How about in your neighborhood? What is the ratio of adults to children in your neighborhood or community?

1. Pick three public places in your community. Parks, shopping malls, or street corners are good examples. Make sure you pick a place that is not going to have more than the usual number of children or adults. With a parent, stay at each of the three locations for about 30 minutes and count the number of children and adults you see. Consider children to be anyone under the age of 18 and adults to be anyone age 18 or older. Record the information in the table below. Then find the ratio of children to the total number of people and the ratio of adults to the total number of people observed at each location.

	Location 1	Location 2	Location 3
Children			
Adults			
Total			
Ratio of children to total			
Ratio of adults to total			

2. Suppose you go back to the three locations on another day and observe 50 people at each location. Use the ratios found in Exercise 1 to estimate how many of these people you would expect to be adults and how many you would expect to be children? Use proportions and round answers to the nearest whole number.

	Location 1	Location 2	Location 3
Number of children out of 50			
Number of adults out of 50			

3. Based on the information you gathered from your three locations, what percent of the people living in your community are children? What percent of the people living in your community are adults?

Answers are located on page 107.