Lesson 5 Extra Practice
Percent of Change

Find each percent of change. Round to the nearest whole percent if necessary. State whether the percent of change is an increase or a decrease.

1. 450 centimeters to 675 centimeters

2. 77 million to 200.2 million

3. 500 albums to 100 albums

4. 350 yards to 420 yards

5. 3.25 meters to 2.95 meters

6. $65 to $75

7. 180 dishes to 160 dishes

8. 450 pieces to 445.5 pieces

9. 700 grams to 910 grams

10. 55 women to 11 women

11. 412 children to 1,339 children

12. 464 kilograms to 20 kilograms

13. 24 hours to 86 hours

14. 16 minutes to 24 minutes

Lesson 5 Problem-Solving Practice

Percent of Change

1. **SHOES** A popular brand of running shoes costs a local store $68 for each pair. If the store sells the shoes for $119, what is the percent of increase in the price?

2. **CLUBS** Last year the backgammon club had 30 members. This year the club has 24 members. Find the percent of decrease in the number of members.

3. **READING** In the seventh grade, Rachel read 15 books. In the eighth grade, she read 18 books. Find the percent of increase in the number of books Rachel read.

4. **VOTES** Last year 762 students voted in the student council election at San Bruno Middle School. This year 721 students voted. What was the percent of change in the number of students that voted to the nearest tenth?

5. **HEIGHT** When Ricardo was 9 years old, he was 56 inches tall. Ricardo is now 12 years old and he is 62 inches tall. Find the percent of increase in Ricardo's height to the nearest tenth.

6. **PLANTS** Alicia planted 45 tulip bulbs last year. This year she plans to plant 65 bulbs. Find the percent of increase in the number of tulip bulbs to the nearest tenth.

7. **PICTURES** The 2008 yearbook at Middleton Middle School had 236 candid pictures of students. The 2007 yearbook had 214 candid pictures of students. What was the percent of change in the number of candid student pictures from 2007 to 2008 to the nearest tenth?

8. **POPULATION** In 2000, Florida's population was 15.9 million. In 2008, the population was estimated to be 18.8 million. Find the percent of increase to the nearest whole number.