Math 7th Grade Lesson 6.4 Homework Practice

Percent of Change

For Exercises 1-12, find each percent of change. Round to the nearest whole percent if necessary. State whether the percent of change is an increase or decrease.

1. 8 feet to 10 feet
2. 136 days to 85 days
3. $0.32 to $0.37
4. 62 trees to 31 trees
5. 51 meters to 68 meters
6. 16.5 grams to 24.8 grams
7. $180 to $210
8. 2.9 months to 4.9 months

9. GEOMETRY  Refer to the rectangle shown. Suppose the width of 4 inches is decreased by 3 inches.
   a. Find the percent of change in the perimeter.
   b. Find the percent of change in the area.
10 **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?

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

12 **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.

13 **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?