Lesson 5 Homework Practice

Percent of Change

For Exercises 1-14, 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. 0.55 minute to 0.1 minute

8. $180 to $210

9. 2.9 months to 4.9 months
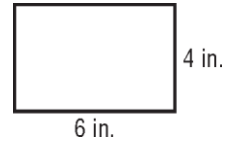
10. 0.5 to 0.75

11. 0.1 to 0.2

12. 1.5 to 0.375

13. SURGERY Recent developments in surgical procedures change the average healing time for some operations from 8 weeks to 3 weeks.

14. ROADS The city added an extra lane in each direction to the 5-lane road.

15. GEOMETRY Refer to the rectangle shown. Suppose the width of 4 inches is decreased by 3 inches.

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┌──────────────┐
│              │ 4 in.
└──────────────┘
     6 in.
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a. Find the percent of change in the perimeter.

b. Find the percent of change in the area.