

Lesson
6.1**Review & Refresh**

1. A six-sided number cube is used in a game.
 - a. Find the sample space. How many possible outcomes are there?
 - b. In how many ways can rolling an odd number occur?
 - c. In how many ways can rolling a number greater than 7 occur?

Identify the percent of change as an increase or decrease. Then find the percent of change. Round to the nearest tenth of a percent if necessary.

2. 100 pounds to 110 pounds
3. 60 inches to 50 inches
4. 72 miles to 88 miles
5. 80 hours to 60 hours

An account earns simple annual interest. Find (a) the interest earned and (b) the balance of the account.

6. \$1250 at 4% for 7 years
7. \$5000 at 1.5% for 66 months

Describe the likelihood of the event given its probability.

8. The probability you make a shot is $\frac{7}{10}$.
9. There is a 0% chance of snow tomorrow.

Find the selling price.

10. Cost to seller: \$80; % markup: 25%
11. Cost to seller: \$35; % markup: 75%
12. A football team scores 42 points in their first game. In the second game, the team scores 7 points. Find the percent of change in the point totals.