

CHAPTER

6

At-Home Practice**Applying Percents**

Find each percent of change. Round answers to the nearest tenth of a percent, if necessary.

1. 60 is decreased to 50.

2. 35 is increased to 70.

3. 18 is increased to 99.

4. 85 is decreased to 25.

5. Allison buys baskets at an outlet for \$2.25 each. She increases the price of the baskets 60% and then resells them. What is the mark-up, or amount of increase, on each basket?

6. Tim's hardware store has a sale on hammers for 25% off the marked price. The hammers are priced at \$12.50 each. Find the amount of the discount and the sale price.

Find each missing value.

7. $I = ?$, $P = \$800$, $r = 8\%$,
 $t = 3$ years

8. $I = ?$, $P = \$16,000$, $r = 3\%$,
 $t = 7$ years

9. $I = \$720$, $P = \$800$, $r = 9\%$,
 $t = ?$ years

10. $I = \$157.50$, $P = ?$, $r = 5\%$,
 $t = 7$ years

11. Aaron invests \$3,600 for 5 years at a simple interest rate of 6%. How much money does he receive in interest?

12. Shirley receives \$1,200 per year from the simple interest on her money market funds. She has an annual interest rate of 4%. How much money does she have invested in her funds?

Answers: 1. 16.7% 2. 100% 3. 450% 4. 70.6% 5. \$1.35 6. \$3.13 discount; \$9.38 sale price 7. \$192
8. \$3,360 9. 10 years 10. \$450 11. \$1,080 12. \$30,000

CHAPTER 6 **Family Fun**
6 *Be a Smart Shopper*

Materials

- 10 discount cards
- 10 product cards

Directions

- Cut out the cards. Each team randomly chooses 3 discount cards and 5 product cards.
- Each team must use each of their discount cards at least once on a product.
- Each team applies a discount to their products and totals up the discount amount.
- The team that saves the most money wins that round.
- The winner is the team who wins the best out of 3 rounds.

5%	10%	15%	20%	25%
30%	50%	5%	10%	40%
Music CD \$16.50	Electronic Game System \$249.99	Gas Card \$25	Tropical Exotic Fish \$30	Scooter \$65.99
15-Speed Mountain Bike \$269	Baseball Mitt \$55.79	Computer Mouse \$29.99	Notebook Paper \$3.49	4-Piece Table Setting \$89.99