

## At-Home Practice

### Applying Percents

Find the percent of increase or decrease.

1. A coat was discounted from \$70 to \$45. Find the percent of decrease.

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2. When Andre was 2 years old, he weighed 28 lb. At the age of 3, Andre weighed 34 lb. Find the percent of increase.

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Solve.

3. Matthew works in a bicycle shop where he earns an 8% commission and no weekly salary. What will Matthew's weekly sales need to be to earn \$450?

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4. The sales tax in Sandra's town is 6.5%. If she buys 2 shirts for \$23.99 each, and a pair of shoes for \$41.99, how much sales tax does she owe?

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5. Mark borrows \$6000 from the bank at a simple interest rate of 7.5% for 5 years. How much will Mark pay back to the bank?

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6. Marissa has a savings account with a balance of \$2750. If the account earns an annual simple interest rate of 4.85%, how much will be in the account in 3 years?

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7. Kevin earns \$1066 every two weeks. Of that, \$213.20 is withheld for taxes. What percent of Kevin's earnings is withheld each pay period?

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8. Muriel sells blankets and quilts that she makes at home. She marks up her prices so that she earns a 12% profit on all sales. If Muriel's profit this month was \$215, what were her total sales?

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Answers: 1. 35.71% 2. 21.43% 3. \$5625 4. \$5.85 5. \$8250 6. \$3150.13 7. 20% 8. \$1791.67

**CHAPTER**

**6**

**Family Fun**

**Money Matters**

**Materials**

Number cube  
Calculator

**Directions**

- Cut out the cards and place in a stack face down.
- Divide into teams. Each team is given a beginning balance of \$500.
- Roll a number cube. If your team rolls an even number, you will earn a commission. If it is an odd number, you will be taxed.
- Draw a card to determine your commission rate or tax rate. Determine your commission or tax by multiplying the rate times your current balance at the end of each round.
- Add your commission to the running balance. Subtract the tax from the running balance.
- The game lasts ten rounds. After the final round, the team with the highest ending balance is the winner.

<b>5%</b>	<b>10%</b>	<b>15%</b>	<b>20%</b>	<b>25%</b>
<b>30%</b>	<b>5%</b>	<b>10%</b>	<b>15%</b>	<b>20%</b>

<b>Round</b>	<b>Rate</b>	<b>Balance \$500</b>	<b>Round</b>	<b>Rate</b>	<b>Balance \$500</b>
<b>1</b>			<b>6</b>		
<b>2</b>			<b>7</b>		
<b>3</b>			<b>8</b>		
<b>4</b>			<b>9</b>		
<b>5</b>			<b>10</b>		