

Name _____

Date _____

Class _____



Applications of Percent

Practice and Problem Solving: C

1. Complete the table.

Sale Amount	Tax	Amount of Tax	Total Cost
\$49.95		\$4.00	\$53.95
	5%	\$6.43	
\$499.99	7.5%		
		\$103.96	\$2,702.96
\$12,499.00	7%		

2. Complete the table.

Principal	Annual Rate	Time	Interest Earned	New Balance
\$2,400		6 months		\$2,442.00
	4.9%	2 years	\$4.41	
\$9,460.12		5 years		\$12,061.65
\$3,923.87	2.2%		\$64.74	

Solve.

3. Jorge earns a 9% commission on all of his sales. He had sales of \$89,400 for the month. Harris works for a different company, and also sold \$89,400 for the month but made \$447 more than Jorge. What is Harris' commission rate?
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4. Danielle wants to buy a video game. At the local Big Box store, it costs \$49.95. Danielle has a coupon for 10% off at the store, and she will pay a 6.5% sales tax. At an online store, the game is \$44.95, with \$4.00 shipping charge and no sales tax. Which purchase would be cheaper?
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5. A clothing store ran advertisements for a special sale. The store's ads read "Buy one at regular price, get a second one for half price." Explain how the terms of the clothing store's sale are different from offering a 50% discount. Use \$100 as the regular price for the item to write your explanation.
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Practice

For use after Lesson 6.7

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

1. \$400 at 7% for 3 years

2. \$1200 at 5.6% for 4 years

Find the annual interest rate.

3. $I = \$18$, $P = \$200$, $t = 18$ months

4. $I = \$310$, $P = \$1000$, $t = 5$ years

Find the amount of time.

5. $I = \$60$, $P = \$750$, $r = 4\%$

6. $I = \$825$, $P = \$2500$, $r = 5.5\%$

7. You put \$500 in a savings account. The account earns \$15.75 simple interest in 6 months. What is the annual interest rate?