

Name: \_\_\_\_\_

## MID-TOPIC CHECKPOINT

TOPIC  
**3**

- Vocabulary** Explain how the percent equation relates proportional quantities. *Lesson 3-3*
- Colleen buys a movie for \$20 and pays 7% sales tax. Her cousin, Brad, lives in another state. Brad buys the same movie for \$22 and pays 6% sales tax. Who pays more sales tax? How much more? *Lessons 3-1 and 3-3*
- Kamesh and Paolo each read 40 books in one year. Kamesh read 12 nonfiction books. Thirty-five percent of the books Paolo read were nonfiction. Who read more nonfiction books? How many more? *Lesson 3-2*
- Val buys a computer for \$920. If this is 115% of what the store paid for the same computer, how much did the store earn on the sale? *Lesson 3-3*
- For each situation, select the percent to answer the question. *Lessons 3-1, 3-2, and 3-3*

	5%	15%	20%	25%
At an auto repair shop, 14 of the 56 cars received oil changes. What percent of the cars received oil changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Harry pays \$3.50 sales tax on a \$70 item. What is the sales tax rate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In a box of 250 paperclips, 50 are red. What percent of the paperclips are red?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rylee saved \$9 on a \$60 pair of shoes. What percent did she save?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Explain how you can use proportional reasoning to determine the whole if you know that 21 is 60% of the whole. *Lesson 3-2*

How well did you do on the mid-topic checkpoint? Fill in the stars.

