

# Mid-Chapter Check

## Vocabulary Check



1. Fill in the blank in the sentence below with the correct term. (Lesson 4)

The **percent equation** states that the part equals the percent multiplied by the whole.

## Skills Check and Problem Solving

Find each number. Round to the nearest tenth if necessary. (Lessons 1 and 3)

2. What percent of 84 is 12? **14.3%**

3. 15 is 25% of what number? **60**



Estimate. (Lesson 2)

4. 20% of 392 **80**

Sample answer:

$$\frac{1}{5} \times 400 = 80$$

5. 78% of 112 **88**

Sample answer:

$$\frac{4}{5} \times 110 = 88$$

Write an equation for each problem. Then solve. Round to the nearest tenth if necessary. (Lesson 4)

6. **MP Use Math Tools** A computer costs \$849.75 and the hard drive is 61.3% of the total cost. What is a reasonable estimate for the cost of the hard drive? (Lesson 2)

Sample answer: 60% of \$850 = \$510

7. What number is 35% of 72? 25.2

$$p = 0.35 \cdot 72; 25.2$$

8. 16.1 is what percent of 70? 23%

$$16.1 = n \cdot 70; 23\%$$

9. **MP Persevere with Problems** Ayana has 220 coins in her piggy bank. Of those, 40% are pennies. Out of the coins that are *not* pennies, 25% are quarters. How many of the coins are quarters? (Lesson 4)

33 quarters