

SKILL and Concept Check

- Choose the problem that can be solved by using $\frac{8}{b} = \frac{16}{100}$.
 - What number is 16% of 8?
 - 8 is 16% of what number?
- OPEN ENDED** Write a proportion that can be used to find the part if you know the base and the percent.

GUIDED PRACTICE

Find each number. Round to the nearest tenth if necessary.

- What percent of \$50 is \$18?
- What number is 25% of 180?
- What number is 2% of 35?
- 62 is 90.5% of what number?

Practice and Applications

Find each number. Round to the nearest tenth if necessary.

- What percent of 60 is 15?
- 9 is 45% of what number?
- What number is 12% of 72?
- What percent of \$12 is \$9?
- 75 is 20% of what number?
- What number is 40% of 80?
- \$3 is what percent of \$40?
- 12.5% of what number is 24?
- 8.2% of 50 is what number?
- What percent of 300 is 0.6?
- 45 is 150% of what number?
- What percent of 25 is 30?
- What number is 0.5% of 8?
- 6% of what number is $10\frac{1}{2}$?

- SHOPPING** A paperback book originally priced at \$12.50 is on sale for \$7.50. What percent of the original cost is the sale price?
- MOVIES** Sarah and Monique spent \$14, or 35% of their money, on movie tickets. How much money did they have to start with?
- CRITICAL THINKING** Without calculating, order the following from greatest to least value. Explain your reasoning.
20% of 100, 20% of 500, 5% of 100

HOMEWORK

For Exercises See
7-22

Extra Practi
See pages 582,

HW# 19
7-20

Spiral Review with Standardized Test Practice

- MULTIPLE CHOICE** There are about 53,500 hotels in the United States. Use the table to find how many are located along highways.

- A 22,577
 B 22,470
 C 17,976
 D 5,457

- SHORT RESPONSE** 95 of 273 students volunteered. About what percent of the students did *not* volunteer?

U.S. Hotels	
Location	Per
highways	42
suburbs	33
city	10

Find each number. Round to the nearest tenth if necessary. (Lesson 7.7)

- What is 25% of 120?
- Find 45% of 70.

- Write 1.2 as a percent. (Lesson 7.6)