Name \_\_\_\_\_

Reteaching **5-1** 

## **Using Patterns to Divide**

You can use basic facts and patterns to divide mentally.

## Using basic facts

What is  $350 \pm 70$ ?

Think:  $350 \div 70$  is the same as 35 tens  $\div 7$  tens.

$$35 \div 7 = 5$$

So, 
$$350 \div 70 = 5$$
.

## Using patterns

What is 5,400 ± 60?

5,400 ÷ 60 is the same

as 540 ÷ 6.

$$54 \div 6 = 9$$
, so  $540 \div 6 = 90$ .

So, 
$$5,400 \div 60 = 90$$
.

Find each quotient. Use mental math.

**9. Number Sense** How is dividing 250 by 50 the same as dividing 2,500 by 500?

**10. Explain It** Explain how you can mentally determine that  $35{,}000 \div 70 = 500$ .

## **Using Patterns to Divide**

In 1 through 4, find each quotient. Use mental math.

3. 
$$240 \div 30 =$$

Use mental math to answer the following questions.

5. If the vehicles are divided evenly among the sections, how many vehicles are in each section?

Dealership Vehicle Storage	
Sections of vehicles	4
Vehicles for sale	1,200
Rows per section	10

- **6.** If the vehicles are divided evenly among the rows in each section, how many vehicles are in each row?
- 7. Estimation Suppose there are 297 students going on a field trip. If each schoolbus can carry 58 students, estimate the number of buses that will be needed to transport all the students.
- **8. Algebra** If  $160,000 \div n = 4$ , what is the value of *n*?
  - **A** 40
- **B** 400
- **C** 4,000
- **D** 40,000
- **9. Explain It** Solve the equation  $n \times 50 = 5{,}000$ . Explain your solution.