Using Patterns to Divide

Name

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

- **1.** $360 \div 40 = 36 \text{ tens} \div 4 \text{ tens} =$ **2.** $5,400 \div 90 = 540 \text{ tens} \div 9 \text{ tens} =$ **60**
- **3.** 240 ÷ 30 = 24 tens ÷ 3 tens =
- **4.** 4,800 ÷ 10 = 480 tens ÷ 1 ten =

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?

300 vehicles

Sections of vehicles4Vehicles for sale1,200Rows per section10

Dealership Vehicle Storage

6. If the vehicles are divided evenly among the rows in each section, how many vehicles are in each row?

30 vehicles

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.

Since 300/60 = 5, about 5 school buses will be needed.
8. Algebra If 160,000 ÷ 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 × 50 = 5,000. Explain your solution.
n = 100; Sample answer: Divide each

Practice **5-1**

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