

Name _____

Using Patterns to Divide

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

1. $360 \div 40 = 36 \text{ tens} \div 4 \text{ tens} =$ _____

2. $5,400 \div 90 = 540 \text{ tens} \div 9 \text{ tens} =$ _____

3. $240 \div 30 = 24 \text{ tens} \div 3 \text{ tens} =$ _____

4. $4,800 \div 10 = 480 \text{ tens} \div 1 \text{ ten} =$ _____

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?

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. 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. If $1,600 \div n = 4$, what is the value of n ?

A 40 **B** 400 **C** 4,000 **D** 40,000

9. Solve the equation $n \times 50 = 5,000$. Explain your solution.
