## Using Patterns to Divide

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

1. $360 \div 40=36$ tens $\div 4$ tens $=$
2. $5,400 \div 90=540$ tens $\div 9$ tens $=$
3. $240 \div 30=24$ tens $\div 3$ tens $=$
4. $4,800 \div 10=480$ tens $\div 1$ 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

| 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?

## 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 $\frac{300}{60}=5$, about 5 school buses will be needed.
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.

# $n=100$; Sample answer: Divide each side by 50. 

