

# Solving Multiplication and Division Equations

For **1** through **3**, explain how to get the variable alone in each equation.

**1.**  $r \times 7 = 42$

$r \times 7 \div 7 = 42 \div 7$

**2.**  $m \div 6 = 12$

$m \div 6 \times \underline{\quad} = 12 \times \underline{\quad}$

**3.**  $44 = 2k$

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For **4** through **9**, solve the equation. Check your answer.

**4.**  $9n = 72$

**5.**  $y \times 5 = 60$

**6.**  $v \div 13 = 2$

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**7.**  $w \div 7 = 15$

**8.**  $216 = 36p$

**9.**  $17 = t \div 3$

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- 10. Writing to Explain** Tell how you would get the variable  $m$  alone on one side of the equation  $15m = 45$ .

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- 11. Write a Problem** Write a problem that can be solved with the equation  $r \div 6 = 14$ .

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- 12. Number Sense** Which equation can you use to solve this problem?

There are 12 muffins in a package. Will bought 84 muffins. How many packages did he buy?

**A**  $12 \times p = 84$

**B**  $84 \times 12 = p$

**C**  $12 \div p = 84$

**D**  $84 = 12 + p$