# 2.7 Multiplication Equations

Pq. 81

3-20-18

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Division is the inverse of multiplication. To solve an equation that contains multiplication, use division to "undo" the multiplication.

$$4m = 32$$

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$$4m = 8$$

$$4m \text{ means "} 4 \times m."$$

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$$3\lambda = 3\lambda$$

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#### Solve the equation. Check your answer.

$$5p = 75$$
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p is multiplied by 5. Divide both sides by 5 to undo

**Check** 5**/** = 75

5(15)<sup>2</sup> 75

the multiplication.

Substitute 15 for p in the equation.  $75 \stackrel{?}{=} 75 \checkmark$  15 is the solution.

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### Solve the equation. Check your answer.

$$\frac{.6}{O} = \frac{8r}{9}$$

r is multiplied by 8.

$$\frac{10}{8} = \frac{3}{8}$$

$$16 = 8(2)$$

$$2 = 7$$

$$16 = 16 \checkmark$$

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## Solve the equation. Check your answer.

p is multiplied by 5.

Solve the equation. Check your answer.

$$8a = 72$$

a is multiplied by 8.

 $\alpha = 9$  8.9 = 72

Mar 15-8:55 AM Mar 15-8:55 AM Solve the equation. Check your answer.

$$\frac{18}{3} = \frac{8w}{3}$$

w is multiplied by 3.

3W=18

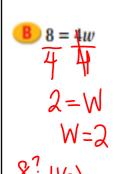
$$W = 18$$
  $\frac{3}{18} = \frac{3}{18} =$ 

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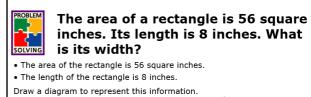
Solve each equation. Check your answers.

$$\frac{A}{3} = \frac{12}{3}$$

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#### **Lesson Quiz**

- **1.** 10y = 300
- **2.** 2y = 82
- **3.** 63 = 9y
- **4.** 78 = 13x
- **5.** The area of a board game is 468 square inches. Its width is 18 inches. What is the length?