7-4 Solve and Write Multiplication Equations

Inverse Operations: operations that undo each other. Addition and Subtraction Multiplication and Division

Words	If you divide each side of an equation by the same non- zero number, the two sides remain equal.	
Examples	Numbers	Algebra
	18 = 18	3x = 12
	$\frac{18}{6} = \frac{18}{6}$	$\frac{3x}{3} = \frac{12}{3}$
	3 = 3	x = 4

Use the Division Property of Equality to solve for variable. **Examples:**

$$\frac{9c}{9} = \frac{36}{9}$$
$$a = 4$$

 $\frac{4h}{4} = \frac{32}{4}$ h = 8(h=8)

9

80=1

A grocery store is selling <u>6 cans</u> of cat food for <u>\$3</u>. Write and solve a multiplication equation to find the cost of a can of cat food.



Earline has put \$250 into her savings account. To do this, she made 10 deposits of the same amount. Write and solve a multiplication equation to find the amount of each deposit.

