Section 4-2: One-Step Equations Multiplication/Division

Review:

Remember, solving an equation is like balancing a scale.



What you do to one side, you must do to the other side.

So how do we solve these types of problems?

$$\frac{3}{5}x = \frac{6}{3}$$
 $x = \frac{12}{3}$
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 $x = \frac{12}{3}$

$$\frac{x}{2} = 10(2)$$

$$x = 20$$

$$x = 20$$

$$x = 30(-6)$$

$$x = 30(-6)$$

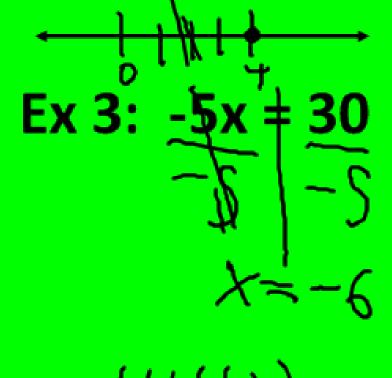
$$x = 30(-6)$$

Steps to solving equations:

- 1. Do an inverse operation. If it says multiply, then divide.
- 2. <u>Balance</u> the equation. What you do to one side, you must do to the other.
- 3. Simplify

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Ex 1:
$$\frac{1}{\sqrt{2}} = \frac{28}{7}$$



Ex 4:
$$-\frac{z}{z} = \frac{17}{2}$$

Ex 5:
$$\frac{a}{3} = 5$$
 (3) Ex 6: $\frac{c}{4} = -2(-4)$

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