

Solving Equations

Multiplication & Division

Goal - isolate the variable (get it by itself)

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

$$x = 2$$

check

$$\checkmark 3 \cdot 2 = 6$$

$$6 = 6$$

$$60 = 12x$$

$$\frac{12}{12}x = \frac{60}{12}$$

$$x = 5$$

~~$$\frac{60}{12} = \frac{12}{12}x$$~~

~~$$5 = x$$~~

~~$$x = 5$$~~

~~$$\frac{x}{4} = 3 \cdot 4$$~~

~~$$x = 12$$~~

$$15 = \frac{x}{7}$$

~~$$\frac{x}{7} = 15 \cdot 7$$~~

~~$$x = 105$$~~

check

$$\frac{12}{4} = 3$$

$$\checkmark 3 = 3$$

~~$$7 \cdot 15 = \frac{x}{7}$$~~

~~$$105 = x$$~~

~~$$x = 105$$~~