

7 points BG

Name _____

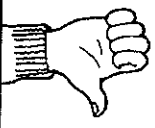
Solving Equations

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

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

$$x = 4$$

Wrong!



Right!

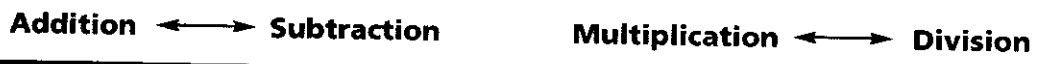
$$\frac{x}{3} = 12$$

$$3 \cdot \frac{x}{3} = 12 \cdot 3$$

$$x = 36$$

Remember

- To solve an equation, first isolate the variable—get it alone on one side of the equation.
- Undo the operation involving the variable by doing the opposite operation. You must do the same thing to both sides.



Solve each equation. Then connect your answers in the order of the problem numbers.

- $x - 5 = 10$ $x =$ _____
- $3x = 6$ $x =$ _____
- $\frac{x}{10} = 4$ $x =$ _____
- $x + 4 = 9$ $x =$ _____
- $5x = 80$ $x =$ _____
- $x - 7 = 13$ $x =$ _____
- $7x = 7$ $x =$ _____
- $\frac{x}{7} = 7$ $x =$ _____
- $x + 15 = 23$ $x =$ _____
- $x - 5 = 5$ $x =$ _____
- $\frac{x}{9} = 5$ $x =$ _____
- $4x = 52$ $x =$ _____

- $x - 6 = 16$ $x =$ _____
- $x + 3 = 3$ $x =$ _____
- $\frac{x}{6} = 15$ $x =$ _____
- $x - 7 = 93$ $x =$ _____
- $\frac{x}{15} = 5$ $x =$ _____
- $25x = 150$ $x =$ _____

Begin and end at the star.

