

Vocabulary

Equation: When 2 expressions are equal.
Must have an = sign.

(ex)
 $4 + x = 12$
expression expression
 $x = 8$

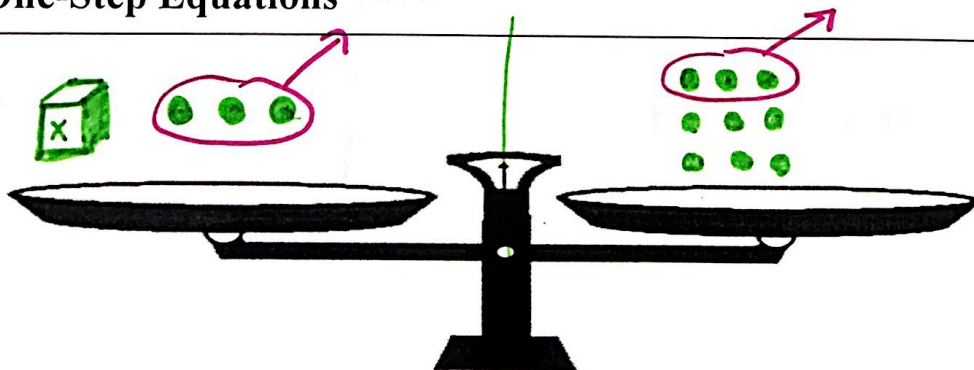
Solution: The number(s) that make the equation true.

Inverse Operations: "Opposite" operations - They "undo" each other.

Operation	Inverse
Addition	Subtraction
Subtraction	addition
Multiplication	Division
Division	Multiplication

Equivalent Equations: Keeping both sides of the equation balanced.
What you do to one side, you must do to the other.

Solving One-Step Equations



$$x + 3 = 9$$

$$\quad -3 \quad -3$$

$$\boxed{x = 6}$$

$$1) x + 9 = -3$$
$$\begin{array}{r} -9 \\ -9 \end{array}$$
$$x = -12$$

$$2) x + 8 = 19$$
$$\begin{array}{r} -8 \\ -8 \end{array}$$
$$x = 11$$

$$3) -7 = y - 13$$
$$\begin{array}{r} +13 \\ +13 \end{array}$$
$$6 = y$$

$$4) t - 9 = -5$$
$$\begin{array}{r} +9 \\ +9 \end{array}$$
$$t = 4$$

$$5) n - 4 = -11$$
$$\begin{array}{r} +4 \\ +4 \end{array}$$
$$n = -7$$

$$6) \frac{4x}{4} = \frac{36}{4}$$
$$x = 9$$

$$7) \frac{n}{-6} = -9$$
$$\begin{array}{r} (-6) \\ (-6) \end{array}$$
$$n = 54$$

$$8) -24 = -3x$$

$$9) 11 = \frac{x}{-5}$$

$$10) 5 = \frac{x}{12}$$

Extra Practice: p. 93 #12-24 (evens) and page 99 #8-22 (evens)

Adapted: p. 93 #12, 14, 16, 18, 20 and page 99 #8, 10, 12, 14, 16