

ALGEBRA

One-step Equations

Solve the equations using inverse operations.

Example: $x + 7 = 11$

The inverse (opposite) operation is subtraction.

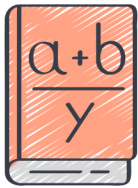
$11 - 7 = 4$ therefore $x = 4$

$x - 18 = 0$

$x + 12 = 20$

$x - 9 = 16$

$x + 20 = 22$



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Solving Equations

Solve the equations using the balance method.

Example:

$$x + 3 = 10$$

$$x + 3 - 3 = 10 - 3$$

$$x = 7$$

$$x + 9 = 17$$

$$x + 15 = 21$$

$$x - 13 = 12$$

$$x - 18 = 5$$