

# Solving Two Step Equations

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## Reminders

\* must get the variable by itself

\* use inverse operations to "undo" the numbers

\* must keep both sides of the = sign balanced (what you do to one side you must do to the other)

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## Quick Practice

1)  $w + 16 = 33$

2)  $-9 - b = 19$

3)  $4k = 24$

4)  $\frac{p}{7} = 21$

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## Solving Two Step Equations

FIRST  $\Rightarrow$  Undo addition or subtraction

SECOND  $\Rightarrow$  Undo multiplication or division

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### Ex 1

$$2y + 5 = 15$$

remember get rid of addition/subtraction first

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### Ex 2

$$4x - 8 = 20$$

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Ex 3

$$18 = 3y + 6$$

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Ex 4

$$26 = 5a + 11$$

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Ex 5

$$9m + 6 = 105$$

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Ex 6

$$-12x + 5 = 65$$

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Ex 7

$$8t - 4 = 44$$

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Ex 8

$$\underline{x} + 3 = 7$$

3

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Ex 9

$$\frac{x}{11} - 4 = 36$$

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Ex 10

$$\frac{x}{4} + 2 = 5$$

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Ex 11

$$\frac{c}{11} + 7 = 8$$

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Ex 12

$$-2 = \frac{d}{6} + 14$$

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