

Solving One Step Equations

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Key Information:

- 1) The goal is to find out what the variable is equal to.
- 2) You have been doing this concept since elementary school, you just didn't know it! **!**
- ($5 + \underline{\quad} = 10$) But now we just replace the $\underline{\quad}$ with a letter ($5 + a = 10$).
- 3) You must get the variable **by itself** to find out what it is equal to.
- 4) Inverse operations = $+/-$ \times/\div **!**

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$$5 + \underline{\quad} = 10$$

$$7 - \underline{\quad} = 3$$

$$2 \times \underline{\quad} = 6$$

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Inverse operations are 'opposites'

Drag to reveal the inverse of each operation

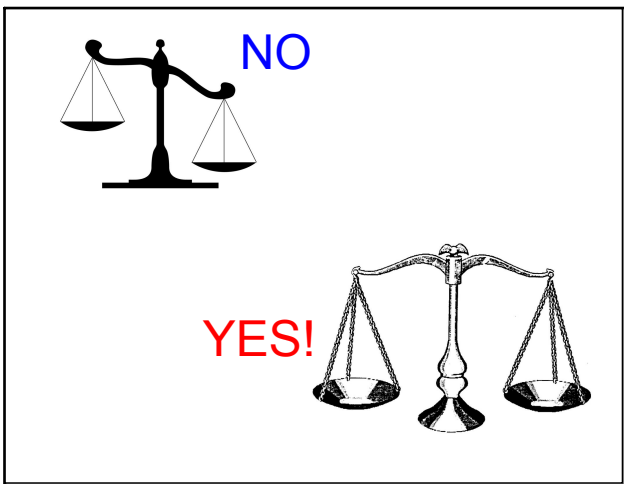
| | |
|----------------|--|
| Addition | |
| Subtraction | |
| Multiplication | |
| Division | |

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Steps:

- 1) Draw a $\underline{\quad}$ down the $\underline{\quad}$ sign.
- 2) Locate the number that is on the $\underline{\quad}$ side as the $\underline{\quad}$.
- 3) Get rid of it by doing the $\underline{\quad}$ operation.
- 4) Do the $\underline{\quad}$ same thing on the other side of the equal sign.

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Ex 1

+ -

$$y + 3 = 9$$

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Ex 2

+ -

$$x + 11 = 20$$

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Ex 3

+ -

$$6 + r = 15$$

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Ex 4

+ -

$$n - 4 = 8$$

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Ex 5

+ -

$$b - 8 = 3$$

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Ex 6

+ -

$$p - 9 = 18$$

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Tougher Equations

$$p - (-4) = 8$$

$$-12 + r = 24$$

$$k - 4.5 = 2.5$$

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Attachments

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