

Solving for x: Lesson 05

One Step Equations: Notes

Name: _____

MATH  ALL

$$7+x=15 \quad \underline{x} = \underline{8}$$

Steps:

1. Figure out what's annoying your variable.

Circle what's annoying the variable:

$$\frac{h}{\textcircled{6.5}} = 57$$

$$5=t\textcircled{-34}$$

$$43=\textcircled{6}s$$

$$b+\textcircled{5.4}=23$$

2. Do the opposite to get rid of it.

Opposites: + and -, x and ÷

3. Do the same thing to both sides of the = sign.

4. Draw a line, do math, write variable = a number!

Follow the video to solve these the algebra way:

$$\begin{array}{r} \textcircled{7} + x = 15 \\ -7 \quad -7 \\ \hline x = 8 \end{array}$$

$$\begin{array}{r} 7 = \textcircled{-3} + y \\ +3 \quad +3 \\ \hline 10 = y \end{array}$$

$$\begin{array}{r} \textcircled{4}z = \frac{32}{4} \\ \frac{4}{4} \quad \frac{4}{4} \\ \hline z = 8 \end{array}$$

$$\begin{array}{r} -9 \cdot \frac{a}{\textcircled{-9}} = 8 \cdot -9 \\ \hline a = -72 \end{array}$$