Math 9 Ch 6 Level 1: 1-Step Algebra

Name:

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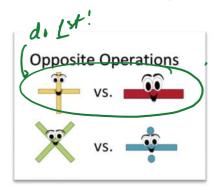
Algebra Rules!

- 1. Your goal is to get x alone on 1 side of "=".

 2. Whatever you do to 1 side of the "=" sign, you do Sam operation

 on the OTHER side of "=".

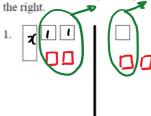
 3. Always do +, before x, -

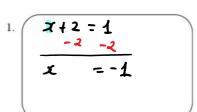


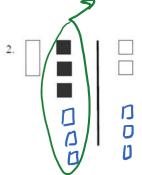
Do the same thing on each side of

Addition/Subtraction One-Step Equations With Algebra Tiles

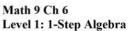
Isolate the "x" tile by adding the necessary tiles to each side. Show the algebraic steps in the space on





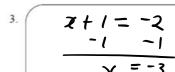


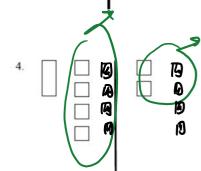
$$2. \begin{array}{c} \chi + -3 = 2 \\ +3 + 3 \end{array}$$





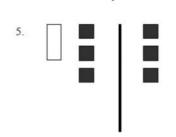
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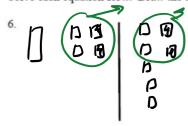
[3]

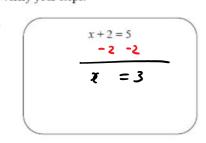
$$\begin{array}{c|c} x+4=2 & x+4-2 \\ \hline -4-4 & x \end{array}$$



$$\begin{array}{ccc}
\chi & -3 &= & -3 \\
 & +3 & +3 \\
\hline
\chi & = 0
\end{array}$$

Solve each equation for x. Draw the tiles necessary to verify your steps.

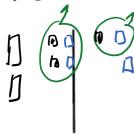




Math 9 Ch 6

Level 1: 1-Step Algebra



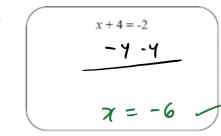


$$x + (-2) = -1$$

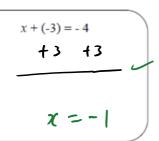
$$+2 + 2$$

$$x = 1$$

8.



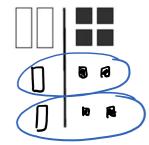
9.

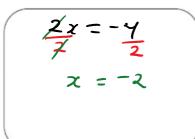


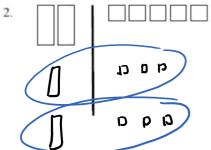
Multiplication/Division One-Step Equations With Algebra Tiles

Isolate the "x" tile in each problem. Show the algebraic steps in the space on the right.

1.

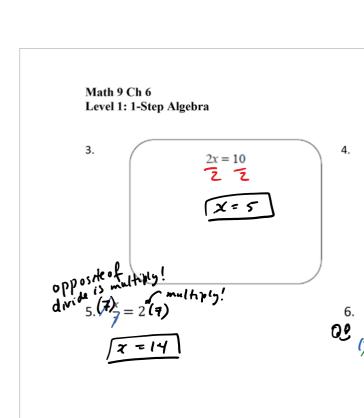




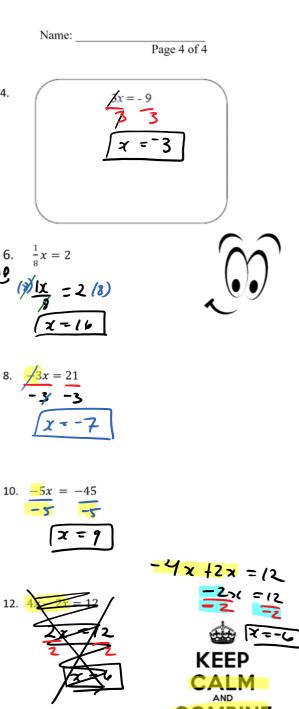


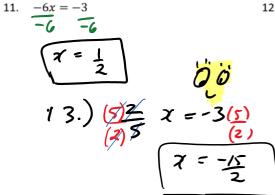
$$\frac{2}{7} = \frac{6}{2}$$

$$x = 3$$



7. $\frac{1}{3}x = -8$





12.

