

## Solving Equations

Objective: Students will be able to solve one-step, two-step, and multi-step equations.

## *One-Step Equations*

Goal: To get the variable by itself.

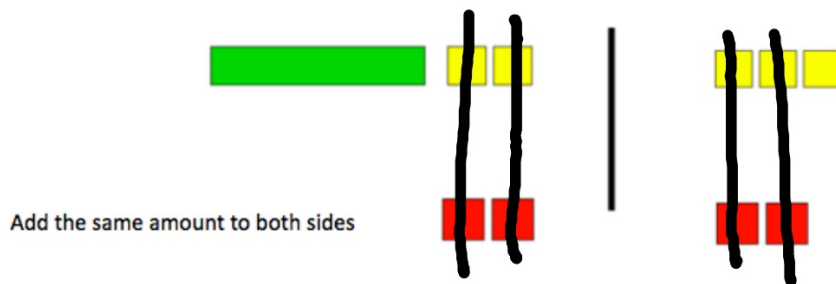
\*\*\*Remember, when using Algebra Tiles, we are trying to get the long, rectangular piece by itself.



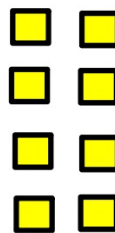
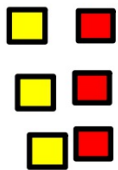
We will always  
end with a green  
tile.

Use algebra tiles to find value of X

$$X + 2 = 3$$



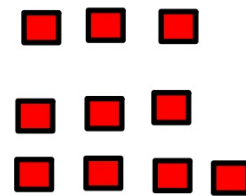
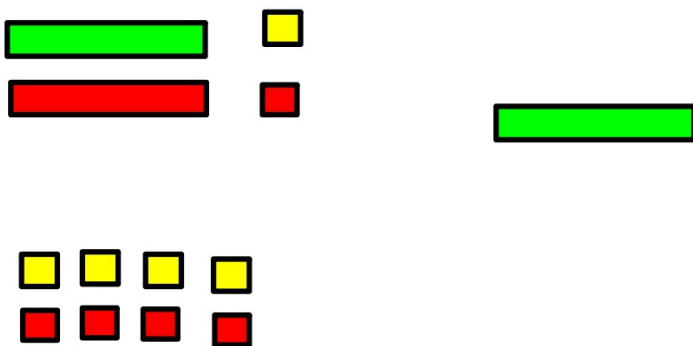
Use algebra tiles to solve:  $x - 3 = 5$



$$x = 8$$

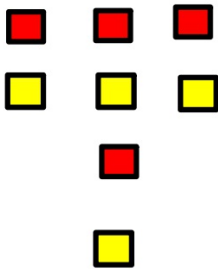
Use algebra tiles to solve:

$$x + 4 = -6$$



$$x = -10$$

Use algebra tiles to solve:  $x - 3 = -1$



$x = 2$

Assignment:

Complete the following problems on the One-Step Equations Worksheet

Problem Numbers 1-10 all, 23, 25, 26, 28-30