

Name \_\_\_\_\_

Date \_\_\_\_\_

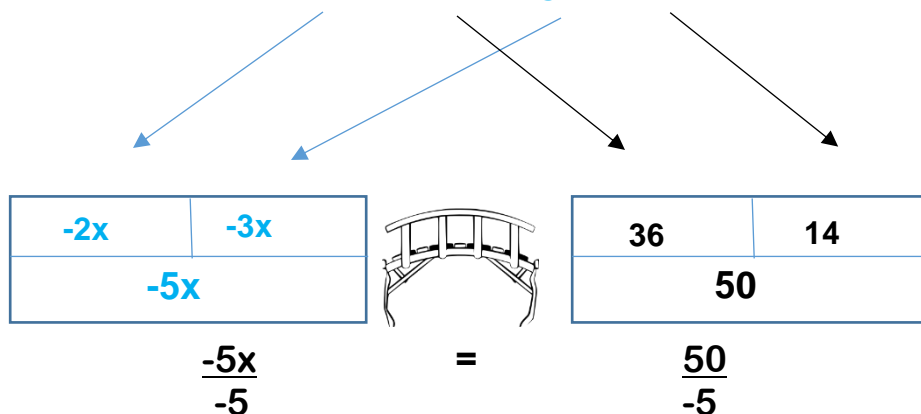


# Solving Multi-Step Equations

$$\textcircled{-3}(2x + 8) + 4x - 12 = 3(x + 4) + 2$$

$$-6x - 24 + 4x - 12 = 3x + 12 + 2$$

$$-2x - 36 = 3x + 14$$



$$x = -10$$

## Clean-Up

1. Distribute. *Make sure the - comes with the three*
2. Combine Like Terms. *Work on just one side of the river at a time.*
3. Cross the river (bridge).  
\*Only when moving the whole term  
\*Sign changes if crossing the bridge  
(justification: addition or subtraction POE)
4. Solve (multiply or divide)