

Warm Up. Solve and check the equation shown below.

$$\begin{array}{r}
 \begin{array}{c} \text{variables} \quad \text{\#s} \\ \curvearrowright \quad \quad \quad \curvearrowright \\ 5(x-2) = 2(10+x) \end{array} \\
 5x - 10 = 20 + 2x \\
 \begin{array}{r} -2x \quad \quad \quad -2x \\ \hline 3x - 10 = 20 \\ \begin{array}{r} +10 \quad \quad \quad +10 \\ \hline 3x = 30 \\ \begin{array}{r} \cancel{3} \quad \quad \quad \cancel{3} \\ \hline x = 10 \end{array} \end{array}
 \end{array}$$



**MATH FUN**  
(PLAY AND LEARN)



One More Example

$$3(x+1) - 5x = 12 - (6x - 7)$$

$$\begin{array}{r} \textcircled{3x} + 3 - \textcircled{5x} = 12 - \textcircled{6x} + 7 \\ -2x + 3 = 12 - \textcircled{6x} + 7 \\ +6x \qquad \qquad \qquad +6x \\ \hline 4x + 3 = \textcircled{12 + 7} \\ 4x + 3 = 19 \\ -3 \quad -3 \\ \hline 4x = 16 \\ \frac{4x}{4} = \frac{16}{4} \\ \textcircled{x = 4} \end{array}$$

Solving w/ Variables on Both Sides  
Scavenger Hunt

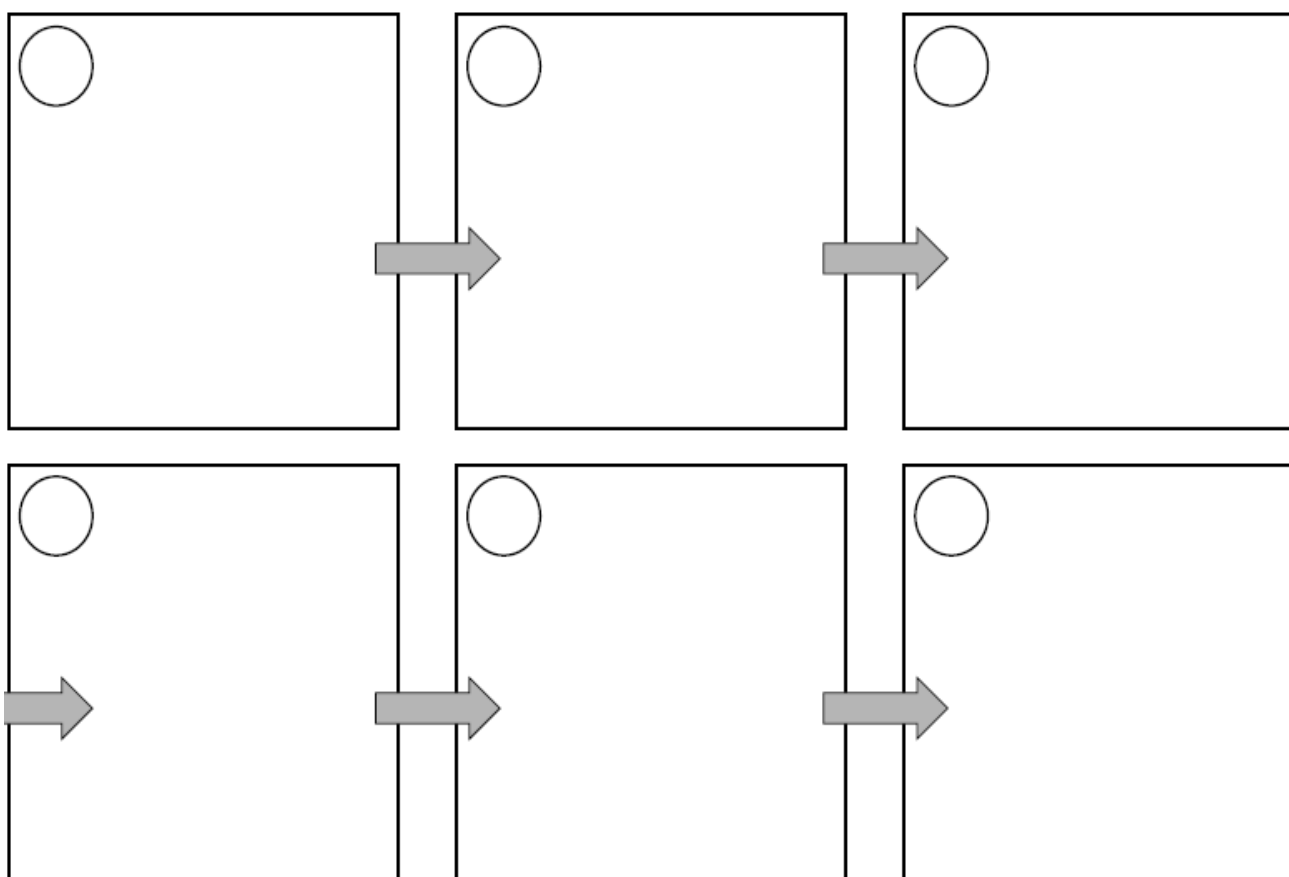


## SCAVENGER HUNT!

- 1) Find a partner
- 2) You may start on any card (but don't crowd around the same station)
- 3) Solve the equation, then search for the answer on a different card
- 4) Continue this process until you have returned to your original card
- 5) Record all answers and work in the space below

Multi-Step Equations Maze

Name \_\_\_\_\_



Multi-Step Equations Maze

