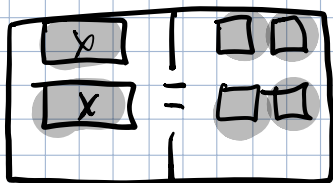
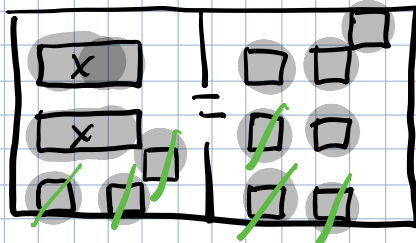


10/20/18

Be able to solve two-step equations.

$$2x + 3 = 7$$



$$x = 2$$

check

$$7 = 7$$

$$\begin{array}{r} 2x + 3 = 7 \\ -3 \quad -3 \\ \hline \end{array}$$

$$\frac{2x}{2} = \frac{4}{2}$$

$$x = 2$$

check

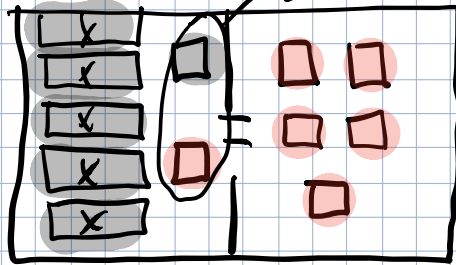
$$\begin{array}{l} 2(2) + 3 = 7 \\ 7 = 7 \end{array}$$

Inverse operations

Addition  $\leftrightarrow$  Subtraction

Multiplication  $\leftrightarrow$  Division

$$5x + 1 = -4$$



$$5x = -5$$

$$x = -1$$

check

$$-4 = -4$$

$$\begin{array}{r} 5x + 1 = -4 \\ -1 \quad -1 \\ \hline \end{array}$$

$$\begin{array}{r} 5x = -5 \\ \hline \end{array}$$

$$x = -1$$

check

$$5(-1) + 1 = -4$$

$$-5 + 1 = -4$$

$$-4 = -4$$