

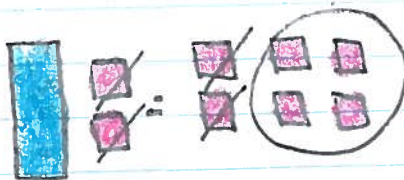
Solving Add + Subtract Equations

$$x = \text{blue bar}$$

$$\text{pink square} = 1$$

- * You need to keep it balanced!
 - what you do to one side you need to do to the other.
- * Isolate the variable = make the variable by itself
- * Use inverse or opposite operation

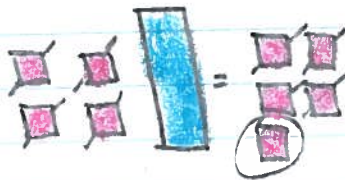
$$\begin{array}{r} x + 2 = 6 \\ -2 \quad -2 \\ \hline x = 4 \end{array}$$



check

$$\begin{aligned} x + 2 &= 6 \\ (4) + 2 &= 6 \\ 6 &= 6 \\ &\checkmark \end{aligned}$$

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



$$\begin{aligned} 4 + x &= 5 \\ 4 + (1) &= 5 \\ 5 &= 5 \end{aligned}$$

$$\begin{array}{r} x + 2 = -4 \\ -2 \quad -2 \\ \hline x = -6 \end{array}$$

-4 - 2
same signs!
add + keep

$$\begin{aligned} x + 2 &= -4 \\ (-6) + 2 &= -4 \\ -4 &= -4 \\ &\checkmark \end{aligned}$$

$$\begin{array}{r} x + 5 = 3 \\ -5 \quad -5 \\ \hline x = -2 \end{array}$$

$$\begin{aligned} +3 - 5 \\ = -2 \end{aligned}$$

$$\begin{aligned} x + 5 &= 3 \\ (-2) + 5 &= 3 \\ 3 &= 3 \\ &\checkmark \end{aligned}$$