

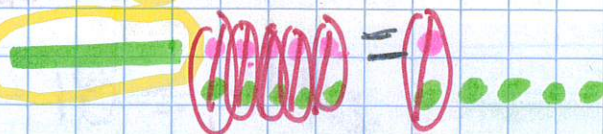
### 3.3 Solving Equations by Adding / Subtracting (10/21)

- E.Q. Solve an equation by doing the OPPOSITE OPERATION.

Ex. 1

w/model

$$x - 5 = -1$$



$$x = 4$$

$$x = +4$$

w/out model

$$x - 5 = -1$$

$$+5 \quad +5$$

$$x = +4$$

Ex. 2

$$-\frac{1}{12} = x + \frac{5}{6}$$

$$-\frac{10}{12} - \frac{2}{2} = \left(-\frac{5}{6}\right)$$

$$-\frac{1}{12} = \frac{10}{12} = -\frac{11}{12}$$

$$x = -\frac{11}{12}$$

Ex. 3

$P$  = last week's profit

$\$750$  = this week's profit

This week's profit is  $\$900$  more than last week's profit.