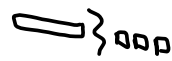
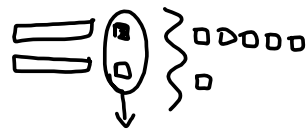


Solving Equations of the Form:  $ax+b=c$

Solve using ALGEBRA TILES:

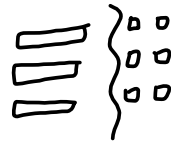
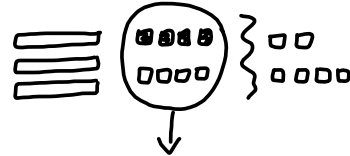
□ positive  
■ negative

ex(1):  $2x - 1 = 5$



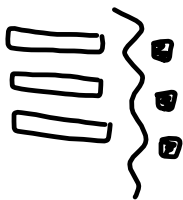
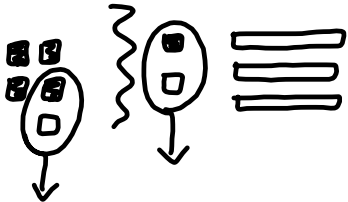
$x=3$

ex(2):  $3x - 4 = 2$



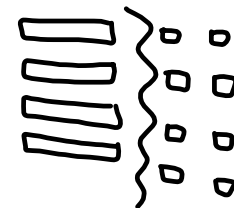
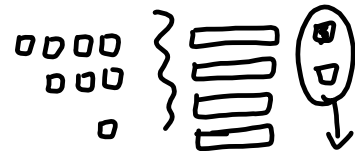
$x=2$

ex(3):  $-4 = -1 + 3x$



$x=-1$

ex(4):  $7 = 4x - 1$



$x=2$

Check:  
 $7 = 4x - 1$   
 $4(2) - 1$   
 $8 - 1$   
 $7$

☺

Solve using ALGEBRA:

$$\underline{\text{ex(5)}}: 5x - 16 = -1$$

$$\frac{5x}{5} = \frac{15}{5}$$

$$1x = x$$

$$\boxed{x=3}$$

$$\underline{\text{ex(6)}}: 4x + 5 = 25$$

$$\frac{4x}{4} = \frac{20}{4}$$

$$\boxed{x=5}$$

$$\underline{\text{ex(7)}}: 34 = 7 + 3x$$

$$\frac{27}{3} = \frac{3x}{3}$$

$$\boxed{x=9}$$

$$\underline{\text{ex(8)}}: 8 + 6x = 56$$

$$\frac{6x}{6} = \frac{48}{6}$$

$$\boxed{x=8}$$