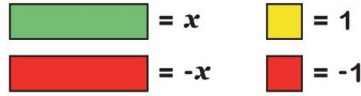
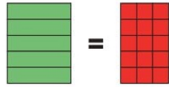
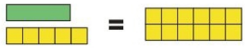


Here are the algebra tiles we will be using:



### Section A

1) Match each diagram to the correct equation.



$3x = 15$

$x + 5 = 12$

$5x = -15$

$x - 5 = 12$

2) Draw algebra tiles to represent each equation.

$x + 4 = 11$

$-10 = 2x$

$-5 + x = 1$

### Section B Solve each equation using the algebra tiles.

**Example**  $3 + x = 9$

$x = 6$

$4 + x = 9$

$x = \underline{\hspace{2cm}}$

$x + 4 = 5$

$x = \underline{\hspace{2cm}}$

$x - 5 = 11$

$x = \underline{\hspace{2cm}}$

$12 = 3x$

$x = \underline{\hspace{2cm}}$

$2x = 14$

$x = \underline{\hspace{2cm}}$

$-7 + x = 1$

$x = \underline{\hspace{2cm}}$

$-16 = 4x$

$x = \underline{\hspace{2cm}}$

$5 = 8 - x$

$x = \underline{\hspace{2cm}}$