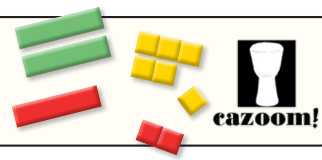
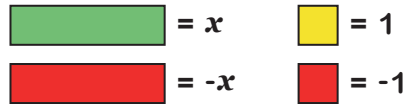


Solving Equations with Unknowns on Both Sides - Using Algebra Tiles



Here are the algebra tiles we will be using:

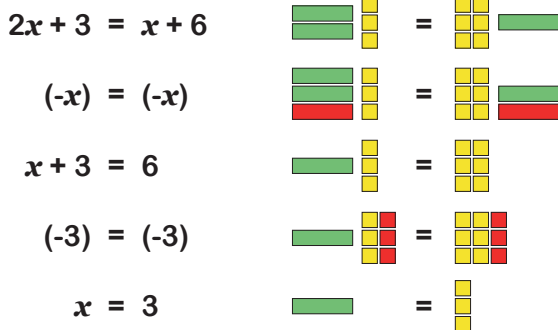


ANSWERS

Section A

Solve each equation using the algebra tiles. Write out the equation of each image as you go.

Example



$x = 3$



$x = 9$



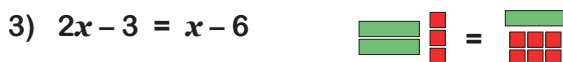
$x = 1$



$x = -9$



$x = -3$

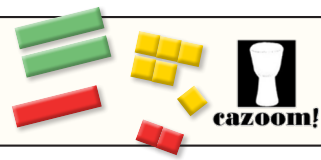


$x = -3$



$x = 3$

Solving Equations with Unknowns on Both Sides - Using Algebra Tiles



ANSWERS

Section B

Solve each equation using the algebra tiles.
Write out the equation of each image as you go.

1) $x + 9 = 3x + 3$

$x = 3$

5) $2x - 5 = 4 - x$

$x = 3$

2) $3x + 12 = 6x + 3$

$x = 3$

6) $7 - 5x = 4 - 2x$

$x = 1$

3) $7x - 3 = 5 + 5x$

$x = 4$

7) $10 - 6x = -3x - 8$

$x = 6$

4) $7x - 2 = 3x - 10$

$x = -2$

8) $-1 - 6x = -11 - 8x$

$x = -5$