

Solving Multi-Step Equations

Materials: equation mats, algebra tiles

Model

Use algebra tiles to solve each equation.

1. 2x - 3 = -9 **2.** 3x + 5 = 14

3.
$$3x - 2 = 10$$
 4. $-8 = 2x + 4$

5. 3 + 4x = 11 **6.** 2x + 7 = 1

7.
$$9 = 4x - 7$$
 8. $7 + 3x = -8$

Make a Conjecture

9. What steps would you use to solve 7x - 12 = -61?