

Reteaching 2-1

Solving One-Step Equations

OBJECTIVE: Solving one-step equations

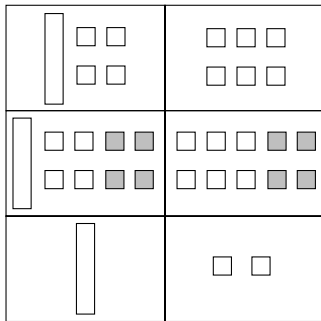
MATERIALS: Tiles

As you model an equation with tiles, ask yourself what operation has been performed on the variable. With the tiles, perform the inverse operation on each side of the equation. Simplify by removing zero pairs.

Examples

Model each equation with tiles and solve.

1. $x + 4 = 6$



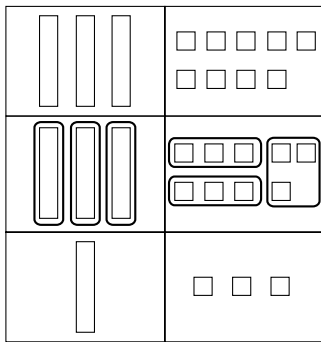
$x = 2$

← **Model the equation with tiles.**

← **Subtract 4 from each side of the equation.**

← **Simplify by removing zero pairs.**

2. $3x = 9$



$x = 3$

← **Model the equation with tiles.**

← **Divide each side into three identical groups.**

← **Solve for x .**

Exercises

Model each equation with tiles and solve.

1. $x + 3 = 10$

2. $y - 4 = 2$

3. $-6 = 3y$

4. $2x = 6$

5. $y + 1 = 4$

6. $5y = 10$

7. $x - 5 = 4$

8. $12 = 4x$

9. $x + 4 = 2$

Solve.

10. $17 = -8 + x$

11. $-0.5 = \frac{d}{4}$

12. $0.8 = \frac{a}{5}$

13. $5.2 + h = 0.3$

14. $14 = x + 7$

15. $6x = 15$