

**Your Turn**Solve each equation to find the value of  $x$ .

1.  $x - 4 = 3$

$x = 7$

2.  $x + 15 = 41$

$x = 26$

3.  $x + 7 = 12$

$x = 5$

4.  $6x = 24$

$x = 4$

5.  $7x = 56$

$x = 8$

6.  $16x = 80$

$x = 5$

7.  $\frac{x}{3} = 2$

$x = 6$

8.  $\frac{x}{5} = 20$

$x = 100$

Solve each of the two-step equations:

1.  $4x - 3 = 17$

$4x = 20$

$x = 5$

2.  $5x + 4 = 19$

$5x = 15$

$x = 3$

3.  $2x - 1 = 7$

$2x = 8$

$x = 4$

4.  $2t + 3 = 10$

$2t = 7$

$t = 3.5$

5.  $10d - 7 = 33$

$10d = 40$

$d = 4$

6.  $3x - 5 = 4$

$3x = 9$

$x = 3$

7.  $2y - 5 = 9$

$2y = 14$

$y = 7$

8.  $2a - 10 = -6$

$2a = 4$

$a = 2$

**Challenge**Solve each equation to find the value of  $x$ .

$4(x + 2) = 20$

$4x + 8 = 20$

$4x = 12$

$x = 3$

$3\frac{1}{2}x + 1 = 8$

$3\frac{1}{2}x = 3.5x$

$3.5x + 1 = 8$

$3.5x = 7$

$x = 2$