

# 2-1 Homework Practice

## Solving One-Step Equations with Rationals

Solve each equation using addition or subtraction. Check your answer.

1.  $6 = p - 8$

2.  $z + 5 = 4$

3.  $m - 4 = 12$

4.  $-10 = h - 4$

5.  $n + 14 = -5$

6.  $2 = a + 7$

Solve each equation using multiplication or division. Check your answer.

7.  $4t = -32$

8.  $-25 = -5x$

9.  $-3.2k = 16$

10.  $2.8r = 16.8$

11.  $\frac{m}{7} = 4$

12.  $25 = \frac{z}{-4}$

Solve each equation. Check your answer.

13.  $\frac{3}{4}b = 15$

14.  $-8 = \frac{2}{5}t$

15.  $\frac{9}{10}y = -36$

16.  $\frac{1}{2}m = \frac{6}{11}$

Define a variable and write an equation for each situation. Then solve.

17. Sheree is 4 times as old as Benjamin. If Sheree is 72 years old, how old is Benjamin

Solve each equation. Check your answer.

18.  $-8h = 26$

19.  $-\frac{3}{5} = \frac{1}{10} + q$

20.  $n + 3\frac{2}{3} = 5\frac{7}{9}$

21.  $-9w = 6.3$