

CHAPTER
2 **At-Home Practice**
Equations with Rational Numbers

Evaluate each expression for the given value of the variable.

1. $\frac{3.1}{x}$ for $x = 0.2$

2. $x \div \frac{7}{9}$ for $x = 2\frac{4}{9}$

3. $\frac{5.4}{x}$ for $x = 1.5$

Solve.

4. $x - 18.5 = -32$

5. $\frac{x}{11.4} = 3$

6. $x - 3.62 = 7.18$

7. $\frac{3}{10}x = \frac{4}{15}$

Solve. Check each answer.

8. $4x - 7 = 17$

9. $\frac{h}{6} - 11 = -14$

10. $2y - 14 = 24$

11. $19 = 7 - 3x$

12. $1 - 2k = -9$

13. $5 + \frac{m}{3} = 1$

Answers: 1. 15.5 2. $3\frac{1}{7}$ 3. 3.6 4. $x = -13.5$ 5. $x = 34.2$ 6. $x = 10.8$ 7. $x = \frac{6}{8}$ 8. $x = 6$ 9. $h = -18$ 10. $y = 19$ 11. $x = -4$ 12. $k = 5$ 13. $m = -12$

