

Module: Solving Linear Equations
Lesson: Solving Equations with
Multiplication and Division

Name:
Date:
Period:

Classwork: Solve each equation. Then check your solution.

1. $5x = -45$

2. $-3y = 51$

3. $434 = -31y$

4. $7x = 49$

5. $-8y = -64$

6. $\frac{h}{10} = -25$

7. $\frac{2}{5}t = -10$

8. $-\frac{13}{5}y = -26$

9. $\left(-4\frac{1}{2}\right)x = 36$

Define a variable, write an equation, and solve each problem.

10. Negative twelve times a number is -156. What is the number?

11. Four thirds of a number is 20. What is the number?

Complete.

12. If $3x = 15$, then $9x = \underline{\hspace{2cm}}$.

13. If $2a = -10$, then $-6a = \underline{\hspace{2cm}}$.