

Module: Solving Linear Inequalities
Lesson: Solving Inequalities by Using
Multiplication and Division

Name:
Date:
Period:

Classwork: Solve each inequality. Then check your solution.

1. $12b > -144$

2. $-x \leq 44$

3. $-102 > 17r$

4. $\frac{t}{13} < 13$

5. $1.6 \leq 0.8g$

6. $-49 \leq 7x$

7. $-\frac{1}{3}x > 9$

8. $\frac{-3m}{4} \leq 18$

Define a variable, write an inequality, and solve each problem. Then check your solution.

9. Thirty-six is at least one half of a number.

10. Three fourths of a number is at most -24.