

PracticeStudent Edition
Pages 399–404**Solving Multi-Step Inequalities***Solve each inequality. Then check your solution.*

1. $7a - 5 < 9$

2. $6 - 11b \leq -3$

3. $15 < 5 - 8c$

4. $\frac{d}{6} - 16 < -9$

5. $\frac{e}{-4} + 8 \leq 1$

6. $-12 \geq \frac{r}{8} - 5$

7. $\frac{5s}{6} + 7 > -3$

8. $5 \geq \frac{3x}{4} + 12$

9. $-3 - \frac{k}{5} \geq -10$

10. $15 > \frac{2m}{3} - 1$

11. $\frac{t+3}{2} < -8$

12. $\frac{3x-1}{6} < 2$

13. $4n - 6 > 6n - 20$

14. $2.4x + 13 \leq 5x$

15. $5p - 3(p - 6) \leq 0$

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

16. The sum of a number and 81 is greater than the product of
- -3
- and that number.

17. Four more than the quotient of a number and 3 is at least that number.