

Practice 6-6

Solving One-Step Inequalities

Solve each inequality.

1. $x - 5 < 15$

2. $m + 7 \geq 12$

3. $g - (-4) \geq 0$

4. $-6 > b - 24$

5. $q + 9 < 60$

6. $h + (-1) > -1$

Write an inequality for each sentence. Then solve the inequality.

7. Five is greater than a number minus 2. _____

8. Twenty is less than or equal to a number plus 4. _____

9. A number minus 5 is greater than 25. _____

Write an inequality for each problem. Then solve the inequality.

10. You and the chess teacher have been playing chess for 18 minutes. To make the chess club, you must win the game in less than 45 minutes. How much time do you have to win the chess game?

11. Your phone card allows you to talk long distance for up to 120 minutes. You have been on a long-distance call for 72 minutes. How much longer do you have to talk before your phone card expires?

Solve each inequality mentally.

12. $x - 28 < 108$

13. $s - 18 \geq 12$

14. $g + 12 > 20$

15. $k - 4 \geq 25$
