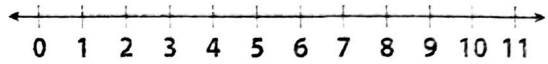


# Writing and Solving One-Step Inequalities

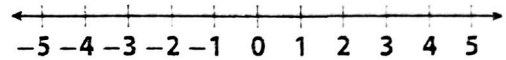
## Practice and Problem Solving: A/B

Solve each inequality. Graph and check the solution.

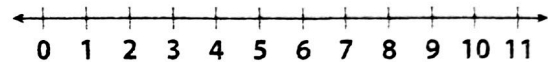
1.  $\frac{e}{2} < 3$  \_\_\_\_\_



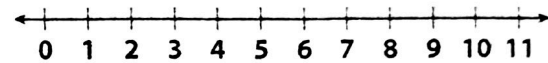
2.  $n - 1 > 3$  \_\_\_\_\_



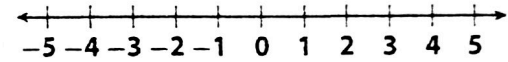
3.  $5 < 3 + w$  \_\_\_\_\_



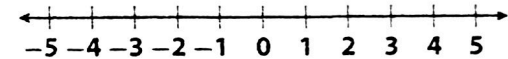
4.  $8 \leq 2m$  \_\_\_\_\_



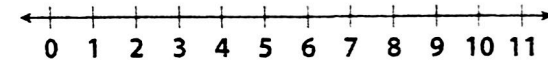
5.  $r - 4 < 1$  \_\_\_\_\_



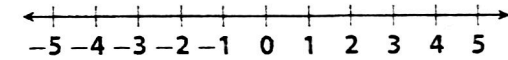
6.  $2 \leq -1t$  \_\_\_\_\_



7.  $2 \geq s - 2$  \_\_\_\_\_



8.  $2 \geq 5 + p$  \_\_\_\_\_



Solve each inequality.

9.  $\frac{1}{5} \leq \frac{x}{15}$  \_\_\_\_\_

10.  $9 > -r$  \_\_\_\_\_

11.  $-2 + b < 3$  \_\_\_\_\_

12.  $70 - a \geq 25$  \_\_\_\_\_

Write an inequality for each problem. Then solve.

13. Arthur earned \$136 in three weeks. He goes back to school in one more week. He needs at least \$189 to buy the new coat that he wants for school. How much must Arthur earn in the next week?

\_\_\_\_\_

14. Marna is playing a game where you score -5 points each time you guess the correct answer. The goal is to get the lowest score. To win the game, Marna must have a score less than -80 points. How many correct answers does Marna need to win the game?

\_\_\_\_\_

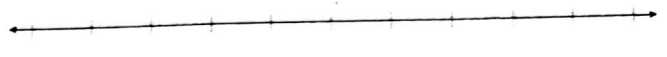
**LESSON**  
**7-1**

# Writing and Solving One-Step Inequalities

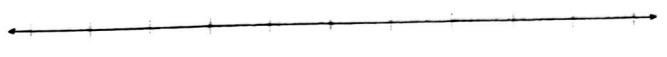
## Practice and Problem Solving: C

Solve each inequality. Graph and check the solution.

1.  $-3.2a \leq 8$  \_\_\_\_\_



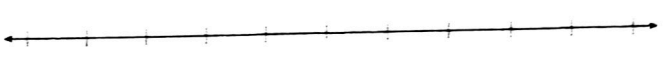
2.  $2 > n + 0.8$  \_\_\_\_\_



3.  $b - 4.2 \geq -5$  \_\_\_\_\_



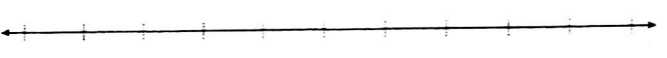
4.  $\frac{e}{2} < -0.5$  \_\_\_\_\_



5.  $5.1 - r \geq 5$  \_\_\_\_\_



6.  $-1.44 \leq -1.8y$  \_\_\_\_\_



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

7. Ashley took \$20 out of her savings account each week on Friday. How many weeks ago did she have at least \$250 in her account?

\_\_\_\_\_

8. A cube has a volume of greater than  $125 \text{ cm}^3$ . What are the possible lengths of the side of that cube?

\_\_\_\_\_

9. A treasure chest sinks at a rate no less than 20 feet per second. The floor of the ocean is at most at  $-4,200$  feet. Will the treasure chest reach the ocean floor in less than 3 minutes? Explain.

\_\_\_\_\_