

**Chapter
11**

Quiz

For use after Section 11.4

Solve the inequality. Graph the solution.

1. $4c < 28$



2. $\frac{x}{-2} > 4$



3. $-15y \leq -45$



4. $-1.2b \geq 4.8$



Write the word sentence as an inequality. Then solve the inequality.

5. The product of a number and -5 is at least 35.

6. A number divided by 3 is no more than 12.

Solve the inequality. Graph the solution.

7. $3t - 1 < 8$



8. $1.6w + 1.7 \geq 4.9$



9. $-\frac{k}{4} - 5 \leq -2$



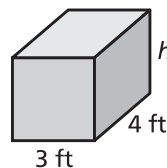
10. $\frac{x}{3} + \frac{2}{3} > \frac{1}{6}$



11. You need to score at least 1500 points on your new video game to obtain the high score. You get 300 points after completing each level. Write and solve an inequality to find the number of levels you must beat in order to obtain the high score.

12. A baseball team has 30 players. They need to make cuts so that there are at most 25 baseball players on the team. Write and solve an inequality to find the number of players that must be cut from the team.

13. The volume of the rectangular prism must be at least 36 cubic feet. Write and solve an inequality that represents the value of h .



Answers

1. _____

See left.

2. _____

See left.

3. _____

See left.

4. _____

See left.

5. _____

6. _____

7. _____

8. _____

9. _____

See left.

10. _____

See left.

11. _____

See left.

12. _____

See left.

13. _____
