

**Lesson**  
**3.8****Extra Practice****Solve the inequality. Graph the solution.**

1.  $8x > 8$
2.  $\frac{r}{5} \leq 2$
3.  $-32 > 1.6h$
4.  $\frac{u}{8} \geq 2.1$
5.  $1.5j < -6.6$
6.  $-\frac{3}{2} < 3x$
7.  $-2p \geq 10$
8.  $-2 > \frac{v}{-3}$
9.  $\frac{g}{-3.2} > 4$
10.  $-\frac{y}{3} \leq 1.4$
11.  $-12 > -9h$
12.  $\frac{a}{-3.5} \leq -1.7$

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

13. Five times a number is not less than 15.
14. The quotient of a number and 4 is less than  $-1$ .
15. An SUV averages 16.5 miles per gallon. The maximum average number of miles that can be driven on a full tank of gas is 363 miles. Write and solve an inequality that represents the number of gallons in a tank.
16. You are creating a decorative rope that is at least 20 feet long.
  - a. To create the rope you are using beads that are 6 inches long. Write and solve an inequality that represents the number of beads that you can use.
  - b. You do not have enough 6-inch beads to make the rope, so you will use 10-inch beads instead. Write and solve an inequality that represents the number of 10-inch beads that you can use.