

4.3 Practice A

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. $-\frac{3}{2} < 3x$

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

7. Five times a number is not less than 15.

8. The quotient of a number and 4 is less than -1 .

9. 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.

Solve the inequality. Graph the solution.

10. $-2p \geq 10$

11. $-2 > \frac{v}{-3}$

12. $\frac{g}{-3.2} > 4$

13. $-\frac{y}{3} \leq 1.4$

14. $-12 > -9h$

15. $\frac{a}{-3.5} \leq -1.7$

16. You are creating a decorative rope that is at least 20 feet long.

- 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.
- 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.