

Multiplication and Division Inequalities

Warmup

1. Solve for t:

$$5t = 65$$

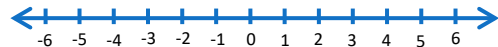
2. Solve for p:

$$\frac{p}{4} = 36$$

3. What percent of 90 is 40.5?

4. Solve for r, then graph the solution.

$$R+7 \leq 11$$



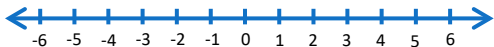
Multiplication and Division Inequalities

- I. Solve and Graph Multiplication Inequalities
- II. Solve and Graph Division Inequalities

I. Solve Multiplication Inequalities

Solve and Graph:

$$2h \geq 8$$

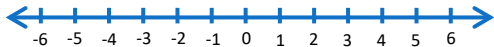


To solve multiplication Inequality

1. Divide both sides by the same amount.
2. Simplify
3. Use a test variable to check the answer.

5. Solve and Graph:

$$5.5t > 11$$



6.



II. Solve Division Inequalities

Solve and Graph:

$$\frac{s}{4} \geq 8$$

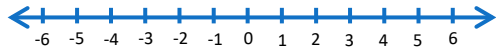


To solve division Inequality

1. Multiply both sides by the same amount.
2. Simplify
3. Use a test variable to check the answer.

7. Solve and Graph:

$$\frac{m}{3} > 2$$



8.



31. Start at the blue dot. Draw a square such that each side of the square is 6 steps long. The tip of your **pencil can not** come off the paper. Write the directions for drawing the square. You may use the following 'commands':

The arrow on the dot shows the direction the pencil can travel. It is facing to the right here. ➡ It can only travel to the right. (until it is turned)

To make the pencil move forward _____ squares use: **Move _____ steps**

To turn, determine if you want to go left or right, and how many degrees.

To turn left: **Turn Left _____ degrees**

To turn right: **Turn Right _____ degrees**

The first step is shown in purple.

The second step is started.

Directions:

Move 6 steps

Turn Right _____ degrees



[illegible]