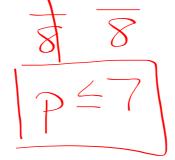
Solving Algebraic Inequalities Using Multiplication and Division

Clear Learning Target

You will be able to solve algebraic inequalities using multiplication and division properties.

Example #1:

Solve the inequality. 8p ≤ 56



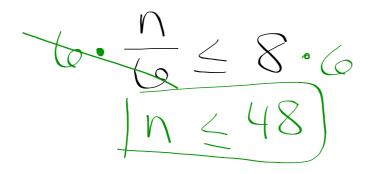
You Try!

Solve the inequality: 12k ≥ 60

K25

Example #2:

Solve the inequality. n/6 ≤ 8



You Try!

Solve the inequality: $m/_5 > -3$

$$\frac{9}{5} > -3$$

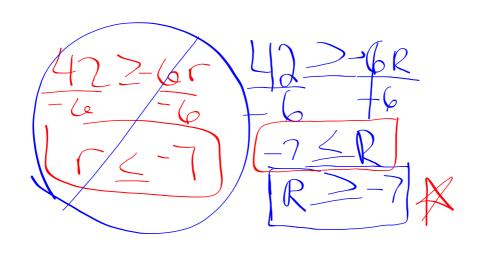
Example #3:

Solve the inequality. 7d ≤ 147

AT: When we multiply/divide to both sides by a negative number, we must flip the Inequality symbol!

You Try!

Solve the inequality: $42 \ge -6r$



Exit Ticket

Solve and graph the following inequality for the variable.

2. Taro and Jamie are solving **6d** ≥ **-84**. Who made the mistake, and what was it?

Jamie
$$6d \ge -84$$

$$\frac{6d}{6} \le \frac{-84}{6}$$