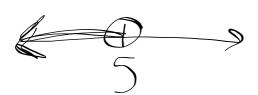
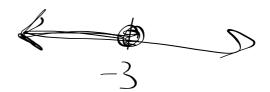
Warm-Up

Graph the following inequalities:

1. x < 5

3. p ≤ -3



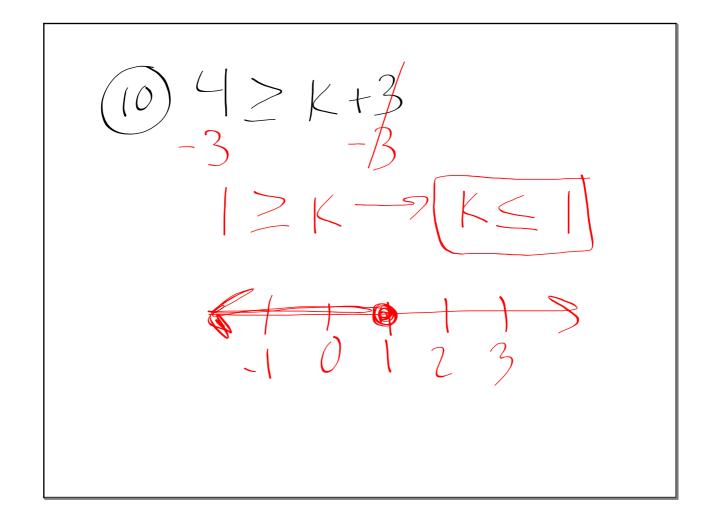


2. $m \ge 12$

4. a > 8





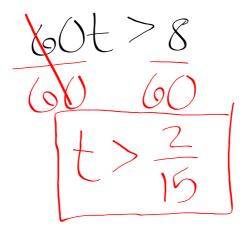


Solving Multi-Step Inequalities

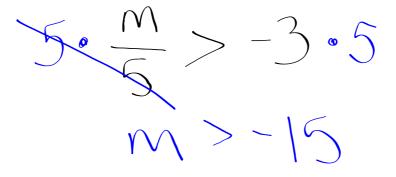
Clear Learning Target

You will be able to solve one-, two-, and multi-step inequalities using properties of inequalities.

Example #1: Solve the inequality. 60t > 8



You Try! Solve the inequality. m/5 > -3



Example #2: Solve the inequality. -7d ≤ 147

$$\frac{17d}{-7} \leq \frac{147}{-7}$$

$$0 \leq -21$$

If we divide/multiply both sides by a negative number, we must switch the inequality!

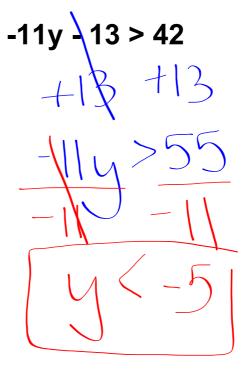
You Try! Solve the inequality. -12h > 15

$$\frac{12h>15}{-18}$$

$$\frac{-12}{-12}$$

$$\frac{1-12}{4} = \frac{-5}{4} = -1.25$$

Example #3: Solve the inequality.



You Try! Solve the inequality.

$$4(3t - 5) > 16$$
 $(2t - 20 > 16)$
 $(2t > 36)$
 $(3t - 36)$
 $(3t - 4)$
 $(3t -$



