

January 8, 2015

5th
6th

STARTER



Solve each inequality for the given variable.

$$1. \frac{4c}{4} < \frac{-12}{4}$$

$$c < -3$$

$$2. \frac{-5v}{-5} \leq \frac{-10}{-5}$$

$$v \geq 2$$

$$3. \frac{8}{-2} > \frac{-2d}{-2}$$

$$-4 < d$$

$$d > -4$$

1/8 - Solving Any One-Step Inequality

To solve INEQUALITIES:

1. Find the center
2. Find the variable
3. UNDO the number with the variable
4. Move the variable to the LEFT side

$$\begin{aligned} 5. -4 &\leq \frac{h}{5} \cdot 5 \\ -20 &\leq h \\ h &\geq -20 \end{aligned}$$

$$\begin{aligned} -6 + k &> -11 \\ +6 &\quad +6 \\ k &> -5 \\ -4 &< 12 \\ \frac{-4}{-2} &\quad \frac{12}{-2} \\ 2 &> -6 \end{aligned}$$

$$\begin{aligned} 24 &< -8b \\ \frac{24}{-8} &\quad \frac{-8b}{-8} \\ -3 &> b \\ b &< -3 \end{aligned}$$

$$-15 < -6 - k$$

$+6$ $+6$

$$\underline{-9} < \underline{-k}$$

$$9 > k$$

$$k < 9$$

Homework

Melon WSA

Due Friday