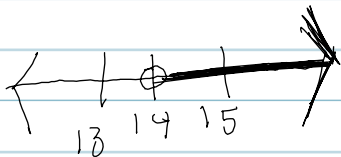


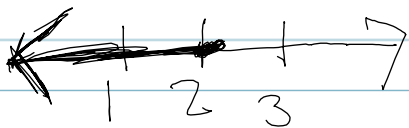
Inequality Notes

$$\begin{array}{r} m+5 > 19 \\ -5 \quad -5 \\ \hline m > 14 \end{array}$$

$$\begin{array}{r} +3 < -5 \\ +3 \quad +3 \\ \hline + < -2 \end{array}$$



$$\begin{array}{r} 5m+2 > 6m \\ -5m \quad -5m \\ \hline 2 > m \end{array}$$



When you multiply or divide by a negative #, you must flip your inequality.

$$\begin{array}{l} \frac{y}{-7} > 12 \\ -7 \left(\frac{y}{-7} > 12 \right) \end{array}$$

$$\begin{array}{r} 12y > 108 \\ \hline 12 \quad 12 \end{array}$$

$$y > -84$$

$$y < -84$$

$$-\frac{5}{2} \left(-\frac{2}{5} \right) x \leq 12 \left(-\frac{5}{2} \right)$$

$$x \leq -30$$

~~$$x \geq -30$$~~

$$y \geq 9$$