

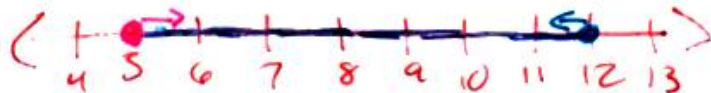
1. Correcting Homework
2. Multi-Step inequalities
3. Compound inequalities

$$12 < 13x$$

$$x \leq 12 \text{ and } x \geq 5$$

$$y \geq 5 \text{ and } y \leq 12$$

$$5 \geq x \leq 12$$



$$-1 < x + 2 < 3$$

$$\begin{array}{r} -1 < x + 2 \\ -2 \quad -2 \end{array}$$

$$-3 < x$$

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

$$x < 1$$

and

$$-3 < x < 1$$



or

$$2a + 1 < 11 \quad \text{or} \quad a > 3a + 2$$

$$\frac{2a}{2} < \frac{10}{2}$$

$$a < 5$$

$$\frac{-2a}{-2} > \frac{2}{-2}$$

$$\text{or} \quad a < -1$$

