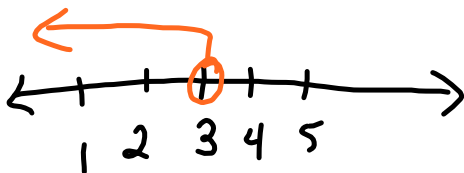


Chap 2 Sec 4

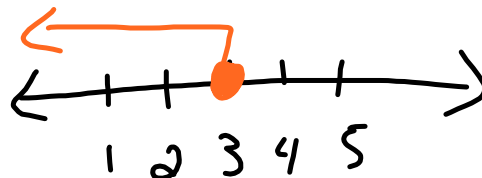
Solving Two Step Inequalities

Pg 19 Softbook

$$\begin{array}{r}
 1) \quad 3m - 7 < 2 \\
 \quad \quad +7 \quad +7 \\
 \hline
 \quad \quad 3m < 9 \\
 \quad \quad \underline{3} \quad \underline{3} \\
 \quad \quad m < 3
 \end{array}$$



$$\begin{array}{r}
 2) \quad -13 \leq -5r + 2 \\
 \quad \quad -2 \quad \quad -2 \\
 \hline
 \quad \quad -15 \leq -5r \\
 \quad \quad \underline{-5} \quad \underline{-5} \\
 \quad \quad 3 \geq r
 \end{array}$$

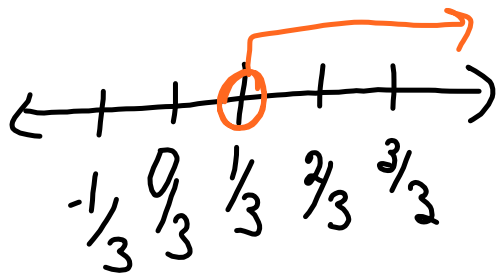


$$3) \quad 2k + \frac{1}{3} > 1 = \frac{3}{3}$$

$$\quad \quad \quad -\frac{1}{3} \quad -\frac{1}{3}$$

$$\frac{2k}{2} > \frac{2}{2}$$

$$k > \frac{1}{3}$$

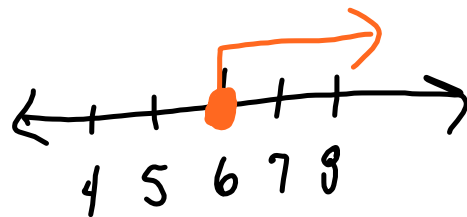


$$* \quad 2 - 2x \leq -9$$

$$\quad \quad \quad -2 \quad \quad \quad -3$$

$$\frac{-2x}{-2} \leq \frac{-12}{-2}$$

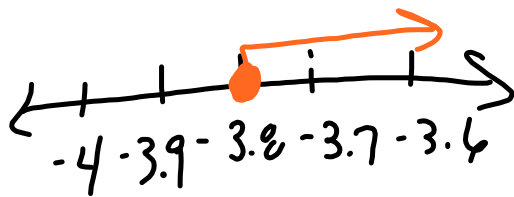
$$x \geq 6$$



$$4) \quad \begin{array}{r} 4.3 - 1.5c \leq 10 \\ -4.3 \quad -4.3 \\ \hline \end{array}$$

$$\begin{array}{r} -1.5c \leq 5.7 \\ -1.5 \quad -1.5 \\ \hline \end{array}$$

$$c \geq -3.8$$

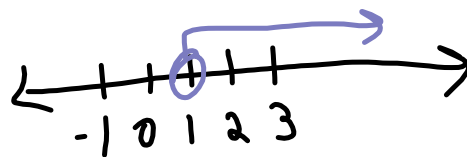


$$5) \quad 2(b-4) > -6$$

$$\begin{array}{r} 2b - 8 > -6 \\ +8 \quad +8 \\ \hline \end{array}$$

$$\begin{array}{r} 2b > 2 \\ 2 \quad 2 \\ \hline \end{array}$$

$$b > 1$$



$$6) -8(p+3) \leq 16$$

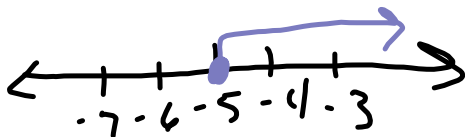
$$-8p - 24 \leq 16$$

$$\frac{+24}{+24} \quad \frac{+24}{+24}$$

$$-8p \leq 40$$

$$\frac{-8}{-8} \quad \frac{-8}{-8}$$

$$p \geq -5$$



$$7) 15 \geq \frac{5}{3}(d-6)$$

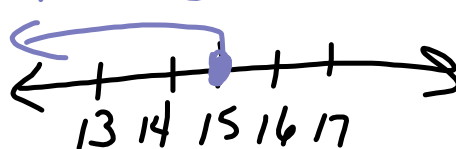
$$15 \geq \frac{5}{3}d - 10$$

$$\frac{+10}{+10} \quad \frac{+10}{+10}$$

$$25 \geq \frac{5}{3}d$$

$$\frac{3}{3} \quad \frac{3}{3}$$

$$15 \geq d$$



8) 2.4