

$$\textcircled{10} \quad -5d + 7 > -38$$

$$\quad \quad \quad -7 \quad \quad -7$$

$$\frac{-5d}{-5} > \frac{-45}{-5}$$

$$\boxed{d < 9}$$

$$\textcircled{14} \quad \frac{k}{5} + 36 \geq 51$$

$$\quad \quad \quad -36 \quad \quad -36$$

$$5 \cdot \frac{k}{5} \geq 15 \cdot 5$$

$$\boxed{k \geq 75}$$

$$\textcircled{16} \quad 5 + 9a < -19$$

$-5$  $-5$

$$\frac{9a}{9} < \frac{-24}{9}$$

$$a < \frac{-24 \div 3}{9 \div 3}$$

$$a < \frac{-8}{3}$$

$$\textcircled{18} \quad \frac{c}{4} + 7 < -6$$

$-7$  $-7$

$$4 \cdot \frac{c}{4} < -13 \cdot 4$$

$$c < -52$$



Solve each inequality.

$$\frac{y}{5} + 3 \geq 6$$

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

$$5 \cdot \frac{y}{5} \geq 3 \cdot 5$$

$$\boxed{y \geq 15}$$

Solve each inequality.

$$5x - 4 > 4x + 3$$

$$-4x \quad -4x$$

$$1x - 4 > 3$$

$$\quad \quad +4 \quad +4$$

$$\boxed{x > 7}$$

Solve each inequality.

$$\begin{array}{r} -2t - 1.5 < 1.3 \\ +1.5 \quad +1.5 \end{array}$$

$$\begin{array}{r} -2t < 2.8 \\ \hline -2 \quad \quad -2 \end{array}$$

$$t > -1.4$$

Solve each inequality.

$$\begin{array}{r} 7t + 6 < 3t - 14 \\ -3t \quad -3t \end{array}$$

$$\begin{array}{r} 4t + 6 < -14 \\ -6 \quad -6 \end{array}$$

$$\begin{array}{r} 4t < -20 \\ \hline 4 \quad \quad 4 \end{array}$$

$$t < -5$$

Solve each inequality.

$$3(x - 5) \leq -6$$

$$3x - 15 \leq -6$$

$+15$        $+15$

$$\frac{3x}{3} \leq \frac{9}{3}$$

$$x \leq 3$$

Solve each inequality.

$$3x + 8 \geq 5x - 4$$

$-3x$        $-3x$

$$8 \geq 2x - 4$$

$+4$        $+4$

$$\frac{12}{2} \geq \frac{2x}{2}$$

$$6 \geq x$$

$$x \leq 6$$

Solve each inequality.

$$4y + 8 < 15$$

$$\begin{array}{r} -8 \quad -8 \\ \hline \end{array}$$

$$\frac{4y}{4} < \frac{7}{4}$$

$$y < \frac{7}{4} \text{ or } 1\frac{3}{4}$$

Solve each inequality.

$$-3k - 4 \leq -22$$

$$\begin{array}{r} +4 \quad +4 \\ \hline \end{array}$$

$$\frac{-3k}{-3} \leq \frac{-18}{-3}$$

$$k \geq 6$$

Solve each inequality.

$$1 - 3x > 7$$

$$\frac{-3x}{-3} > \frac{6}{-3}$$

$$x < -2$$

Solve each inequality.

$$3(y - 2) > 5(y - 7)$$

$$3y - 6 > 5y - 35$$

$$-6 > 2y - 35$$

$$\frac{29}{2} > \frac{2y}{2}$$

$$29/2 > y$$

$$y < \frac{29}{2}$$