

What Do You Call Drilling 4,876 Holes?

Solve each inequality. Find the inequality that describes the solution set and cross out the box containing it. After completing all the exercises, print the letters from the remaining boxes in the spaces at the bottom of the page.

① $3x - 8 > 10$ $x > 6$

② $-2x + 7 \leq 37$ $x \geq -15$

③ $30 - 8x < 6$ $x > 3$

④ $-28 \geq 12x - 4$ $x \leq -2$

⑤ $\frac{x}{4} < 11$ $x < 44$

⑥ $\frac{x}{5} - 9 > 3$ $x > 60$

⑦ $-\frac{x}{2} + 20 \leq 4$ $x \geq 32$

⑧ $7 - \frac{x}{10} \geq 12$ $x \leq -50$

⑨ $-18 > \frac{x}{6} - 10$ $x < -48$

⑩ $\frac{2}{3}x < 14$ $x < 21$

⑪ $\frac{2}{5}x - 5 \geq 3$ $x \geq 20$

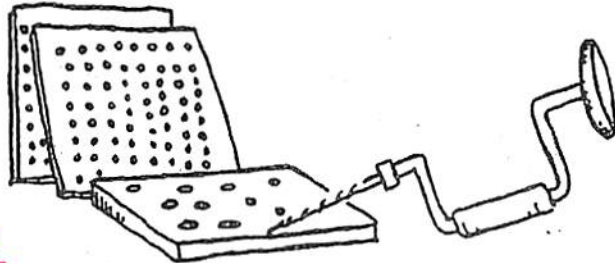
⑫ $-\frac{3}{2}x + 9 \leq 24$ $x \geq -10$

⑬ $-12 \geq 8 - \frac{4}{3}x$ $x \geq 15$

⑭ $\frac{3}{10}x + 21 < 0$ $x < -70$

⑮ $30 - 6x \leq 0$ $x \geq 5$

⑯ $13 - \frac{3}{4}x > 13$ $x < 0$



HO $x < -70$	DR $x < 44$	AD $x \leq -50$	IL $x > 6$	AB $x < -1$	LE $x \geq -10$	AD $x < 0$
IG $x < -48$	OR $x \geq 31$	BI $x > 3$	SP $x \geq 5$	TH $x > 60$	IN $x > 9$	TO $x \geq 20$
HO $x \geq 32$	GJ $x \leq -4$	LE $x \geq -15$	SL $x \geq 15$	OB $x < 19$	OW $x < 21$	LE $x \leq -2$

A B O R I N G J O B

$$\textcircled{3} \quad \begin{array}{r} 30 - 8x < 6 \\ -30 \qquad \qquad -30 \end{array}$$

$$\begin{array}{r} -8x < -24 \\ \hline -8 \qquad \qquad -8 \end{array}$$

$$\boxed{x > 3}$$

$$\textcircled{10} \frac{3}{2} \cdot \frac{2}{3} x < \frac{14}{1} \cdot \frac{3}{2}$$

$$x < 21$$

⑨

$$\frac{x}{6} - 10 < -18$$

~~+10~~ +10

~~6~~ · $\frac{x}{\cancel{6}}$ < -8 · 6

$x < -48$

$$\textcircled{7} \quad \frac{-x}{2} + 20 \leq 4$$

$$\frac{-x}{2} - 20 \leq -20$$

$$\frac{2}{1} \cdot \frac{-x}{2} \leq -16 \cdot 2$$

$$\frac{-1x}{-1} \leq \frac{-32}{-1}$$

$$x \geq 32$$

$$\textcircled{16} \quad 13 - \frac{3}{4}x > 13$$
$$\quad \quad \quad -13 \quad \quad \quad -13$$

$$\frac{-4}{3} \cdot \frac{-3}{4}x > 0 \cdot \frac{-4}{3}$$

$$\boxed{x < 0}$$

14

$$\frac{3}{10}x + 21 < 0$$
$$\quad \quad \quad -21 \quad -21$$

$$\cancel{10} \cdot \frac{3}{\cancel{10}}x < -21 \cdot 10$$

$$\frac{3x}{3} < \frac{-210}{3}$$

$$x < -70$$

②

$$\frac{2}{5}x - 5 \geq 3$$

$$\quad \quad +5 \quad +5$$

$$\frac{5}{2} \cdot \frac{2}{5}x \geq \frac{5}{2} \cdot 8$$

$$x \geq 20$$

⑬

$$8 - \frac{4}{3}x \leq -12$$

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

~~3~~ $\cdot \frac{-4}{\del{3}}x \leq -20 \cdot 3$

$$\frac{-4x}{-4} \leq \frac{-60}{-4}$$

$$x \geq 15$$

$$\textcircled{13} \quad 8 - \frac{4}{3}x \leq -12$$
$$\quad \quad \quad -8 \quad \quad \quad -8$$

$$\frac{-3}{4} \cdot -\frac{4}{3}x \leq \frac{-5}{1} \cdot -\frac{3}{4}$$

$$x \geq 15$$