

2 Step Inequalities Practice

$$\begin{array}{r} \textcircled{1} \quad 2x + 4 \geq 24 \\ \quad \quad \underline{-4 \quad -4} \\ 2x \geq 20 \\ \quad \quad \underline{2 \quad 2} \\ x \geq 10 \end{array}$$

{ 10, 11, 12, ... }

$$\textcircled{2} \quad \frac{m-7}{3} \leq -6$$

$$\underline{\quad \quad +7 \leq +3}$$

$$\textcircled{3} \quad \frac{m}{3} \leq -3(3)$$

$$m \leq -9$$

{ -9, -10, -11, ... }

$$\begin{array}{r} \textcircled{3} \quad 3p - 3 \leq -18 \\ \quad \quad \underline{+3 \quad +3} \\ 3p \leq -15 \\ \quad \quad \underline{-3 \quad -3} \\ p \geq +5 \end{array}$$

{ 5, 6, 7, ... }

$$\begin{array}{r} \textcircled{4} \quad 16 - 4x > 56 \\ \quad \quad \underline{-16 \quad -16} \\ -4x > 40 \\ \quad \quad \underline{-4 \quad -4} \end{array}$$

$$x < -10$$

{ -11, -12, -13 }

$$\begin{array}{r} \textcircled{5} \quad -b - 2 > 8 \\ \quad \quad \underline{+2 \quad +2} \\ -b > 10 \\ \quad \quad \underline{-1 \quad -1} \\ b < -10 \end{array}$$

{ -11, -12, -13, ... }

$$\begin{array}{r} \textcircled{6} \quad -12 - 4n > -32 \\ \quad \quad \underline{+12 \quad +12} \\ -4n > -20 \\ \quad \quad \underline{-4 \quad -4} \\ n < 5 \end{array}$$

{ 4, 3, 2, ... }