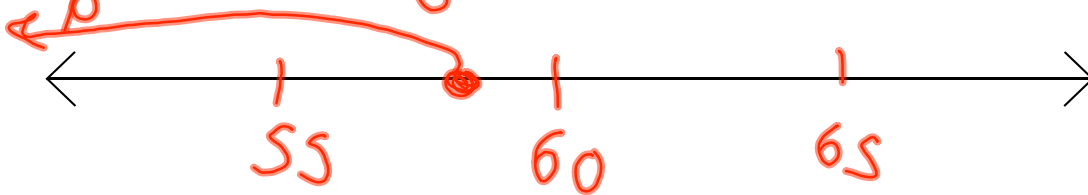


$$12. 4 - \frac{1}{2}q \leq 33 - q$$

$$2\left(4 - \frac{1}{2}q\right) \leq 2(33 - q)$$

$$8 - q \leq 66 - 2q$$

$$8 + q \leq 66 \quad q \leq 58$$



$$13. -\frac{2}{3}d - 2 < \frac{1}{3}d + 8$$

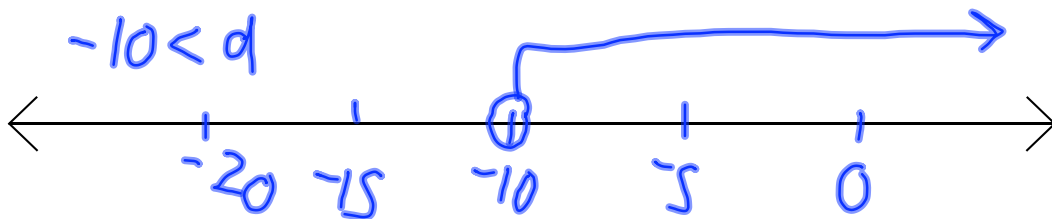
$$\frac{3}{1}(-\frac{2}{3}d - 2) < 3(\frac{1}{3}d + 8)$$

$$\cancel{-2d} - 6 < d + 24$$

$$-6 < 3d + 24$$

$$\frac{-30}{3} < \frac{3d}{3} \quad d > -10$$

$$-10 < d$$



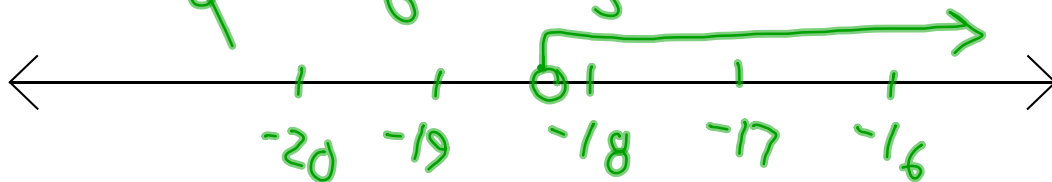
$$14. \left( 8 - \frac{4}{5}f > -14 - 2f \right) \cdot 5$$

$$\cancel{5} \left( 8 - \frac{4}{5}f \right) > \cancel{5} \left( -14 - 2f \right)$$

$$40 - 4f > -70 - 10f$$

$$\begin{array}{r} +10f \\ \hline -40 + 6f > -70 \\ -40 \\ \hline 6f > -30 \end{array} \quad \begin{array}{r} +10f \\ \hline -70 - 10f \\ -10f \\ \hline -18\frac{1}{3} \end{array} \quad f > -18\frac{1}{3}$$

$$\begin{array}{r} 6f > -30 \\ \hline f > -5 \end{array} \quad \begin{array}{r} -55 \\ \hline -18\frac{1}{3} \end{array}$$



16.

$$\begin{aligned} -4(2x - 3) &< 28 \\ -8x + 12 &< 28 \\ -8x &< 16 \\ x &> -2 \end{aligned}$$

*(Note: The original image shows a red arc over the first two lines, a red 'X' over the last two lines, and a red 'X' over the final result.)*

$$\begin{aligned} -8x + 12 &< 28 \\ -12 & \quad -12 \\ \hline -8x &< 16 \\ -8 & \quad -8 \\ \hline x &> -2 \end{aligned}$$

*(Note: The final result  $x > -2$  is circled in red.)*