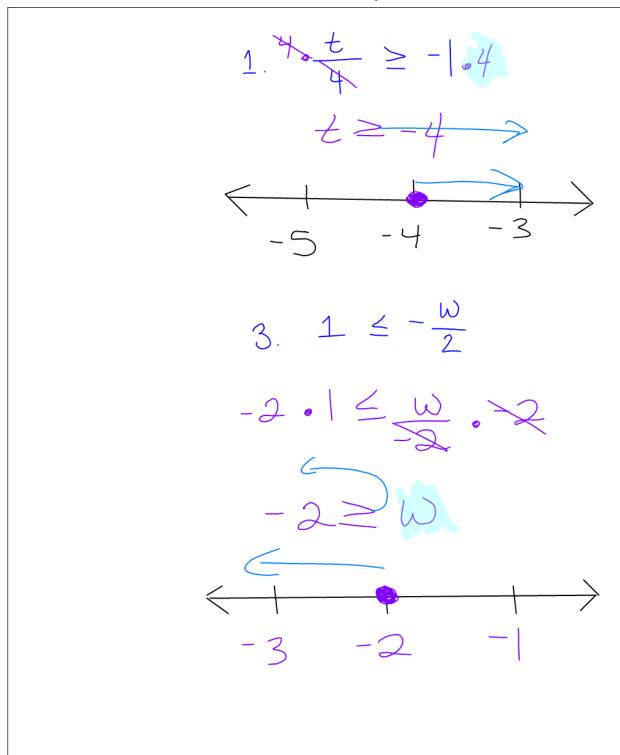


1) EXAMPLE Solve $\frac{z}{3} > -2$. Graph and check the solution.

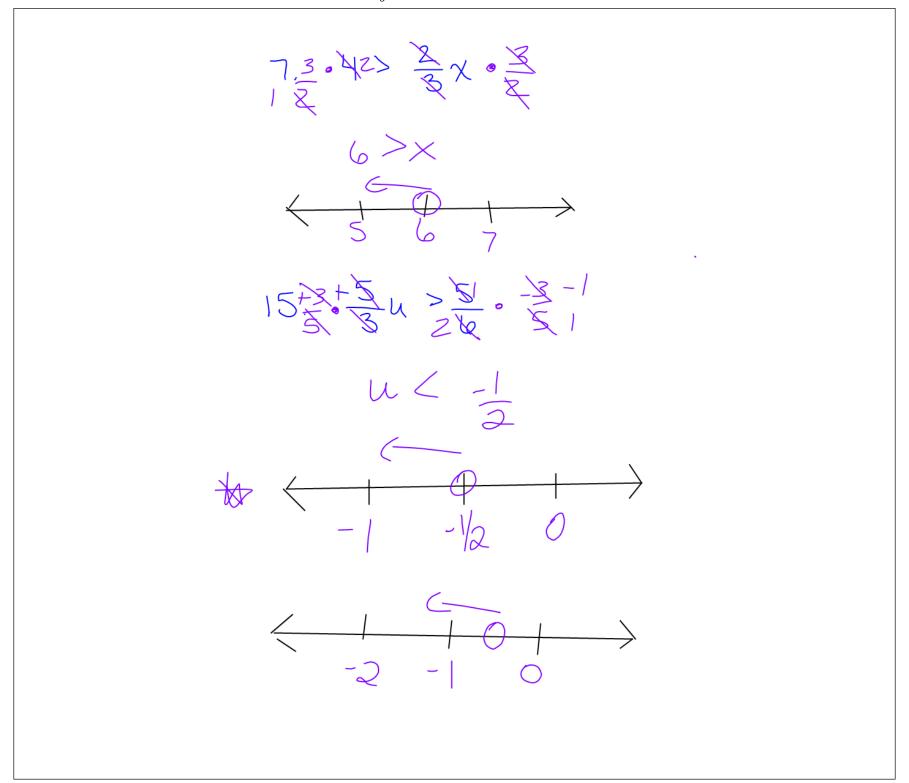
$$\begin{array}{c|c}
 3 & \stackrel{?}{=} & -2 & 0 \\
 \hline
 2 & > & -6 \\
 \hline
 \hline
 \hline
 -7 & -6 & -5
 \end{array}$$

$$\begin{array}{c|c}
 0 & > & -2 \\
 \hline
 0 & > & -2 \\
 \hline
 \hline
 0 & > & -2 \\
 \hline
 \hline
 0 & > & -2 \\
 \hline
 \hline
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\
 0 & > & -5 \\$$

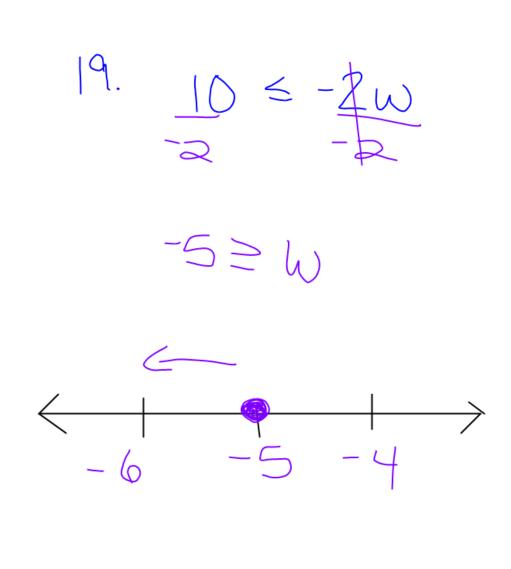


2 EXAMPLE Solve $3 \le -\frac{3}{5}x$. Graph and check the solution.

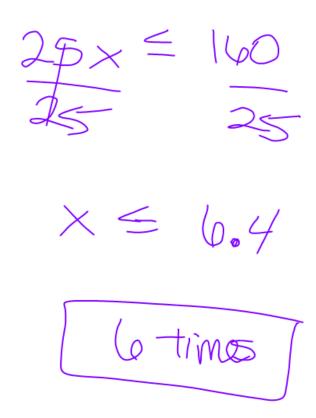
$$-\frac{5}{8}$$
. $\frac{3}{8}$. $\frac{13}{8}$. $\frac{13}$



3 EXAMPLE Solve -4c < 24. Graph the solution.



4 EXAMPLE Your family budgets \$160 to spend on fuel for a trip. How many times can they fill the car's gas tank if it cost \$25 each time?



29. Fund-Raising The science club charges \$4.50 per car at their car wash. Write and solve an inequality to find how many cars they have to wash to earn at least \$300.

$$\frac{4.5}{4.5}$$
 $\frac{300}{4.5}$ $\frac{4.5}{4.5}$ $\frac{300}{4.5}$ $\frac{300}{4.5}$

