

Inequalities with Multiplication and Division Quiz

Evaluate: $2x > 12$

a) $x > 6$

Solve for x : $-4x \leq 12$

b) $x \geq -3$

The solution for $7x \leq -42$ is represented on this number line:



b) *False*

Evaluate: $\frac{1}{2}x < 14$

d) $x < 28$

Solve for x : $-\frac{1}{4}x \leq 5$

c) $x \geq -20$

The solution for $\frac{x}{12} > -11$ is $x > -132$.

a) *True*

Evaluate: $240x \leq -2,880$

b) $x \leq -12$

Solve for x : $-\frac{x}{7} > -14$

b) $x < 98$

The solution for $-1.25x \geq 7.5$ is represented by this number line:



b) *False*

Find the solution: $\frac{1}{8}x \leq -2$

c) $x \leq -16$