

Answer on Question #49820 – Math – Algebra

Given: $-7x < -21$.

Choose the solution set.

Solution:

$$-7x < -21$$

Divide both sides by 7

$$\frac{-7x}{7} < -\frac{21}{7}$$

Simplify

$$-x < -3$$

Let's multiply by -1 (warning: this operation changes the sign's direction in inequality)

$$x > 3$$
$$x \in (3, +\infty)$$

Answer: $x \in (3, +\infty)$