***Why do we flip the inequality sign when multiplying/dividing by a negative number?!?!***

🟊 **Follow the directions below. Then write a clear, detailed description as to why the inequality sign flips when you multiply or divide by a negative number in order to isolate the variable. If you have any questions, please feel free to see me!** (*You can earn up to 4 quiz points!*)

~ Choose any two unique numbers.

~ Locate your numbers on a number line.

~ Multiply or divide both of your numbers by any negative number.

~ Repeat this process as often as you wish to see if you can come up with a detailed description as to why we MUST flip the direction of the inequality symbol when multiplying or dividing by a negative number.