Check My Steps

**Patterns and Relations  
Unit 4 Line Master 3**

Start with the inequality 5 < 10 each time.  
Perform the same operation to each side. Repeat three times, trying different types   
of numbers (e.g., positive and negative integers, decimals, and fractions).

* 5 < 10

Add the same amount to both sides.

Are the resulting inequalities still true?

* 5 < 10

Subtract the same amount from both sides.

Are the resulting inequalities still true?

* 5 < 10

Multiply both sides by the same amount.

Are the resulting inequalities still true?

* 5 < 10

Divide both sides by the same amount.

Are the resulting inequalities still true?

* What changes do you think you need to make to your strategies for solving equations   
  to solve inequalities?