

**Algebra**  
**Unit 6 Line Master 3****Check My Steps**

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?