LEARNING GOAL

1. **Review:** I can solve inequalities by solving a related equation and then checking which values are solutions to the original inequality.
2. I can describe what happens when I add, subtract, multiply, or divide by the same number on both sides of an inequality.

GREATER OR LESS?

To solve the inequality $5 - 2x > 4$, Anne first wrote the related equation $5 - 2x = 4$.

1. What is the solution to the related equation?

2. Are the solutions to the original inequality greater than or less than the solutions to this equation? How do you know?

GREATER OR LESS?

To solve the inequality $8 - x < 10$, Anne first wrote the related equation $8 - x = 10$.

1. What is the solution to the related equation?

2. Are the solutions to the original inequality greater than or less than the solutions to this equation? How do you know?

Starting Value	2		4
Add 2			
Subtract 3			
Add -2			
Subtract -4			
Multiply by 2			
Subtract 7			
Multiply by -3			
Add 5			
Divide by 4			
Subtract 2			
Divide by -1			

What types of operations caused the inequality symbol to change?