

EXPLORING INEQUALITY RULES

Complete the table with what happens when you apply the operation to each side of the following inequality, $12 > 4$.

12 > 4					
Operation	Left Side	Inequality	Right Side	True or False?	If false, what would make it true?
+ 4		>			
- 4		>			
· 4		>			
· -4		>			
÷ 4		>			
÷ -4		>			

Observations

When did the inequality stay true? When did it become false?

What do you notice or wonder about the situations where it became false?

What conclusion can you create?

Write a Rule