

Golden Rule Activity

Draw and fill in the Chart in your notebook.

Inequality	True? check if true	Action	New Inequality	True? check if true
$1 < 4$	✓	Add 3 to both sides	$3 < 7$	✓
$-4 < 6$		Subtract 3 from both sides		
$-1 < 2$		Multiply 3 on both sides		
$-3 < 3$		Multiply -2 on both sides		
$-2 < 10$		Divide by 2 on both sides		
$2 < 6$		Divide by -2 on both sides		

Inequalities Foldable

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Golden Rule

Whenever you **Multiply** or **Divide** both sides of an inequality by a **Negative Number** you must **FLIP** the inequality symbol.
example: $-2x > 4$

Inside

Solving Inequalities	STEPS	Graphing Inequalities	
1) Box the variable/ Draw the river 2) Inverse Operations (2 times) 3) Solve *Golden Rule*		1) Plot the point 2) Choose open or closed circle. 3) Shade ;eft or right 4) Check	
1) $4x-3 > 17$	3) $-4x+2 < 10$	1) _____	3) _____
2) $9-2w \leq 17$	4) $3y - 5 \leq 7$	2) _____	4) _____

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		Key Words	
$<$ • less than	$>$ •	\leq	\geq