Solving Linear Equations NOTES

DATE

_____ Period A B C D E F









I can solve equations with variables on both sides of the equal sign.		
<u>Activity OnE</u> Solving Equotions	• How many blocks are in one bag? I bag = 6 blocks • Write the original problem as an equation, using a variable. 3x+1=2x+7 • Solve the equation you wrote algebraically.	3x + 1 = 7 $x + 1 = 7$
with Variables		
on both Sides	• How many blocks are in one bag? bag = 3blocks	
Exploration	 Write the original problem as an equation, using a variable. 2x+7= ×+10 Solve the equation you wrote algebraically. 	
	 How many blocks are in one bag? bag = 5 blocks Write the original problem as an equation, using a variable. 3x+(a= 4x+1) Solve the equation you wrote algebraically. 	3x + 6 = 4x + 1 $3x + 6 = 4x + 1$
SOLVING	STEPS: 1. Move all of the variables to the same side (inverse operations)	
	 Add or subtract the constant to get the term with the variable alone. Multiply or divide to finish solving. 	
MULTI-STEP	x - 6 = 5x + 10	2x - 7 = -5x + 14
EQUATIONS	-6 = 4 × + 10 -16 = 4x -4 = X	7x-7 = 14 7x = 21 x = 3



