Unit: Equations and Inequalities
Cut and Paste

Name _____

Date _____Pd_____

TWO-STEP INEQUALITIES

Cut the cards apart. Then glue the inequality, solution and graph to the correct situation.

	1	2	3
SITUATION	Phil needs to run at least 30 miles this week for his training. If he has already run 18 miles this week, then how many miles should he run on each of the 3 remaining days this week?	Haley has a $30 gift card that she can spend at the store. She has already bought an $18 shirt, and she wants to buy $3 bracelets with the leftover money on the card. How many bracelets can she purchase without going over the card's limit?	Luke has $9.00 to spend at the concession stand. He buys a hot dog for $1.50, and he wants to purchase some Sour Straws for $0.75 each. How many Sour Straws can Luke purchase with the money that he has?
INEQUALITY			
SOLUTION			
GRAPH			

SITUATION	4 Lauren wants to have more than $90 in her account before she goes shopping for new clothes. Right now she has $15, and she is going to babysit to earn $7.50 an hour. How many hours will Lauren need to babysit before she can go shopping?	5 Chris is selling chocolates for a fundraiser. If he sells over $115 worth of candy, he'll win a prize. If chocolates sell for $5.75 a box and Chris has already sold $28.75 worth of candy, how many more boxes does he have to sell in order to win a prize?	6 Ralph won't sell the Christmas trees on his farm until they are a minimum of 70 inches tall. The trees he has now are an average of 12 inches tall, and the trees grow about ½ inch every month. How many months will it be until Ralph will sell his trees?
INEQUALITY			
SOLUTION			
GRAPH			

$12 + \frac{1}{2}x \geq 70$	$12 + \frac{1}{2}x < 70$	$18 + 3x \leq 30$
$15 + 7.5x > 90$	$18 + 3x \geq 30$	$28.75 + 5.75x \leq 115$
$28.75 + 5.75x > 115$	$1.5 + 0.75x \leq 9$	$x \geq 15$
$x \leq 10$	$x > 15$	$x > 10$

$x < 116$	$x \geq 4$	$x \geq 116$
$x \leq 4$