Unit: Equations and Inequalities
Positive Integers Only

Name _____

Date _____Pd_____

Inequality Cut & Paste

Cut the cards apart. Then match each problem with its solution and number line representation. Glue the cards to the appropriate spot, but be careful because not all cards will be used.

PROBLEM	SOLUTION	NUMBER LINE
$6x \geq 30$		
The class must be less than 32 students. If there are currently 21, how many students can be enrolled?		
An English essay must have more than 250 words. Marco's essay has 172 words. How many more words does he need to write?		
$x - 7 < 29$		
Mia would like to buy popcorn for $5 per bag. If she has $25, what is the greatest number of bags she can buy?		

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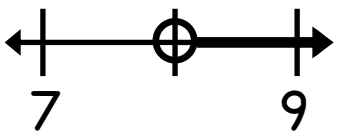
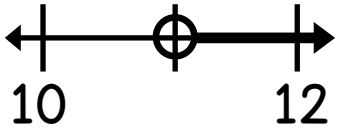
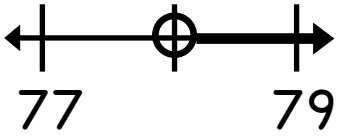
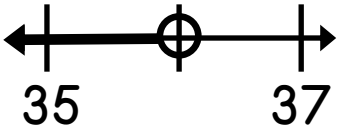
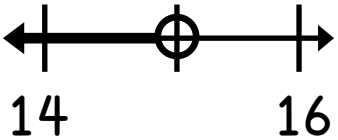
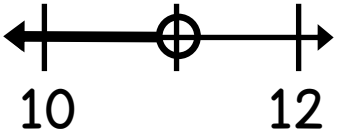
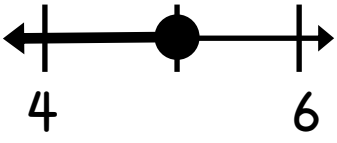
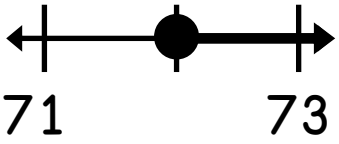
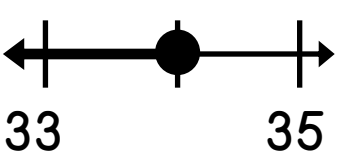
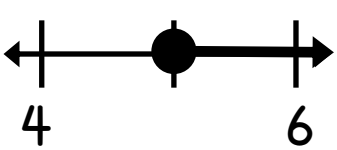
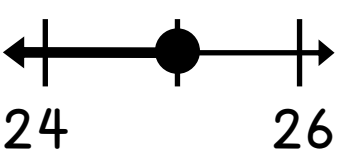
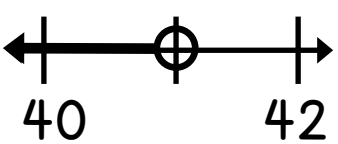
Mikey would like to save more than $200 for a new bike. If he earns $25 per week, how many weeks until he can buy the bike?		
$3x < 45$		
A varsity football team must have under 75 players. If there are 34 seniors on the team, how many junior positions are available?		
write your own		

$x < 76$	$x < 11$	$x > 78$	$x < 4$	$x > 8$
$x > 11$	$x \geq 72$	$x > 41$	$x < 15$	$x < 41$
$x \geq 5$	$x > 25$	$x < 36$	$x \leq 5$	$x < 34$

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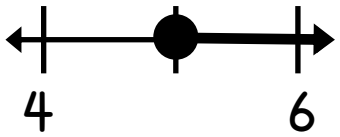
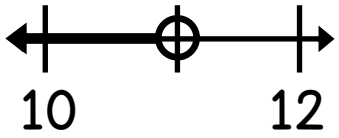
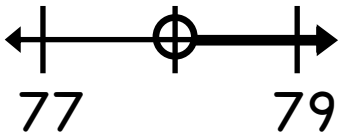
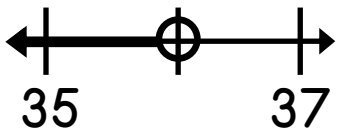
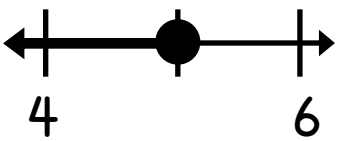
$6x \geq 30$	$x \geq 5$	
The class must be less than 32 students. If there are currently 21, how many students can be enrolled?	$x < 11$	
An English essay must have more than 250 words. Marco's essay has 172 words. How many more words does he need to write?	$x > 78$	
$x - 7 < 29$	$x < 36$	
Mia would like to buy popcorn for $5 per bag. If she has $25, what is the greatest number of bags she can buy?	$x \leq 5$	

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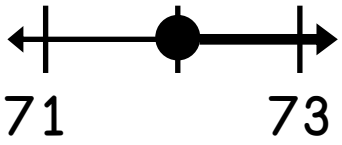
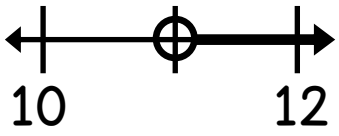
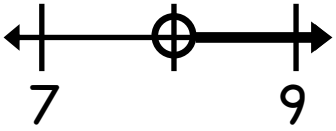
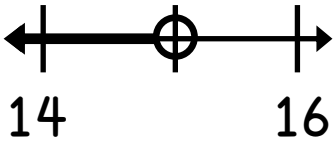
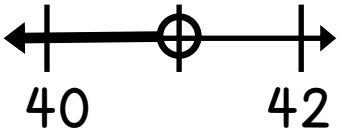
$\frac{x}{8} \geq 9$	$x \geq 72$	
$15 + x > 26$	$x > 11$	
Mikey would like to save more than $200 for a new bike. If he earns $25 per week, how many weeks until he can buy the bike?	$x > 8$	
$3x < 45$	$x < 15$	
A varsity football team must have under 75 players. If there are 34 seniors on the team, how many junior positions are available?	$x < 41$	
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