





It depends on the direction you read it!

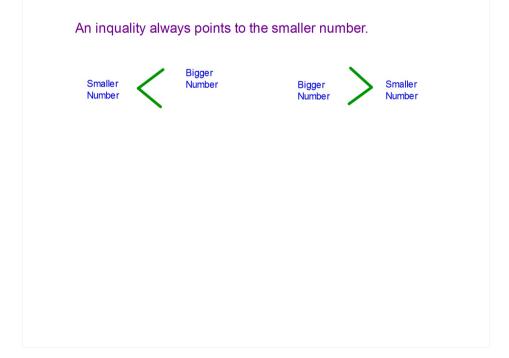
If you read from left to right you would say



If you read from right to left you would say



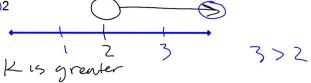
How do you say this? w > 99 is less than w w is greater than 9 When saying an -11 ≥ T How do you say this? inequality it is better to start with the variable, whichever side it -11 is greater than or T is less than or is on. equal to T equal to -11



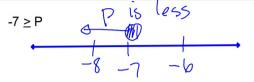
Graph each inequality on a number line:

1.





2.



6. The minimum amount you must have in your bank account so that you won't get charged a fee by the bank is \$100.

$$3 \geq 100$$

7. The truck can tow up to 2500 lbs.

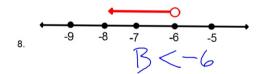
Write an inequality to model each statement.

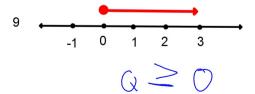
3. There needs to be at least 12 interested students to start an art club.

4. The maximum number of people allowed in the restaurant is 150.

5. Alan can get no more than 3 wrong to get an A.

Model each graph with an inequality.

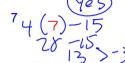




Use this Inequality:

Is each of the below a solution to this inequality?

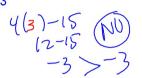
a.



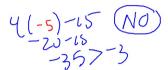
b.



c. 3



d. -



You can now finish Hwk #14.

Due tomorrow

Sec 3-1

Pages 136-138

Problems 9, 10, 20, 22, 23, 31-35, 37, 38, 40, 51, 72

## graph on a number line:

all values such that x < -5 or x > 1



all the values such that  $x \ge 6$  (and)  $x \le 10$ 

