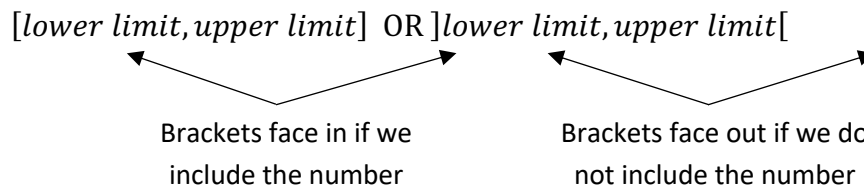


Interval notation shows an answer as a range of possibilities and we use brackets instead of inequalities.

We write the smallest possibility and the largest possibility inside brackets.



Words and Interval Notation		Example
Less Than Is under Is fewer	$] -\infty, upper\ limit[$	Let x be less than 5
Greater Than Is more than Is greater Exceeds	$] lower\ limit, \infty[$	Let x be more than 4
Less Than or Equal To Is at most Has a maximum of Is not greater than Does not exceed (go over) Is not more than	$] -\infty, upper\ limit]$	Let x be less than or equal to 8
Greater Than or Equal To Is at least Is not less than Is not under Has a minimum value of	$[lower\ limit, \infty[$	Let x be greater than or equal to -2

We can also combine these in many different ways.

Ex: Let x be smaller than -9 and at least -14

Ex: Let x be smaller than -9 and bigger than 0

Try these questions!

1) Write the following in interval notation

a) Let x be at most -2

b) Let x be at least 12

c) Let x be less than 27

d) Let x be more than -18

e) Let x be under -52

f) Let x exceed 13

g) Let x be less than or equal to 14

h) Let x be greater than or equal to -4

i) Let x be at least 3 and at most 7

j) Let x be under 8 and more than 6

k) Let x be a maximum of 87 and more than 49

l) Let x be a minimum of -12 and less than 19

