5.7 Write Inequalities Key Symbols

Inequality Symbols				
Symbol	<	>	<u><</u>	<u>></u>
Key Phrases	•Is less than •Is fewer than	•Is greater than •Is more than	 Is less than or equal to Is at most Is no more than Up to and including 	•Is greater than or equal to •Is at least •Is no less than

 Note: To write an inequality, look for the above phrases to determine where to place the inequality symbol.

Example: Write an inequality that represents the situation.

1.) Maria can lift at most 60 pounds. What weights can Maria lift?

$$x \leq 60$$

Example: Write an inequality that represents the situation. Show the inequality on a number line.

4.) Carter runs less than 7 miles in one hour. How many miles might Carter have run?



5.) A banquet hall can hold up to 1000 people. How many can go to the prom at the banquet hall?



Example: Write an inequality that represents the situation. Show the inequality on a number line.

6.) A train stops at your station once an hour. How many minutes might you wait for a train, assuming the trains are on schedule?



7.) The longest Jessica can hold her breath underwater is 96 seconds. How long might Jessica swim underwater before surfacing?



8.) Kamal wants to make more than one cup of trail mix. How many cups of trail mix might Kamal make?

