Write an inequality to model each statement.

1. You need at least \$250 to buy the stereo.

5 ≥ 250

2. The elevator can hold up to 2000 lbs.

ELLaco

3. She can work no more than 24 hours per week.

 $W \leq 24$

4. The can weigh a maximum of 20,000 lbs to cross the bridge.

W ≤ 20,000

5. You need to be a minimum of 50 inches tall to ride the roller coaster.

 $\label{eq:continuous} \top \ \ \, \ge \ \ \, \ \ \,$ 6. Water is liquid between 32° F and 212° F.

32 < W < 212

W > 32 AND W < SIZ 7. To get a discount ticket you must be younger than 10 or older than 60.

9<10 on 9>60

AND OR

AND
For dinner Eric said that he will eat a salad AND a hamburger.

• Eric ate only a salad. Is his original statement true or false?

 \bullet Eric ate only a hamburger. Is his original statement true or false? False

• Eric ate both a salad and a hamburger. Is his original statement True true or false?

A statement involving the word AND is only true if: BOTH parts are true.

OR
Amani said that tonight she would study OR listen to music.

• Amani only studied. Is her statement true or false?

• Amani only listened to music. Is her statement true or false? TVVL

 \bullet Amani studied and listened to music. Is her statement true $\begin{tabular}{c} \begin{tabular}{c} \begi$

- A statement involving the word OR is true if:
 Only one of the statmens is true or
 If both statements are true