

Inequalities Worksheet #1

Name: _____ Date: _____ Period: _____

Define the variable and write an inequality to model each situation like the foldable we completed in class.

1. The maximum weight on an elevator is 2000 pounds.
2. At least 20 students were sick with the flu.
3. The circumference of an official major league baseball is more than 9 inches.
4. The minimum occupancy in an auditorium is 250 people.
5. A hamster weighs less than 10 ounces.

Graph the following inequalities.

6. $x < 10$

7. $x \geq -3$

8. $y \leq 5$

9. $z > -1$

Write an inequality that represents each graph.

