



Additional Practice

Define a variable and write an inequality to model each situation.

- **18.** The temperature in a refrigerated truck must be kept at or below 38°F. _____
- **19.** The maximum weight on an elevator is 2000 pounds. _____
- **20.** A least 20 students were sick with the flu. —
- **21.** The maximum occupancy in an auditorium is 250 people. _____
- **22.** The maximum speed on the highway is 55 mi/h.
- 23. A student must have at least 450 out of 500 points to earn an A.
- 24. The circumference of an official major league baseball is at least 9.00 inches.



Solve each inequality. Check your solution. **2.** 4(k-1) > 4**1.** 2z + 7 < z + 10**4.** $h + 2(3h + 4) \ge 1$ 5. r + 4 > 13 - 2rWrite and solve an inequality that models each situation. **19.** Ernest works in the shipping department loading shipping crates with boxes. Each empty crate weighs 150 lb. How many boxes, each weighing 35 lb, can Ernest put in the crate if the total weight is to be no more than 850 lb? **20.** Beatriz is in charge of setting up a banquet hall. She has five tables that will seat six people each. If no more than 62 people will attend, how many tables seating four people each will she need?