Day 4 & 5: Creating Inequalities Additional Practice

Directions: Create an inequality to represent each of the following scenarios.

1. In many states, you must be at least 16 years old to obtain a driver's license.

2. It is not safe to use a light bulb of more than 60 watts in this light fixture.

3. The Navy's flying squad, the Blue Angels, makes more than 75 appearances each year.

4. Applicants must have at least 5 years of experience.

5. The maximum speed on North Ankeny Boulevard is 40 mph.

6. Kids 12 and under get a discount at Golden Corral.

7. Harriet's goal is to weigh no more than 140 lbs.

8. Amazon is offering free shipping on orders with a minimum of $100.

9. You must be at least 16 years old to get a driver's license.

10. Students may receive no more than 3 tardies before receiving a detention.

Directions: Create and solve an inequality to represent the following scenarios.

11. Suppose you earn $6.15 per hour working part time at a dry cleaner. Write and solve an inequality to find how many full hours you must work to earn at least $100.

12. Students in the school band are selling calendars. They earn $0.40 on each calendar they sell. Their goal is to earn more than $327. Write and solve an inequality to find the fewest number of calendars they can sell and still reach their goal.

13. A car rental agency rents cars for $26.20 per day plus $0.24 per mile driven. If your travel budget is $200, what is the maximum number of miles you can drive during a 1-day rental assuming you cannot pay for partial miles?

14. Suppose that you are running a concession stand when a person gives you $18 and asks for six soft drinks and as many hot dogs as the remaining money will buy. If soft drinks are $1.00 and hot dogs are $1.75, what is the maximum number of hot dogs the person can buy?