

Name: _____

Practice Assignment

0 25 50 75 100

Write an inequality that models the situation. You do NOT have to solve!

1. Eight times the difference of w and 7 is greater than or equal to -2 .

2. In order to ride the Triple Threat Roller Coaster, a rider must be at least 42 inches tall.

Write an inequality that can be used to model the following problem. Then, use your equation or inequality to SOLVE the problem.

3. Suppose a DVD costs \$19 and a CD costs \$14. How many CDs can you buy if you have at most \$65 to spend and you bought 1 DVD?

Inequality: _____

4. Joan needed \$100 to buy a graphing calculator for her math class. Her neighbor will pay her \$5 per hour to babysit and her Father gave her \$10 for mowing the lawn. What is the minimum amount of hours she will need to babysit in order for her to buy her calculator?

Inequality: _____

5. The cost of a gallon of orange juice is \$3.50. What is the maximum number of containers you can buy for \$15?

Inequality: _____

6. Skate Land charges a \$50 flat fee for a birthday party rental and \$5.50 for each person. Joann has no more than \$100 to spend on the birthday party. How many people can Joann invite to her birthday party without exceeding her limit?

Inequality: _____

7. Mrs. Scott decided that she would spend no more than \$120 to buy a jacket and skirt. If the price of the jacket was \$20 more than 3 times the prices of the skirt, find the highest possible price of the skirt.

Inequality: _____

8. Stephanie weights 3 times as much as Rachel. Both weights are whole numbers and the sum of their weights is at most 160 pounds. Find the greatest possible weight for each girl.

Inequality: _____

9. The cost per month of making n number of wooden toys is $C = 3n + 30$. The income from selling n toys is $I = 6n$. How many toys must the company sell to make a profit (Profit means the income is greater than the cost)?

Inequality: _____