

1. Three less than twice a number is no less than the number increased by seven. Find the possible values.
2. Julia has \$80. She wants to purchase a nail paint set for \$16 and spend the rest of the money on earrings. Each pair of earrings cost \$8. Write an inequality for the number of pairs of earrings she can purchase.
3. Billy goes to the store. He has \$90. He wants to purchase a leather jacket for \$45, a hat for \$10, and the rest on jeans. Each pair of jeans costs \$35. Write an inequality for the number of jeans he can purchase.
4. Erin has \$50. She wants to purchase a cell phone for \$20 and spend the rest on music CDs. Each music CD costs \$8. Write an inequality for the number of music CDs she can purchase.
5. The dance committee hired a DJ for the fall dance. The DJ charges \$125 per hour plus \$55 for an assistant. The committee wants to keep the total cost under \$600. What is the maximum amount of hours the DJ will play at the dance?

6. Jamie needs \$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?
  
  
  
  
  
  
  
  
  
  
7. Mrs. Scott decided that she would not spend more than \$120 to buy a jacket and a skirt. If the price of the jacket was \$20 more than 3 times the price of the skirt. Find the highest possible price of the skirt?
  
  
  
  
  
  
  
  
  
  
8. Your quiz grades are 78, 72, 87, and 90. What score on the fifth quiz will make your average quiz grade at least 82?
  
  
  
  
  
  
  
  
  
  
9. To get a grade of C in your course, you must average at least 75% on 4 exams. You have taken the first three exams and gotten scores of 68, 78, and 81. What must you score on the last exam to get a C or better?
  
  
  
  
  
  
  
  
  
  
10. Skate Land charges a \$50 flat fee for birthday party rental and \$5.50 for each person. Joann cannot spend more than \$100 on her birthday party. Write an inequality that represents Joann's situation. How many people can Joann invite to her birthday party without exceeding her limit?