

Write each inequality in words.

34.  $x > 7$

35.  $h < -5$

36.  $d \leq 23$

37.  $r \geq -2$

Write each inequality with the variable on the left. Graph the solutions.

38.  $19 < g$

39.  $17 \geq p$

40.  $10 < e$

41.  $0 < f$

Define a variable and write an inequality for each situation. Graph the solutions.

42. The highest temperature ever recorded on Earth was 135.9 °F at Al Aziziyah, Libya, on September 13, 1922.

43. Businesses with profits less than \$10,000 per year will be shut down.

44. You must be at least 46 inches tall to ride a roller coaster at an amusement park.

45. Due to a medical condition, a hiker can hike only in areas with an elevation no more than 5000 feet above sea level.



Write a real-world situation that could be described by each inequality.

46.  $x \geq 0$

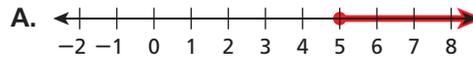
47.  $x < 10$

48.  $x \leq 12$

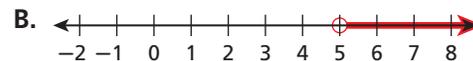
49.  $x > 8.5$

Match each inequality with its graph.

50.  $x \geq 5$



51.  $x < 5$



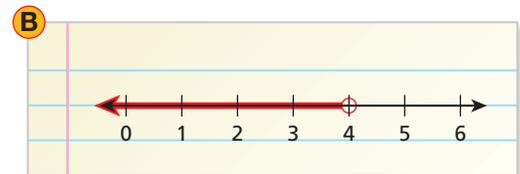
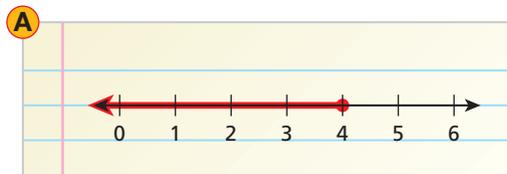
52.  $x > 5$



53.  $x \leq 5$



**H.O.T.** 54. **/// ERROR ANALYSIS ///** Two students graphed the inequality  $4 > b$ . Which graph is incorrect? Explain the error.



**Real-World Connections**



55. a. Mirna earned \$125 baby-sitting during the spring break. She needs to save \$90 for the German Club trip. She wants to spend the remainder of the money shopping. Write an inequality to show how much she can spend.  
 b. Graph the inequality you wrote in part a.  
 c. Mirna spends \$15 on a bracelet. Write an inequality to show how much money she has left to spend.