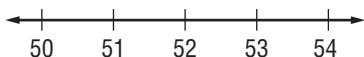


Lesson 6 Problem-Solving Practice

Write and Graph Inequalities

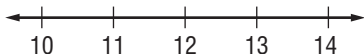
- 1. ROLLER COASTER** In order to ride a roller coaster at the theme park, riders must be at least 52 inches tall. Write and graph an inequality to show the safe heights for riders.



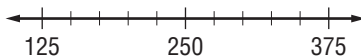
- 2. FARMING** One forklift can raise a maximum of 2,000 kilograms. Write and graph an inequality to describe the number of kilograms the forklift can raise.



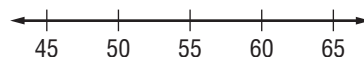
- 3. INTERSTATES** On interstate highways, the minimum allowable lane width is 12 feet. Write and graph an inequality to show the possible width of a lane.



- 4. TRAVEL** Traveling salespeople for a book company are paid at least \$250 for each trip they take to sell books. Write and graph an inequality to describe the amount salespeople are paid per trip.



- 5. SPEED LIMIT** The speed limit on most state roads is 55 miles per hour. Write and graph an inequality to describe the legal speed on state roads.



- 6. TRIP** Seniors who want to go on the group trip to the mountains have to pay at least \$400 of their total bill before the payment deadline. Write and graph an inequality to describe the acceptable payment.

