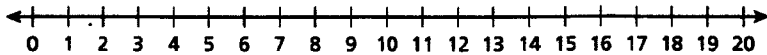


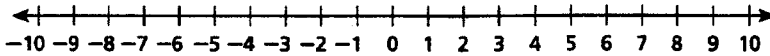
TRY THIS!

Write and graph an inequality to represent each situation.

- 3a. Megan must run a mile in 6 minutes or less to beat her best time. _____



- 3b. The temperature today will rise above 2 °F. _____



HW #50 1-10 (pg. 454), 1-13 (pg. 455)

PRACTICE

1. Which numbers in the set $\{-5, 0.03, -1, 0, 1.5, -6, \frac{1}{2}\}$ are solutions of $x \geq 0$?

Graph each inequality.

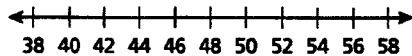
2. $t \leq 8$

3. $-7 < h$

4. $x \geq -9$

5. A child must be at least 48 inches tall to ride a roller coaster.

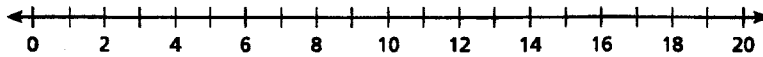
- a. Write and graph an inequality to represent this situation. _____



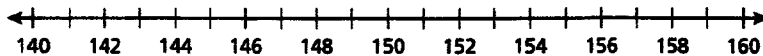
- b. Can a child who is 46 inches tall ride the roller coaster? Explain.

Write and graph an inequality to represent each situation.

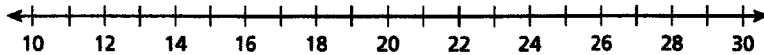
6. There are fewer than 15 students in the cafeteria. _____



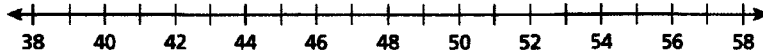
7. No more than 150 people can be seated at the restaurant. _____



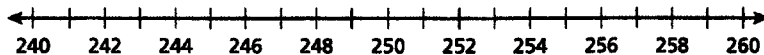
8. At least 20 students must sign up for the field trip. _____



9. Shaun can pay at most \$50 to have his computer repaired. _____



10. The goal of the fundraiser is to raise more than \$250. _____

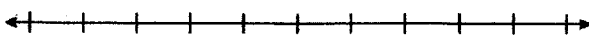


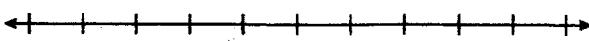
Additional Practice

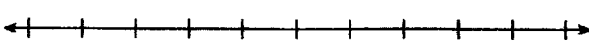
Write an inequality for each situation.

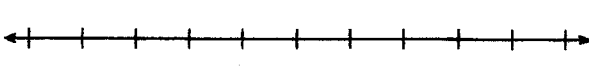
1. The temperature today will be at most 50 °F. _____
2. The temperature tomorrow will be above 70 °F. _____
3. Yesterday, there was less than 2 inches of rain. _____
4. Last Monday, there was at least 3 inches of rain. _____

Graph each inequality.

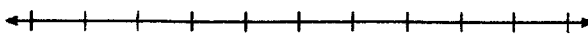
5. $t \leq -2$ 

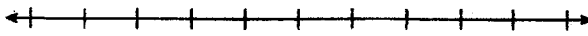
6. $j > -5$ 

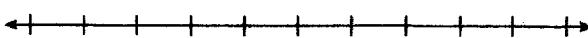
7. $y \leq 0$ 

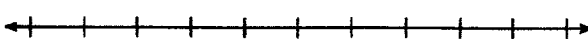
8. $b < \frac{1}{2}$ 

Graph each compound inequality.

9. $f > 3$ or $f < -2$ 

10. $-4 \leq w \leq 4$ 

11. $b < 0$ or $b \geq 5$ 

12. $y \geq 3$ or $y \leq -1$ 

13. $-4 < m < -2$ 