

LESSON
12-4 **Practice A**
Inequalities

Choose an inequality for each situation.

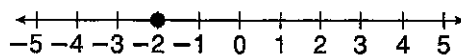
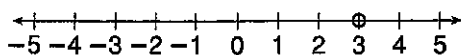
| | | | |
|----------|-------------|----------|-------------|
| $x > 10$ | $x \geq 10$ | $x < 10$ | $x \leq 10$ |
|----------|-------------|----------|-------------|

1. The temperature today will be at least 10°F. _____
2. The temperature tomorrow will be no more than 10°F. _____
3. Yesterday, there was less than 10 inches of snow. _____
4. Last Wednesday, there was more than 10 inches of snow. _____

Complete the graph for each inequality.

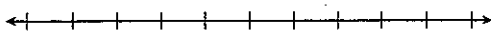
5. $a > 3$

6. $r \leq -2$

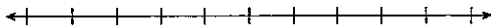


Graph each inequality.

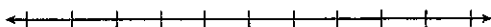
7. $w \geq 0$



8. $b \leq -4$



9. $j > 5$



write an inequality for each situation.

10. The temperature today will be at most 50°F. _____

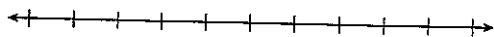
11. The temperature tomorrow will be above 70°F. _____

12. Yesterday, there was less than 2 inches of rain. _____

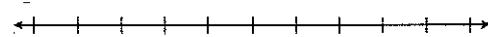
13. Last Monday, there was at least 3 inches of rain. _____

Graph each inequality.

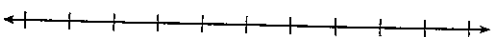
14. $t \leq -2$



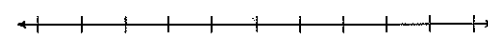
15. $x < 3$



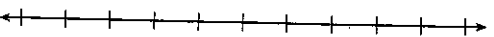
16. $j > -5$



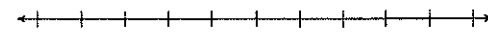
17. $\frac{1}{2} \geq r$



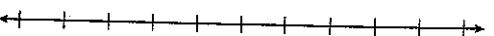
18. $y \leq 0$



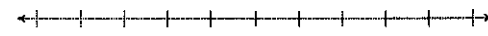
19. $2.8 < w$



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

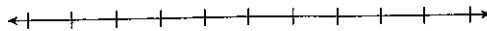


21. $y \geq -4$

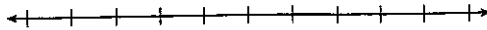


Graph each inequality ~~and graph the inequality.~~ inequality.

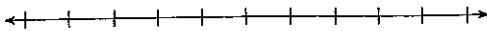
22. $x > 14$



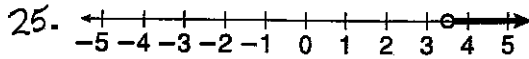
23. $t \leq -22$

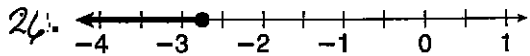


24. $j > -35$



Write an inequality shown by each graph.





Write an inequality for each situation.

27. No more than 18 people are allowed in the gallery at one time.

28. There are fewer than 8 fish in the aquarium.

29. The water level is above 45 inches.

30. The temperature is below 40°F.

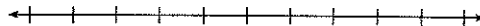
31. There are at least 24 pictures on the roll of film.

32. No more than 35 tables are in the cafeteria.

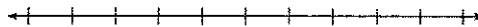
33. Fewer than 250 people attended the rally.

Graph each inequality.

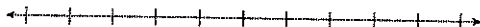
34. $s \geq -1$



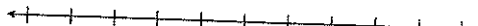
35. $y < 0$



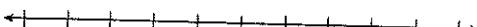
36. $n \leq -3$



37. $2 < x$



38. $-6 \leq b$



39. $m < -4$

