

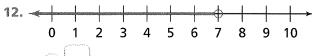
PRACTICE (1) TUTORIAL

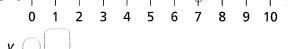


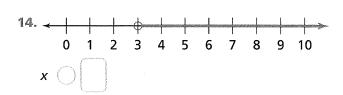


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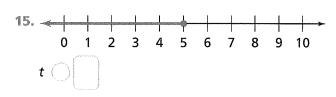
In 12-15, write the inequality that each graph represents.











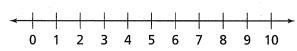
In 16-19, graph each inequality on a number line.

16.
$$h \ge 9$$





18.
$$t ≤ 6$$



19.
$$s > 1$$



In 20–27, name three solutions of each inequality.

20.
$$x > 10.5$$

22.
$$y \ge 200$$

23.
$$m \le 82$$

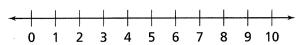
24.
$$x \ge 12$$

25.
$$q \le 3.5$$

28. The inequality $w \le 1,500$ describes the maximum weight in pounds, w, allowed by law in a freight elevator. Is a total weight of either 1,505 pounds or 1,600 pounds allowed in a freight elevator? Explain.



29. Reasoning Graph the inequalities x > 2 and x < 2 on the same number line. What value, if any, is not a solution of either inequality? Explain.



- 30. Model with Math Death Valley is the hottest place in the United States. The highest temperature ever recorded there was 134°F. The lowest temperature recorded there was 15°F. Write two inequalities that would describe the temperature, in degrees Fahrenheit, in Death Valley at any time since temperatures have been recorded.
- 31. The number line below represents the solutions of the inequality x > 7. Is 7.1 a solution? Is 7.01 a solution? Explain.



32. The temperature in a greenhouse should be 65 degrees or higher. Write an inequality to describe the allowable temperature in the greenhouse.

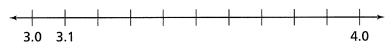
33. Higher Order Thinking Francine received a gift card to buy cell phone apps. She says that the card's value is enough to buy any of the apps shown at the right. Let v be the dollar value of the gift card. Write an inequality that best describes the value of the gift card.



- 34. The maximum load on a small plane is 400 pounds. Let w represent the weight on the plane. Write an inequality to describe the allowable weight on the plane.
- 35. Jillian is thinking of a whole number that is greater than 21. What numbers, if any, make the inequality n > 21 true for n = 0, 1, 2, 3, 4, ...?

Assessment Practice

36. Tania started a graph to show the inequality y < 3.7. Finish labeling the number line and draw the graph.



37. Bill started a graph to show the inequality $x \le 25$. Finish labeling the number line and draw the graph.

