Practice & Problem Solving ✏️ ⏻

In 18–33, find each absolute value.

18. $|-46|$

19. $|0.7|$

20. $|-\frac{2}{3}|$

21. $|-7.35|$

22. $|-4\frac{3}{4}|$

23. $|-54.5|$

24. $|27\frac{1}{4}|$

25. $|-13.35|$

26. $|14|$

27. $|-11.5|$

28. $|-6.3|$

29. $|3.75|$

30. $|-8.5|$

31. $|15|$

32. $|-6\frac{3}{4}|$

33. $|-5.3|$

In 34–37, order the numbers from least to greatest.

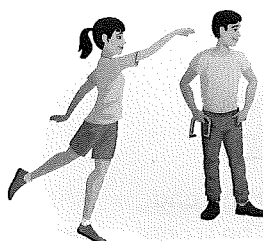34. $|-12|, |11\frac{3}{4}|, |-20.5|, |2|$

35. $|10|, |-3|, |0|, |-5.25|$

36. $|-6|, |-4|, |11|, |0|$
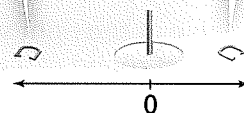
37. $|4|, |-3|, |-18|, |-3.18|$

Alberto and Rebecca toss horseshoes at a stake. Whoever's horseshoe is closer to the stake wins a point.

38. **Reasoning** What integer best describes the location of Alberto's horseshoe in relation to the stake? What integer best describes the location of Rebecca's horseshoe?

Alberto's horseshoe is 3 feet in front of the stake.

Rebecca's horseshoe is 2 feet past the stake.

39. **Critique Reasoning** Alberto says that −3 is less than 2, so he wins a point. Is Alberto correct? Explain.

40. **Model with Math** Find the distance from Alberto's horseshoe to Rebecca's horseshoe. Explain.

41. Higher Order Thinking Let a = any rational number. Is the absolute value of a different if a is a positive number or a negative number? Explain.

42. Construct Arguments Samuel and Leticia are playing a game. After the first round of the game, Samuel's score was −19, and Leticia's score was 21. The score with the greater absolute value wins each round. Who won the first round? Explain.

43. Use Structure Ana and Chuyen are exploring underground caves. Ana's location is −30 feet below the cave entrance, and Chuyen's location is −12 feet below the cave entrance. Which girl is located farther from the cave entrance?

44. Marie's account balance is −$45.62. Tom's account balance is −$42.55. Which balance represents the greater number? Which balance represents the lesser amount owed?

45. In New York, the Federal Reserve gold vault is located at a depth of $|-80|$ feet below ground. The treasure at Oak Island is believed to be at a depth of $|-134|$ feet. Which is farther below ground, the gold vault or the Oak Island treasure?

46. Two scuba divers are swimming below sea level. The locations of the divers can be represented by −30 feet and −42 feet. Which measure represents the location that is closest to sea level?

☑ Assessment Practice

47. The table at the right shows the scores at the end of the first round of a golf tournament. The scores are relative to par.

Golfer	Kate	Sam	Lisa	Carlos
Score	−6	5	2	−3

PART A

Arrange the scores in order from least to greatest.

PART B

The golfer with the least score wins the round. Who won the first round of the tournament?