

Adrienne scored 82, 54, 85, 91, and 83 on her last five science tests. For each question, choose the mean, median, or mode, and give its value.

8. Which measure best describes Adrienne's typical score? Explain.

Mean:

Median:

Mode:

Range:

9. Which measure should Adrienne use to convince her soccer coach she is doing well in science? Explain.

Find the mean, median, mode, and range of each data set.

14. 75, 63, 89, 91

15. 1, 2, 2, 2, 3, 3, 3, 4

Mean:

Mean:

Median:

Median:

Mode:

Mode:

Range:

Range:

16. 19, 25, 31, 19, 34, 22, 31, 34

17. 58, 58, 60, 60, 60, 61, 63

Mean:

Mean:

Median:

Median:

Mode:

Mode:

Range:

Range:

Identify the outlier in each data set, and determine how the outlier affects the mean, median, mode, and range of the data.

18. 42, 8, 54, 37, 29

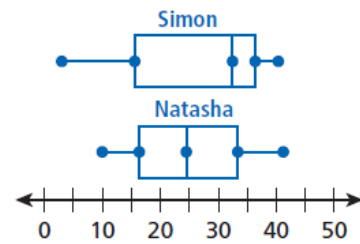
19. 3, 8, 3, 3, 23, 8

Lamont bowled 153, 145, 148, and 166 in four games. For each question, choose the mean, median, or mode, and give its value.

20. Which measure gives Lamont's average score?

21. Which measure should Lamont use to convince his parents to let him join a bowling league? Explain.

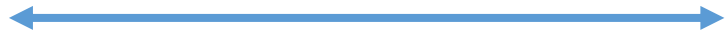
The box-and-whisker plots show the scores, in thousands of points, of two players on a video game. Use the box-and-whisker plots to answer each question.



12. Which player has a higher median score? Explain.
13. Which player had the lowest score? Estimate this score.

Use the data to make a box-and-whisker plot.

23. 85, 90, 81, 100, 92, 85



Min:

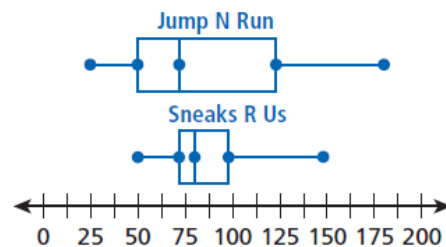
Q1:

Median:

Q3:

Max:

The box-and-whisker plots show the prices, in dollars, of athletic shoes at two sports apparel stores. Use the box-and-whisker plots to answer each question.



24. Which store has the greater median price?
About how much greater?
25. Which store has the smaller interquartile range?
What does this tell you about the data sets?
26. Estimate the difference in price between the most expensive shoe type at Jump N Run and the most expensive shoe at Sneaks R Us.

Use the data to make a box-and-whisker plot.

44. 25, 28, 26, 16, 18, 15, 25, 28, 26, 16

Min:

Q1:

Median:

Q3:

Max:



45. 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31

Min:

Q1:

Median:

Q3:

Max:



46. 1, 1, 1, 1, 2, 2, 2, 2, 3, 3, 4, 4, 4, 4, 4

Min:

Q1:

Median:

Q3:

Max:



47. 50, 52, 45, 62, 36, 55, 40, 50, 65, 33

Min:

Q1:

Median:

Q3:

Max:

