

Change the Data

Name _____

The following data set represents scores on a recent spelling test out of a possible 50 points. Use the data set to answer the questions.

HW

20, 22, 28, 30, 30, 30, 32, 35, 35, 38, 40, 44, 46, 46, 48, 48, 48, 48, 49, 50

1. What value could you add to the data set to create two different modes?

2. What value could you add to the data to create a range of 40? Is there another value that would also accomplish this task? If so, how many other values would accomplish this same task?

3. What is the mean of the original data set?

4. Is it possible to add one test score to the data and change the mean value to 40?

5. What is the median of the original data set?

6. What value could you add to the data to create a different median? Is there another value that would also accomplish this task? If so, how many other values would accomplish this same task?

Analyze data utilizing range, mean, median, and mode