



Name _____

Mean, Median, Mode, and Range

R 3-1

The table at the right shows math test scores for a group of students. Find the mean, median, mode, and range of the data. The mean, median, and mode are **measures of central tendency**. They tell you what is typical of a set of data.

| Math Test Scores | | | |
|------------------|----|---------|----|
| Sharon | 81 | Terry | 75 |
| Kurt | 94 | Melinda | 94 |
| Durrin | 77 | Kevin | 87 |
| Nicole | 80 | | |

| | |
|---|--|
| Mean: The sum of all the data divided by the number of data values | Add: $81 + 94 + 77 + 80 + 75 + 94 + 87 = 588$ Divide by the number of scores: $588 \div 7 = 84$ The mean is 84 . |
| Median: The middle number, or the average of the two middle numbers | Order the scores from least to greatest to find the middle score: 75, 77, 80, 81 , 87, 94, 94 The median is 81 . |
| Mode: The number that occurs most often | Order the scores: 75, 77, 80, 81, 87, 94, 94 The mode is 94 . |
| Range: The difference between the greatest number and the least number | Find the greatest and the least scores. Subtract. $94 - 75 = 19$ The range is 19 . |

Which measure of central tendency best indicates the typical test score?

The median of 81 is too low and the mode of 94 is too high. The mean score of 84 gives the best indication of the typical test score.

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

31, 25, 37, 25, 42

1. mean = _____ **2.** median = _____ **3.** mode = _____ **4.** range = _____

11, 5, 13, 13, 8

5. mean = _____ **6.** median = _____ **7.** mode = _____ **8.** range = _____

75, 58, 52, 60, 75

9. mean = _____ **10.** median = _____ **11.** mode = _____ **12.** range = _____