

What is the Best Measure of Central Tendency? - PRACTICE

Decide which measure of central tendency – mean, median, or mode – best describes the data. Then, explain why.

- 1) 1, 2, 3, 6, 10, 15, 20, 22, 25, 30, 32, 250
- 2) 51, 56, 48, 51, 97, 52, 123, 51, 51
- 3) 78, 84, 93, 87, 82, 85, 91, 79
- 4) 17, 14, 20, 16, 42, 15, 21, 19
- 5) 55, 58, 62, 60, 56, 61, 54, 63, 54
- 6) Create a data set where the best measure of central tendency would be the **mean**.
- 7) Create a data set where the best measure of central tendency would be the **median**.
- 8) Create a data set where the best measure of central tendency would be the **mode**.
- 9) Shoe Store A is in competition with Shoe Store B. Shoe Store A sold the following number of shoes each day last week: 21, 25, 19, 27, 48, 30. The managers of both stores are comparing their usual sales per week. Which measure of central tendency would the manager of Shoe Store A use to mislead the manager of Shoe Store B? Why?
- 10) Create your own set of data, and explain which measure of central tendency would be misleading.