



# Grade 6

## Topic: Statistical Measures

### Instructions

**Read each question carefully. Use the appropriate statistical measures such as mean, median, mode, and range to answer the questions. Show all your work clearly, including any calculations made to find the answers.**

### Part A: Finding the Mean

1. Find the mean of the following set of numbers: 6, 8, 12, 10, 14.
2. Calculate the mean of these numbers: 3, 5, 7, 10, 15, 20.
3. The ages of 5 students are: 11, 12, 14, 15, 13. Find the mean age.
4. Find the mean of the following set of test scores: 88, 92, 80, 85, 90.
5. The numbers 15, 18, 20, 22, and 30 represent the daily number of books read by a group of students. Find the mean.

## Part B: Finding the Median

1. Find the median of the following numbers: 5, 9, 8, 7, 6.
2. The scores of 5 students on a math quiz are: 15, 20, 25, 30, 35. Find the median score.
3. The ages of 7 children are: 3, 5, 8, 10, 12, 15, 20. Find the median age.
4. The following temperatures were recorded in a city during a week: 28, 30, 31, 27, 29, 32, 28. What is the median temperature?
5. Find the median of the following numbers: 17, 22, 30, 28, 25.

## Part C: Finding the Mode

1. Find the mode of the following numbers: 5, 8, 7, 6, 8, 9, 8.
2. The ages of children in a class are: 8, 9, 8, 10, 9, 8, 9. What is the mode?
3. The following list shows the number of pets owned by 6 students: 3, 4, 2, 3, 5, 3. Find the mode.
4. The scores of 7 students are: 88, 92, 85, 88, 90, 88, 87. What is the mode of the scores?
5. The number of cars parked in a parking lot during 6 hours are: 20, 25, 25, 30, 25, 28. Find the mode.

## Part D: Finding the Range

1. Find the range of the following numbers: 12, 15, 20, 30, 25.
2. The ages of 6 people are: 10, 12, 18, 22, 19, 25. What is the range?
3. The temperatures of a city over a week are: 25, 28, 29, 30, 26, 27, 31. Find the range of temperatures.
4. Find the range of the following test scores: 85, 90, 80, 75, 88.

5. The weights of 5 children are: 45, 50, 55, 60, 65. Find the range of their weights.

## Part E: Word Problems

1. A teacher records the number of pages read by her students every day for a week: 12, 15, 10, 8, 14, 13, 11. Find the mean, median, mode, and range of the pages read.
2. The heights (in cm) of 5 basketball players are: 180, 190, 175, 185, 195. What is the mean height?
3. The number of books sold by a bookstore over 5 days are: 15, 20, 10, 25, 30. Find the mean, median, mode, and range of books sold.
4. The number of visitors to a website on 5 consecutive days are: 1200, 1300, 1400, 1250, 1350. Find the mean and range of the visitors.
5. A class has 10 students with the following ages: 10, 11, 10, 12, 11, 13, 10, 12, 11, 13. What is the mode and median of the ages?

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