

Elementary Statistics Fundamentals

Statistics · Answer Key · 12 Questions

1. Which type of graph uses vertical or horizontal bars to compare categories of data?

- A) Line graph
- B) Bar chart**
- C) Scatter plot
- D) Venn diagram

2. In a set of data, what is the term for the value that appears most frequently?

- A) Mean
- B) Median
- C) Range
- D) Mode**

3. If you add all the numbers in a data set and divide by the total count of numbers, what have you calculated?

- A) Mean**
- B) Range
- C) Maximum
- D) Minimum

4. What is the 'range' of a data set defined as?

- A) The middle value
- B) The sum of all values
- C) The difference between the highest and lowest value**
- D) The most common value

5. Which visual representation uses a circle divided into slices to show parts of a whole?

- A) Histogram
- B) Pie chart**
- C) Tally table
- D) Stem-and-leaf plot

6. A 'tally' mark for the number five is traditionally represented by how many vertical lines crossed by one diagonal line?

- A) Three
- B) Four**
- C) Five
- D) Six

7. When data is ordered from smallest to largest, what is the middle value called?

- A) Median**
- B) Mean
- C) Mode
- D) Frequency

8. A pictograph uses which of the following to represent data?

- A) Arrows
- B) Calculated percentages
- C) Pictures or symbols**
- D) Lines of best fit

9. Which term describes the number of times a specific value occurs in a data set?

- A) Sum
- B) Range
- C) Frequency**
- D) Median

10. In a bar chart, what does the height or length of the bar represent?

- A) The category name
- B) The total number of items in that category**
- C) The average of all categories
- D) The range of the data

11. Which of these is a way to collect data by asking people questions?

- A) Survey**
- B) Estimation
- C) Hypothesis
- D) Prediction

12. If a data set contains the numbers 2, 2, 5, 8, and 10, what is the mode?

- A) 2**
- B) 5
- C) 8
- D) 10