

# High School Statistics Essentials

Statistics · Answer Key · 8 Questions

---

## 1. What is the 'mean' of a numerical data set?

- A) The middle value when ordered
- B) The most frequently occurring value
- C) The sum of all values divided by the number of values**
- D) The difference between the highest and lowest value

## 2. Which measure of central tendency represents the middle value of an ordered data set?

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

## 3. What is the 'range' of a data set?

- A) The difference between the maximum and minimum values**
- B) The average of the set
- C) The total number of observations
- D) The value that appears most often

## 4. In a box plot, what does the line inside the box represent?

- A) The mean
- B) The range
- C) The interquartile range
- D) The median**

## 5. What term describes the value that appears most frequently in a data set?

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

## 6. Which type of graph is best suited for showing the frequency distribution of continuous numerical data using intervals?

- A) Bar chart
- B) Histogram**
- C) Pie chart
- D) Line graph

**7. What is an 'outlier' in a data set?**

- A) The middle value
- B) A value that is significantly higher or lower than the rest of the data**
- C) The sum of the data
- D) A value that is exactly the mean

**8. Which graphical representation is typically used to show proportions of a whole?**

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