Elementary Statistics Fundamentals

Statistics · Answer Key · 6 Questions

1. In statistics, what is the 'mode' of a data set?

A) The value that appears most frequently
B) The middle value when ordered
C) The sum of all values divided by count
D) The difference between maximum and minimum

2. How is the range of a numerical data set calculated?

A) Multiply the middle value by two
B) Subtract the lowest value from the highest value
C) Add all data values together
D) Find the value that occurs most often

3. What number is represented by four vertical tally marks with a fifth diagonal mark crossing them?

A) 4
B) 10
C) 5
D) 1

4. To calculate the mean of a set of numbers, what steps must be taken?

A) Find the difference between the largest and smallest numbers
B) Identify the number in the exact middle of the list
C) Find the number that appears most often in the set
D) Add all the numbers together and divide by the total count

5. In a pictograph, what component explains the quantity represented by each symbol?

A) The key (or legend)
B) The vertical axis label
C) The graph title
D) The sample size

6. When finding the median of a data set, what step must be completed first?

A) Add all the numbers together
B) Arrange the numbers in order of size
C) Divide all values by two
D) Round every number to the nearest ten

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