High School Statistics & Probability Fundamentals

Mathematics · Answer Key · 8 Questions

1. Which measure of central tendency is calculated by adding all values in a data set and dividing by the total number of values?

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

2. In a standard deck of 52 playing cards, what is the probability of drawing an Ace on the first draw?

A) 1/52
B) 1/26
C) 4/52
D) 1/4

3. Which term describes the difference between the maximum and minimum values in a numerical data set?

A) Interquartile range
B) Standard deviation
C) Variance
D) Range

4. If an event is certain to occur, what is its probability value?

A) 0
B) 0.5
C) 1
D) 100

5. What is the median of the following set of numbers: 3, 7, 1, 9, 5?

A) 5
B) 7
C) 3
D) 9

6. Which type of graph uses bars to represent the frequency of data points grouped into continuous intervals?

A) Pie chart
B) Histogram
C) Line graph
D) Scatter plot

7. In a fair six-sided die roll, what is the probability of rolling an even number?

A) 1/6
B) 1/3
C) 1/2
D) 2/3

8. Which value appears most frequently in a given data set?

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

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