

# AI Generated Quiz

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**Question 1: What is the median of the dataset: 3, 5, 7, 9?**

- A. 6
- B. 5
- C. 7
- D. 8

**Correct Answer: A**

*Explanation: The median is the average of the two middle numbers (5 and 7) in an even-sized dataset:  $(5 + 7)/2 = 6$ .*

Your Answer: A

Result: Correct

**Question 2: Which measure describes the spread of data around the mean?**

- A. Standard deviation
- B. Median
- C. Mode
- D. Mean

**Correct Answer: A**

*Explanation: Standard deviation quantifies how much the data points deviate from the mean.*

Your Answer: C

Result: Incorrect

**Question 3: What is the probability of rolling a 3 on a fair six-sided die?**

- A.  $\frac{1}{6}$
- B.  $\frac{1}{3}$
- C.  $\frac{1}{2}$
- D.  $\frac{1}{4}$

**Correct Answer: A**

*Explanation: There is one favorable outcome (rolling a 3) out of six possible outcomes.*

Your Answer: C

Result: Incorrect

**Question 4: In the dataset [2, 4, 4, 5, 6], what is the mode?**

- A. 4
- B. 2
- C. 5
- D. 6

**Correct Answer: A**

*Explanation: The mode is the most frequently occurring value, which is 4 in this dataset.*

Your Answer: C

Result: Incorrect

**Question 5: What is the range of the values [10, 15, 20, 25]?**

- A. 15
- B. 10
- C. 20
- D. 25

**Correct Answer: A**

*Explanation: Range is calculated as the difference between the maximum (25) and minimum (10)*

*values:  $25 - 10 = 15$ .*

Your Answer: C

Result: Incorrect

**Final Score: 1/5**