Strand E (test)

Choose the most appropriate response.

1. The sum of all probabilities equal to:

   a) 4

   b) 1

   c) 3

   d) 2

2. The probability of each event lies between:

   a) 1 and 2

   b) 1 and 10

   c) O and 1

   d) 0 and 5

3. If P(E) = 0.44, then P(not E) will be:

   a) 0.44

   b) 0.55

   c) 0.50

   d) 0.56

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4. If P(E) = 0.38, then probability of event E, not occurring is:

   a) 0.62

   b) 0.38

   c) 0.48

   d) 1

5. A dice is thrown. The probability of getting 1 and 5 is:

   a) $\frac{1}{6}$

   b) $\frac{2}{3}$

   c) $\frac{1}{3}$

   d) $\frac{1}{2}$

6. Which of the following best describes random sampling?

   a) Selecting individuals who volunteer for a survey

   b) Choosing participants based on specific characteristics

   c) Picking individuals randomly, ensuring each has an equal chance of being chosen

   d) Surveying the entire population to get accurate results

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7. When organizing data in tabular form, what is the purpose of column headings?

   a) To make the table visually appealing

   b) To occupy space and improve layout

   c) To provide context and describe the information in each column

   d) To make the table larger and more noticeable

8. You conducted a survey on students' favorite book genres and organized the data in a table. What is the most appropriate next step?

   a) Draw conclusions without discussing the data

   b) Ignore the data and move to another topic

   c) Analyze and interpret the data to gain insights

   d) Organize the data in a pie chart for better visualization

9. A circle graph is used for

   a) displaying continuous data only

   b) displaying data that are always in percentages

   c) displaying discrete data only

   d) displaying both discrete and continuous data

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10. Performing an event once is called

a) Sample

b) Trail

c) Error

d) None of the above

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