

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) 0 and 1
 - d) 0 and 5

3. If $P(E) = 0.44$, then $P(\text{not } E)$ will be:
 - a) 0.44
 - b) 0.55
 - c) 0.50
 - d) 0.56

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

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

10. Performing an event once is called

- a) Sample
- b) Trial
- c) Error
- d) None of the above

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