ALASKA GEOMETRY · UNIT 4 · 10 QUESTIONS

Data Analysis and Probability — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The data are 10 and 14. The population standard deviation is**

- **A** 4
- **B** 2
- **C** 1
- **D** 14

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2 **The data are 5 and 9. The mean absolute deviation is**

- **A** 4
- **B** 0
- **C** 7
- **D** 2

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3 **A fair six sided die is rolled once. The probability of rolling a number greater than 4 is**

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

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4 Two fair coins are tossed. The probability of at least one head is

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

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5 A card is drawn from a standard deck. The probability of drawing a face card is

- **A** $\frac{1}{13}$
- **B** $\frac{3}{13}$
- **C** $\frac{1}{4}$
- **D** $\frac{4}{13}$

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6 **The probability of an event is 0.82. The probability it does not happen is**

- **A** 0.82
- **B** 0.18
- **C** 1.82
- **D** 0.082

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7 **Two fair dice are rolled. The probability the sum is 7 is**

- **A** $\frac{1}{6}$
- **B** $\frac{5}{36}$
- **C** $\frac{7}{36}$
- **D** $\frac{1}{12}$

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8 **A line of best fit is y = -2x + 9. The predicted value of y when x = 4 is**

A -1

B 17

C 1

D 7

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9 **For a data point, the actual value is 30 and the predicted value is 27. The residual is ____**

ANSWER _____

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10 **A bag has 5 red balls and 15 blue balls. The probability of drawing a red ball is ____**

ANSWER _____

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ANSWER KEY

1.	B	**5.**	B	**9.**	3
2.	D	**6.**	B	**10.**	0.25
3.	A	**7.**	A		
4.	C	**8.**	C		

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