ARKANSAS 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 **A fair six sided die is rolled The probability of rolling a 5 or a 6 is**

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

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2 **A bag has 5 red marbles and 15 blue marbles The probability of drawing a blue marble is**

- **A** $\frac{1}{4}$
- **B** $\frac{3}{4}$
- **C** $\frac{1}{3}$
- **D** $\frac{5}{20}$

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3 **Events A and B are independent The probability of A is 0.2 and the probability of B is 0.5. The probability of both A and B is**

- **A** 0.7
- **B** 0.3
- **C** 0.1
- **D** 0.25

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4 **The number of ways to arrange 4 different flags in a row is**

A 16

B 24

C 12

D 8

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5 **A committee of 2 is chosen from 8 people The number of different committees is**

A 16

B 56

C 64

D 28

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6 **In a data set, the first quartile is 15 and the third quartile is 38. The interquartile range is**

- A 53
- B 23
- C 26.5
- D 15

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7 **Out of 150 students, 60 play tennis and 40 play golf If 20 play both, the number who play neither is**

- A 90
- B 50
- C 20
- D 70

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8 **A data set has mean 80 and standard deviation 4. A value of 72 is how many standard deviations below the mean?**

- A 8
- B 4
- C 2
- D 20

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9 **The mean of 5, 15, 25, 35 is ____**

ANSWER _____

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10 **Two fair dice are rolled The probability the sum is 2 is**

A $\frac{1}{36}$

B $\frac{1}{18}$

C $\frac{1}{12}$

D $\frac{1}{6}$

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ANSWER KEY

1.	D	**5.**	D	**9.**	20
2.	B	**6.**	B	**10.**	A
3.	C	**7.**	D		
4.	B	**8.**	C		

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