ARIZONA ALGEBRA II · UNIT 4 · 10 QUESTIONS

Statistics 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 **In a standard deck of 52 cards, 26 are red The probability of drawing a red card is**

- **A** $\frac{3}{4}$
- **B** $\frac{1}{2}$
- **C** $\frac{1}{13}$
- **D** $\frac{1}{4}$

Understand It with Pulse | Flag a mistake

2 The number of ways to choose 2 items from 6 is

- A 15
- B 12
- C 6
- D 30

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3 The number of ordered ways to choose 3 items from 5 is

- A 10
- B 20
- C 120
- D 60

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4 **A normal distribution has mean 50 and standard deviation 10. Two standard deviations above the mean is**

- A 60
- B 50
- C 70
- D 80

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5 **A score of 40 has mean 50 and standard deviation 5 Its z score is**

- A -2
- B -10
- C 2
- D 10

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6

A correlation of 0.08 shows a

A strong positive relationship

B weak relationship

C perfect relationship

D strong negative relationship

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7

The expected number of heads in 40 fair coin flips is

A 30

B 10

C 20

D 40

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8 **If the first quartile is 12 and the third quartile is 30 the interquartile range is**

- A 30
- B 12
- C 18
- D 42

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9 **A population has 2000 members and a sample of one tenth of the population is studied. The sample size is**

- A 1800
- B 200
- C 2000
- D 20

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

ANSWER

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ANSWER KEY

1.	B	**5.**	A	**9.**	B
2.	A	**6.**	B	**10.**	0.5
3.	D	**7.**	C		
4.	C	**8.**	C		

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