CALIFORNIA STATISTICS · UNIT 2 · 5 QUESTIONS

Probability and Probability Distributions — 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 coin is tossed twice. The probability of at least one head is**

- A 1
- B 0.5
- C 0.25
- D 0.75

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

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

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3 **A bag has 3 red and 9 blue marbles. The probability of blue is**



A 0.75

B 0.25

C 0.33

D 0.9

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4 **If P(A) = 0.2 and P(B) = 0.3 for independent events, P(A and B) is**

- A 0.06
- B 0.1
- C 0.6
- D 0.5

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5 **If P(A) = 0.5, P(B) = 0.4, and P(A and B) = 0.2, then P(A or B) is**

- A 0.3
- B 1.1
- C 0.9
- D 0.7

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ANSWER KEY

1. D
2. D
3. A
4. A
5. D

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