PROBABILITY AND COUNTING: FUNDAMENTAL COUNTING PRINCIPLE, PERMUTATIONS, AND COMBINATIONS - PRACTICE TEST | NEW BRUNSWICK FOUNDATIONS OF MATHEMATICS 120 · UNIT C · 10 QUESTIONS

Probability and Counting: Fundamental Counting Principle, Permutations, and Combinations — 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 probability of rolling a 3 on a fair six sided die, as a decimal to three decimal places, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The probability of rolling a 4 on a fair six sided die, as a decimal to three decimal places, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The probability of rolling a 5 on a fair six sided die, as a decimal to three decimal places, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The probability of rolling a 6 on a fair six sided die, as a decimal to three decimal places, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Events A and B are independent with P(A) equals 0.5 and P(B) equals 0.4. P(A and B) to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Events A and B are independent with P(A) equals 0.3 and P(B) equals 0.6. P(A and B) to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Events A and B are independent with P(A) equals 0.2 and P(B) equals 0.5. P(A and B) to two decimal places is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Events A and B are independent with P(A) equals 0.8 and P(B) equals 0.25. P(A and B) to two decimal places is**

ANSWER

Understand It with Pulse | Flag a mistake

9 **Events A and B are independent with P(A) equals 0.4 and P(B) equals 0.75. P(A and B) to two decimal places is**

ANSWER

Understand It with Pulse | Flag a mistake

10 **Events A and B are independent with P(A) equals 0.6 and P(B) equals 0.5. P(A and B) to two decimal places is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	0.5	**5.**	0.20	**9.**	0.30
2.	0.667	**6.**	0.18	**10.**	0.30
3.	0.833	**7.**	0.10		
4.	1	**8.**	0.20		

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