PERMUTATIONS, COMBINATIONS, AND BINOMIAL THEOREM - PRACTICE TEST | NEW BRUNSWICK PRE-CALCULUS B 120 · UNIT D · 10 QUESTIONS

Permutations, Combinations, and Binomial Theorem — 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 number of permutations of 7 objects taken 3 at a time is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The number of permutations of 8 objects taken 4 at a time is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Choosing a committee of 2 from 8 people is counted with**

- A combinations
- B permutations
- C the fundamental counting principle only
- D factorials only

Understand It with Pulse | Flag a mistake

4 **Choosing a committee of 5 from 9 people is counted with**

- A permutations
- B combinations
- C the fundamental counting principle only
- D factorials only

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The number of ways to arrange 5 different letters in a row is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The number of ways to arrange 6 different letters in a row is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The number of ways to arrange 7 different letters in a row is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The number of ways to select and arrange 3 books from 5 different books is**

ANSWER

Understand It with Pulse | Flag a mistake

10 **The number of ways to select and arrange 2 books from 7 different books is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	210	**5.**	24	**9.**	60
2.	1680	**6.**	120	**10.**	42
3.	A	**7.**	720		
4.	B	**8.**	5040		

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