NEWFOUNDLAND AND LABRADOR MATHEMATICS 3200 · UNIT E · 10 QUESTIONS

Combinatorics — 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 **C(7, 0) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **7! is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The number of different committees of 2 people that can be chosen from 11 people is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The number of different committees of 3 people that can be chosen from 14 people is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A 3 digit code uses digits, and repetition is allowed. The number of different codes is**

ANSWER

Understand It with Pulse | Flag a mistake

6 **A 3 digit code uses different digits. The number of different codes is**

ANSWER

Understand It with Pulse | Flag a mistake

7 **A student owns 3 hats, 4 shirts and 2 pairs of shoes. The number of different outfits is**

ANSWER

Understand It with Pulse | Flag a mistake

8 **Two fair dice are rolled. The number of possible outcomes is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Two fair dice are rolled. The probability the sum is 7 is**

A $\frac{1}{6}$

B $\frac{1}{12}$

C $\frac{1}{4}$

D $\frac{1}{36}$

Understand It with Pulse | Flag a mistake

10 **The number of ways to arrange 8 different books in a row is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 1
2. 5040
3. 55
4. 364
5. 1000
6. 720
7. 24
8. 36
9. A
10. 40320

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