NEWFOUNDLAND AND LABRADOR MATHEMATICS 3201 · UNIT C · 10 QUESTIONS

# Probability and 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 **A die is rolled 120 times. The expected number of sixes is**

ANSWER _____

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2 **A bag has 5 blue and 3 green marbles. The probability of drawing a green marble is, as a decimal**

ANSWER _____

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**3** The probability of an impossible event is

- **A** 0
- **B** 1
- **C** $\frac{1}{2}$
- **D** -1

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**4** C(6, 3) is

ANSWER _____

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**5** P(5, 3) is

ANSWER _____

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**6** A fair coin is tossed twice. The probability of two heads is

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

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**7** A fair die is rolled. The probability of not rolling a 6 is

- **A** $\frac{1}{6}$
- **B** $\frac{5}{6}$
- **C** $\frac{1}{2}$
- **D** $\frac{1}{3}$

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**8** A die is rolled 30 times. The expected number of threes is

ANSWER _____

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**9** Odds of 2 to 3 in favour of an event mean the probability of the event is

A $\frac{3}{5}$

B $\frac{2}{3}$

C $\frac{2}{5}$

D $\frac{1}{2}$

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**10** A die is rolled twice. The number of possible outcomes is

ANSWER _____

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# ANSWER KEY

1. 20
2. 0.38
3. A
4. 20
5. 60
6. A
7. B
8. 5
9. C
10. 36

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