NEWFOUNDLAND AND LABRADOR MATHEMATICS 2201 · UNIT E · 10 QUESTIONS

Statistics and Probability — 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 **Think about the property. Two independent events have probabilities $\frac{1}{2}$ and $\frac{1}{3}$. The probability both occur is**

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

Understand It with Pulse | Flag a mistake

2 **Recall the property. Adding a very large outlier to a data set will**

A decrease the median always

B leave the mean unchanged

C increase the mean

D decrease the range

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3 **The number of ways to arrange 5 distinct books in a row is**

ANSWER _____

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4 **In 40 tosses, a coin landed heads 12 times. The experimental probability of heads, as a decimal, is**

ANSWER _____

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5 **The mean of 3, 5, 7, 9, 11 is**

ANSWER _____

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6 **The median of 3, 6, 10, 15 is**

ANSWER _____

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7 **The mode of 5, 5, 8, 8, 8 is**

ANSWER _____

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8 **The range of 3, 17, 9, 11 is**

ANSWER _____

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9 **A bag has 12 balls, of which 4 are red. The probability of drawing a red ball is**

- **A** $\frac{8}{12}$
- **B** $\frac{4}{12}$
- **C** $\frac{4}{8}$
- **D** $\frac{1}{4}$

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10 **Review the statement. The probability, as a decimal, that two fair coins both land heads is**

ANSWER _____

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ANSWER KEY

1. B
2. C
3. 120
4. 0.3
5. 7
6. 8
7. 8
8. 14
9. B
10. 0.25

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