CONNECTICUT ALGEBRA II · UNIT 4 · 25 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 **The mean of 4, 6, 8, 10, 12 is**

ANSWER _____

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2 **The mean of 5, 5, 9, 11, 15 is**

ANSWER _____

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3 **The mean of 2, 7, 7, 10, 14 is**

ANSWER _____

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4 **The mean of 3, 6, 9, 12, 20 is**

ANSWER _____

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5 **The mean of 10, 12, 14, 16, 18 is**

ANSWER _____

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6 **The median of 4, 6, 8, 10, 12 is**

ANSWER _____

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7 **The median of 5, 5, 9, 11, 15 is**

ANSWER _____

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8 **The median of 2, 7, 7, 10, 14 is**

ANSWER _____

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9 **The median of 3, 6, 9, 12, 20 is**

ANSWER _____

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10 **The median of 10, 12, 14, 16, 18 is**

ANSWER _____

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11 **The number of combinations of 5 items taken 2 at a time is**

ANSWER _____

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12 **The number of combinations of 6 items taken 2 at a time is**

ANSWER _____

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13 **The number of combinations of 7 items taken 2 at a time is**

ANSWER _____

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14 **The number of combinations of 8 items taken 2 at a time is**

ANSWER _____

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15 **The number of combinations of 10 items taken 2 at a time is**

ANSWER _____

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16 **The number of permutations of 5 items taken 2 at a time is**

ANSWER _____

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17 **The number of permutations of 6 items taken 2 at a time is**

ANSWER _____

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18 **The number of permutations of 4 items taken 2 at a time is**

ANSWER _____

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19 **The number of permutations of 7 items taken 2 at a time is**

ANSWER _____

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20 **The number of permutations of 3 items taken 2 at a time is**

ANSWER _____

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21 **A bag has 3 red marbles out of 10 marbles. The probability of drawing red is**

- **A** $\frac{3}{10}$
- **B** $\frac{7}{10}$
- **C** $\frac{1}{3}$
- **D** $\frac{1}{5}$

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22 **A bag has 4 red marbles out of 10 marbles. The probability of drawing red is**

- **A** $\frac{6}{10}$
- **B** $\frac{4}{10}$
- **C** $\frac{1}{3}$
- **D** $\frac{4}{5}$

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23 **A bag has 2 red marbles out of 10 marbles. The probability of drawing red is**

- **A** $\frac{8}{10}$
- **B** $\frac{1}{3}$
- **C** $\frac{2}{10}$
- **D** $\frac{2}{5}$

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24 **A bag has 6 red marbles out of 10 marbles. The probability of drawing red is**

- **A** $\frac{4}{10}$
- **B** $\frac{1}{3}$
- **C** $\frac{6}{5}$
- **D** $\frac{6}{10}$

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25 **A bag has 1 red marbles out of 10 marbles. The probability of drawing red is**

A $\frac{1}{10}$

B $\frac{9}{10}$

C $\frac{1}{3}$

D $\frac{1}{5}$

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ANSWER KEY

1. 8
2. 9
3. 8
4. 10
5. 14
6. 8
7. 9
8. 7
9. 9
10. 14
11. 10
12. 15
13. 21
14. 28
15. 45
16. 20
17. 30
18. 12
19. 42
20. 6
21. A
22. B
23. C
24. D
25. A

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