DELAWARE 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 **How many ways can 2 items be chosen from 8 items, where order does not matter?**

ANSWER _____

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2 **How many ways can 2 items be arranged from 6 items, where order matters?**

ANSWER _____

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3 **A bag holds 10 marbles, of which 3 are red. The probability of drawing a red marble is**

- **A** $\frac{4}{10}$
- **B** $\frac{7}{10}$
- **C** $\frac{1}{10}$
- **D** $\frac{3}{10}$

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4 **A bag holds 12 marbles, of which 5 are red. The probability of NOT drawing a red marble is**

- **A** $\frac{7}{12}$
- **B** $\frac{5}{12}$
- **C** $\frac{12}{5}$
- **D** $\frac{1}{12}$

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5 **The mean of 12, 5, 7, 12 is**

ANSWER _____

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6 **The median of 4, 15, 16, 18, 23 is**

A 4

B 23

C 16

D 15

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7 **The range of 29, 13, 28, 28, 6 is**

ANSWER _____

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8 How many ways can 2 items be chosen from 6 items, where order does not matter?

ANSWER _____

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9 How many ways can 2 items be arranged from 5 items, where order matters?

ANSWER _____

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10 A bag holds 12 marbles, of which 5 are red. The probability of drawing a red marble is

A $\frac{6}{12}$

B $\frac{7}{12}$

C $\frac{1}{12}$

D $\frac{5}{12}$

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11 **A bag holds 10 marbles, of which 4 are red. The probability of NOT drawing a red marble is**

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

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12 **The mean of 10, 6, 14, 18 is**

ANSWER _____

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13 **The median of 3, 21, 25, 26, 28 is**

A 3

B 28

C 25

D 20

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14 **The range of 6, 20, 19, 16, 16 is**

ANSWER _____

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15 **Find the mean of 8, 7, 10, 3.**

ANSWER _____

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16 **How many ways can 3 items be chosen from 8 items, where order does not matter?**

ANSWER

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17 **A bag holds 12 marbles, of which 2 are red. The probability of NOT drawing a red marble is**

A $\frac{10}{12}$

B $\frac{2}{12}$

C $\frac{12}{2}$

D $\frac{1}{12}$

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18 **The mean of 16, 18, 6, 16 is**

ANSWER

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19 The median of 14, 18, 26, 27, 29 is

- A 14
- B 29
- C 26
- D 22

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20 The range of 13, 25, 15, 23, 25 is

ANSWER _____

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21 Find the mean of 2, 11, 6, 5.

ANSWER _____

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22 **How many ways can 2 items be chosen from 5 items, where order does not matter?**

ANSWER _____

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23 **A bag holds 20 marbles, of which 5 are red. The probability of drawing a red marble is**

A $\frac{6}{20}$

B $\frac{15}{20}$

C $\frac{1}{20}$

D $\frac{5}{20}$

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24 **A bag holds 20 marbles, of which 2 are red. The probability of NOT drawing a red marble is**

- **A** $\frac{18}{20}$
- **B** $\frac{2}{20}$
- **C** $\frac{20}{2}$
- **D** $\frac{1}{20}$

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25 **The mean of 16, 19, 13, 13 is**

ANSWER _____

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ANSWER KEY

1. 28
2. 30
3. D
4. A
5. 9
6. C
7. 23
8. 15
9. 20
10. D
11. A
12. 12
13. C
14. 14
15. 7
16. 56
17. A
18. 14
19. C
20. 12
21. 6
22. 10
23. D
24. A
25. 15.25

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