NEWFOUNDLAND AND LABRADOR MATHEMATICS 2201 · UNIT E · 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 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The median of 1, 4, 7, 10, 13 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The mode of 1, 2, 2, 2, 9 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The range of 5, 12, 8, 20 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A bag has 10 balls, of which 3 are red. The probability of drawing a red ball is**



A $\frac{3}{10}$

B $\frac{7}{10}$

C $\frac{3}{7}$

D $\frac{1}{3}$

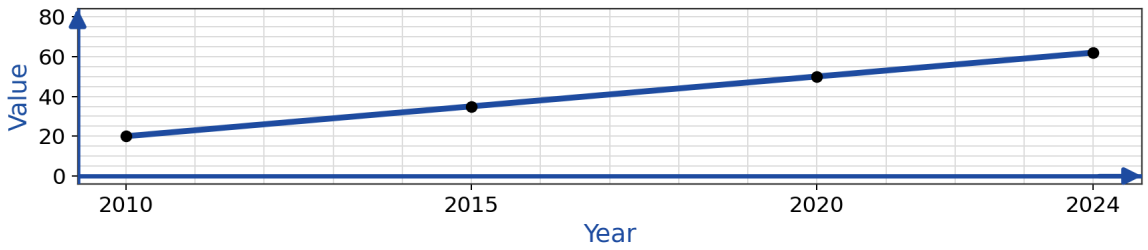
Understand It with Pulse | Flag a mistake

6 **The probability, as a decimal, that two fair coins both land heads is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The graph shows a value over time. The value in 2020 was**



A 35

B 62

C 50

D 20

Understand It with Pulse | Flag a mistake

8

Start from the definition. Standard deviation measures

A the middle value

B the most common value

C the largest value

D spread around the mean

Understand It with Pulse

Flag a mistake

9 **Remember how the term is defined. The median is also called**



A the second quartile

B the first quartile

C the third quartile

D the range

Understand It with Pulse | Flag a mistake

10 **If the probability of rain is 0.20, the probability of no rain, as a decimal, is**

ANSWER

Understand It with Pulse | Flag a mistake

11 **Two independent events have probabilities $\frac{1}{2}$ and $\frac{1}{3}$. The probability both occur is**



A $\frac{1}{5}$

B $\frac{2}{3}$

C $\frac{1}{6}$

D $\frac{5}{6}$

Understand It with Pulse | Flag a mistake

12 **Recall the rule. Adding a very large outlier to a data set will**



A decrease the median always

B leave the mean unchanged

C decrease the range

D increase the mean

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **In 50 tosses, a coin landed heads 15 times. The experimental probability of heads, as a decimal, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **The mean of 2, 4, 6, 8 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The median of 8, 4, 6, 2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The mode of 2, 3, 3, 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **The range of 10, 25, 15, 30 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A bag has 20 balls, of which 5 are red. The probability of drawing a red ball is**



A $\frac{15}{20}$

B $\frac{5}{15}$

C $\frac{5}{20}$

D $\frac{1}{5}$

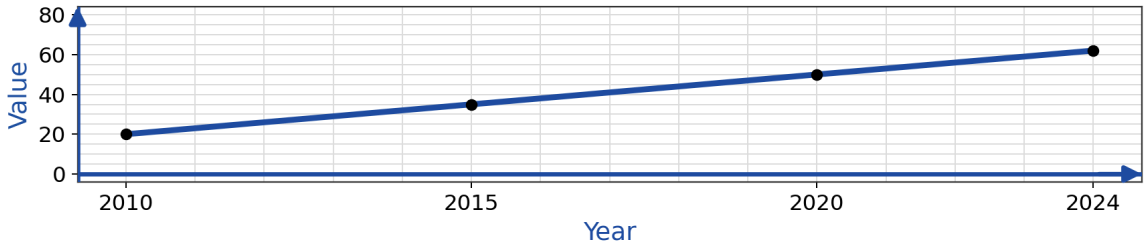
Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **Think about the principle. The graph shows a value over time. The value in 2020 was**



A 50

B 35

C 62

D 20

Understand It with Pulse | Flag a mistake

22 **Recall the principle. Standard deviation measures**

A the middle value

B spread around the mean

C the most common value

D the largest value

Understand It with Pulse | Flag a mistake

23 **Apply the principle. The median is also called**

A the first quartile

B the third quartile

C the second quartile

D the range

Understand It with Pulse | Flag a mistake

24 **If the probability of rain is 0.25, the probability of no rain, as a decimal, is**

ANSWER

Understand It with Pulse | Flag a mistake

25 **Review the principle. Two independent events have probabilities $\frac{1}{2}$ and $\frac{1}{3}$. The probability both occur is**



A $\frac{1}{6}$

B $\frac{1}{5}$

C $\frac{2}{3}$

D $\frac{5}{6}$

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 7
2. 7
3. 2
4. 15
5. A
6. 0.25
7. C
8. D
9. A
10. 0.8
11. C
12. D
13. 6
14. 0.3
15. 5
16. 5
17. 3
18. 20
19. C
20. 0.25
21. A
22. B
23. C
24. 0.75
25. A

© 2026 Brett Robbins. All Rights Reserved.