QUEBEC MATHEMATICS, SCIENCE OPTION, SECONDARY IV · UNIT E · 25 QUESTIONS

Statistics — 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 regression line is y=7x+20. The predicted value when x=4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **In a data set 8 out of 20 values are below 50. The percent below 50 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The data are 25 30 35 40 45. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The data are 24 27 29 32 38. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 The data are 22 22 23 27 28. The mode is

- A 22
- B 23
- C 28
- D 24

Understand It with Pulse | Flag a mistake

6 The data are 25 30 35 40 45. The range is

ANSWER _____

Understand It with Pulse | Flag a mistake

7 A data set has first quartile 10 and third quartile 22. Its interquartile range is

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A group selected from a larger group for study is**

A a sample

B a population

C a census

D a parameter

Understand It with Pulse | Flag a mistake

9 **As one variable increases the other also increases. The correlation is**

A negative

B positive

C no correlation

D perfect

Understand It with Pulse | Flag a mistake

10 As one variable increases the other decreases. The correlation is

- A positive
- B negative
- C no correlation
- D perfect

Understand It with Pulse | Flag a mistake

11 Scores 100 and 110 have weights 1 and 3. The weighted mean is

ANSWER _____

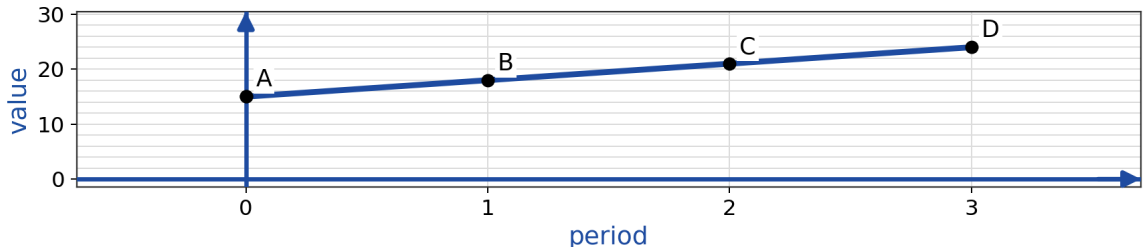
Understand It with Pulse | Flag a mistake

12 The data are 4 6 6 6 7 7 9 11. The standard deviation is

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The graph shows a quantity over four periods. The increase from the first to the last period is**



ANSWER

Understand It with Pulse | Flag a mistake

14 **A regression line is y=4x+23. The predicted value when x=10 is**

ANSWER

Understand It with Pulse | Flag a mistake

15 **In a data set 18 out of 20 values are below 50. The percent below 50 is**

ANSWER

Understand It with Pulse | Flag a mistake

16 **The data are 32 35 38 41 44. The mean is**

ANSWER

Understand It with Pulse | Flag a mistake

17 The data are 28 30 32 34 40. The median is

ANSWER _____

Understand It with Pulse | Flag a mistake

18 The data are 24 24 27 29 32. The mode is

A 24

B 27

C 32

D 26

Understand It with Pulse | Flag a mistake

19 The data are 24 27 29 32 38. The range is

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A regression line is y=4x+30. The predicted value when x=7 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **In a data set 12 out of 20 values are below 50. The percent below 50 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The data are 28 30 32 34 40. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The data are 32 35 38 41 44. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **The data are 23 25 25 28 30. The mode is**

- A 25
- B 30
- C 23
- D 27

Understand It with Pulse | Flag a mistake

25 **The data are 22 24 26 28 30. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 48
2. 40
3. 35
4. 29
5. A
6. 20
7. 12
8. A
9. B
10. B
11. 107.5
12. 2
13. 9
14. 63
15. 90
16. 38
17. 32
18. A
19. 14
20. 58
21. 60
22. 32.8
23. 38
24. A
25. 8

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