QUEBEC MATHEMATICS, CULTURAL, SOCIAL AND TECHNICAL OPTION, SECONDARY IV · UNIT E

Statistics — Practice Test

Quebec Mathematics, Cultural, Social and Technical Option, Secondary IV • 25 questions

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=2x+10. The predicted value when x=7 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **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

3 **Scores 70 and 85 have weights 2 and 2. The weighted mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 The data are 2 4 4 4 5 5 7 9. The mean is

ANSWER _____

Understand It with Pulse | Flag a mistake

5 The data are 4 7 9 12 18. The median is

ANSWER _____

Understand It with Pulse | Flag a mistake

6 The data are 2 2 3 7 8. The mode is

A 2

B 3

C 8

D 4

Understand It with Pulse | Flag a mistake

7 **A data set has first quartile 8 and third quartile 20. 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 **Survey responses are 10 20 30 40. The mean response is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The data are 5 10 15 20 25. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **A regression line is y=3x+1. The predicted value when x=5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **Scores 80 and 90 have weights 1 and 3. The weighted mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The data are 12 15 18 21 24. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The data are 1 3 5 7 9. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 The data are 6 9 9 9 14. The mode is

- A 9
- B 14
- C 6
- D 11

Understand It with Pulse | Flag a mistake

19 A data set has first quartile 5 and third quartile 15. Its interquartile range is

ANSWER _____

Understand It with Pulse | Flag a mistake

20 A regression line is y=5x+0. The predicted value when x=4 is

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **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

22 **Scores 60 and 90 have weights 1 and 2. The weighted mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The data are 5 10 15 20 25. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **The data are 2 4 6 8 10. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **The data are 3 5 5 8 10. The mode is**

A 5

B 10

C 3

D 7

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	24	**10.**	B	**19.**	10
2.	90	**11.**	25	**20.**	20
3.	77.5	**12.**	20	**21.**	40
4.	5	**13.**	16	**22.**	80
5.	9	**14.**	75	**23.**	15
6.	A	**15.**	87.5	**24.**	6
7.	12	**16.**	18	**25.**	A
8.	A	**17.**	5		
9.	B	**18.**	A		

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