Statistics — Practice Test

Quebec Mathematics, Technical and Scientific 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 data set has first quartile 6 and third quartile 16. Its interquartile range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A regression line is y=3x+13. The predicted value when x=10 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **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

4 **The data are 12 14 16 18 20. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The data are 18 20 22 24 30. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The data are 13 15 15 18 20. The mode is**

A 15

B 20

C 13

D 17

Understand It with Pulse | Flag a mistake

7 **The data are 12 14 16 18 20. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Scores 70 and 100 have weights 1 and 2. The weighted mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

A negative

B positive

C no correlation

D perfect

Understand It with Pulse | Flag a mistake

10 **The data are 3 5 5 5 6 6 8 10. The standard deviation is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **A data set has first quartile 13 and third quartile 27. Its interquartile range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A regression line is y=6x+10. The predicted value when x=4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **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

14 **The data are 13 15 18 20 24. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **The data are 13 15 18 20 24. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The data are 14 14 17 19 22. The mode is**

A 14

B 17

C 22

D 16

Understand It with Pulse | Flag a mistake

17 **The data are 11 13 15 17 19. The range is**

ANSWER

Understand It with Pulse | Flag a mistake

18 **Scores 80 and 95 have weights 2 and 2. The weighted mean is**

ANSWER

Understand It with Pulse | Flag a mistake

19 **A data set has first quartile 9 and third quartile 21. Its interquartile range is**

ANSWER

Understand It with Pulse | Flag a mistake

20 **A regression line is y=5x+12. The predicted value when x=6 is**

ANSWER

Understand It with Pulse | Flag a mistake

21 **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

22 **The data are 15 20 25 30 35. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The data are 12 14 16 18 20. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **The data are 16 19 19 19 24. The mode is**

- A 19
- B 24
- C 16
- D 21

Understand It with Pulse | Flag a mistake

25 **The data are 18 20 22 24 30. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	10	**10.**	2	**19.**	12
2.	43	**11.**	14	**20.**	42
3.	75	**12.**	34	**21.**	90
4.	16	**13.**	60	**22.**	25
5.	22	**14.**	18	**23.**	16
6.	A	**15.**	18	**24.**	A
7.	8	**16.**	A	**25.**	12
8.	90	**17.**	8		
9.	A	**18.**	87.5		

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