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

Statistics — Practice Test

Quebec Mathematics, Cultural, Social and Technical Option, Secondary V • 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 **In a data set 19 out of 20 values are below 50. The percent below 50 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The data are 5 7 7 7 8 8 10 12. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The data are 42 45 48 51 54. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 The data are 33 35 35 38 40. The mode is

- A 35
- B 40
- C 33
- D 37

Understand It with Pulse | Flag a mistake

5 The data are 38 40 42 44 50. The range is

ANSWER _____

Understand It with Pulse | Flag a mistake

6 A normal distribution has mean 110 and standard deviation 4. The z score for 118 is

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A regression line is y=7x+32. The predicted value when x=6 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Scores 90 and 120 have weights 1 and 2. The weighted mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Survey responses are 40 50 60 70. The mean response is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

11 **In a normal distribution about what percent of values lie within one standard deviation of the mean**

- A 95
- B 68
- C 50
- D 99

Understand It with Pulse | Flag a mistake

12 **In a data set 17 out of 20 values are below 50. The percent below 50 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The data are 42 45 48 51 54. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **The data are 31 33 35 37 39. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 The data are 36 39 39 39 44. The mode is

- A 39
- B 44
- C 36
- D 41

Understand It with Pulse | Flag a mistake

16 The data are 31 33 35 37 39. The range is

ANSWER _____

Understand It with Pulse | Flag a mistake

17 A normal distribution has mean 130 and standard deviation 10. The z score for 150 is

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A regression line is y=6x+31. The predicted value when x=5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **Scores 100 and 115 have weights 2 and 2. The weighted mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **Survey responses are 45 55 65 75. The mean response is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **In a data set 13 out of 20 values are below 50. The percent below 50 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The data are 35 40 45 50 55. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The data are 33 35 38 40 44. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **The data are 34 34 37 39 42. The mode is**

A 34

B 37

C 42

D 36

Understand It with Pulse | Flag a mistake

25 **The data are 32 34 36 38 40. The range is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	95	**10.**	A	**19.**	107.5
2.	8	**11.**	B	**20.**	60
3.	48	**12.**	85	**21.**	65
4.	A	**13.**	48	**22.**	45
5.	12	**14.**	35	**23.**	38
6.	2	**15.**	A	**24.**	A
7.	74	**16.**	8	**25.**	8
8.	110	**17.**	2		
9.	55	**18.**	61		

© 2026 Brett Robbins. All Rights Reserved.