Statistics — Practice Test

Quebec Mathematics, Technical and Scientific 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 **A regression line is y=9x+40. The predicted value when x=4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The data are 43 45 48 50 54. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The data are 44 47 49 52 58. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 The data are 44 44 47 49 52. The mode is

- A 44
- B 47
- C 52
- D 46

Understand It with Pulse | Flag a mistake

5 The data are 41 43 45 47 49. The range is

ANSWER _____

Understand It with Pulse | Flag a mistake

6 A normal distribution has mean 120 and standard deviation 4. The z score for 128 is

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **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

8 **Scores 120 and 130 have weights 1 and 3. The weighted mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A small group chosen from a larger group for study is**

- A a population
- B a sample
- C a census
- D a parameter

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 68
- B 95
- C 50
- D 99

Understand It with Pulse | Flag a mistake

12 **In a normal distribution about what percent of values lie within two standard deviations of the mean**

A 68

B 95

C 50

D 99

Understand It with Pulse | Flag a mistake

13 **A regression line is y=6x+43. The predicted value when x=10 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **The data are 45 50 55 60 65. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **The data are 43 45 48 50 54. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The data are 46 49 49 49 54. The mode is**

A 49

B 54

C 46

D 51

Understand It with Pulse | Flag a mistake

17 **The data are 42 44 46 48 50. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A normal distribution has mean 90 and standard deviation 5. The z score for 100 is**

ANSWER

Understand It with Pulse | Flag a mistake

19 **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

20 **Scores 110 and 125 have weights 2 and 2. The weighted mean is**

ANSWER

Understand It with Pulse | Flag a mistake

21 **A regression line is y=6x+50. The predicted value when x=7 is**

ANSWER

Understand It with Pulse | Flag a mistake

22 **The data are 44 47 49 52 58. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The data are 45 50 55 60 65. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **The data are 43 45 45 48 50. The mode is**

A 45

B 50

C 43

D 47

Understand It with Pulse | Flag a mistake

25 **The data are 43 45 48 50 54. The range is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	76	**10.**	B	**19.**	65
2.	48	**11.**	A	**20.**	117.5
3.	49	**12.**	B	**21.**	92
4.	A	**13.**	103	**22.**	50
5.	8	**14.**	55	**23.**	55
6.	2	**15.**	48	**24.**	A
7.	95	**16.**	A	**25.**	11
8.	127.5	**17.**	8		
9.	10	**18.**	2		

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