QUEBEC MATHEMATICS, SCIENCE OPTION, SECONDARY V · 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=9x+52. The predicted value when x=6 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The data are 51 53 55 57 59. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A normal distribution has mean 150 and standard deviation 10. The z score for 170 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **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

5 **The data are 53 55 58 60 64. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The data are 62 65 68 71 74. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **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

8 **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

9 **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

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

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **The data are 52 54 56 58 60. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The data are 53 55 58 60 64. The mean is**

ANSWER _____

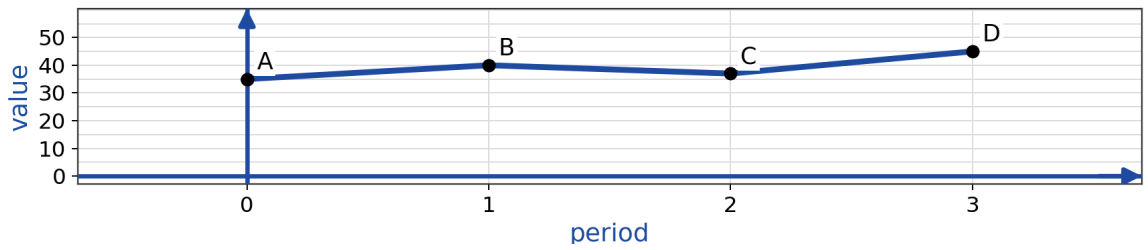
Understand It with Pulse | Flag a mistake

13 **The data are 58 60 62 64 70. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **The graph shows sales in four years. The value in the last year is**



ANSWER _____

Understand It with Pulse | Flag a mistake

15 **The data are 62 65 68 71 74. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A data set has first quartile 10 and third quartile 20. Its interquartile range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The data are 51 53 55 57 59. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A normal distribution has mean 100 and standard deviation 5. The z score for 110 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **The data are 58 60 62 64 70. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **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

21 **The data are 54 54 57 59 62. The mode is**

- A 54
- B 57
- C 62
- D 56

Understand It with Pulse | Flag a mistake

22 **The data are 53 55 55 58 60. The mode is**

- A 55
- B 60
- C 53
- D 57

Understand It with Pulse | Flag a mistake

23 The data are 54 57 59 62 68. The mean is

ANSWER _____

Understand It with Pulse | Flag a mistake

24 The data are 52 52 53 57 58. The mode is

A 52

B 53

C 58

D 54

Understand It with Pulse | Flag a mistake

25 A regression line is y=7x+53. The predicted value when x=10 is

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	106	**10.**	70	**19.**	12
2.	8	**11.**	56	**20.**	B
3.	2	**12.**	58	**21.**	A
4.	85	**13.**	62.8	**22.**	A
5.	58	**14.**	45	**23.**	60
6.	68	**15.**	68	**24.**	A
7.	A	**16.**	10	**25.**	123
8.	65	**17.**	55		
9.	A	**18.**	2		

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