Statistical Analysis — Practice Test

Ontario Mathematics of Data Management, Grade 12, University Preparation (MDM4U) • 10 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 line of best fit passes through (0, 0) and (5, 15) Its slope is**

- **A** 4
- **B** 3
- **C** 2
- **D** 6

Understand It with Pulse | Flag a mistake

2 **The mean of 30,50,70 is**

A 50

B 53

C 47

D 59

Understand It with Pulse | Flag a mistake

3 **A value of 200 in a distribution with mean 150 and standard deviation 25 has z score**

A 2

B 3

C 1

D 0

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4 The standard deviation of the data set 0,30 is

- A 17
- B 20
- C 15
- D 0

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5 The variance of a data set is the square of its standard deviation. If the standard deviation is 5 the variance is

- A 27
- B 25
- C 5
- D 10

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6 **A line of best fit passes through (2, 4) and (4, 12) Its slope is**

A 5

B 3

C 8

D 4

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7 **The mean of 9,27,45 is**

A 27

B 30

C 24

D 36

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8 **A value of 84 in a distribution with mean 60 and standard deviation 12 has z score**

- A 3
- B 1
- C 2
- D 0

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9 **A line of best fit passes through (0, 5) and (5, 20) Its slope is**

- A 4
- B 2
- C 3
- D 6

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10 **The mean of 14,28,42,56 is**

A 38

B 35

C 32

D 44

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	B	**9.**	C
2.	A	**6.**	D	**10.**	B
3.	A	**7.**	A		
4.	C	**8.**	C		

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