ONTARIO MATHEMATICS OF DATA MANAGEMENT, GRADE 12, UNIVERSITY PREPARATION (MDM4U) · UNIT C · 25 QUESTIONS

Organization of Data for Analysis — 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 **The mean of the data set 2,4,6,8 is**

- **A** 5
- **B** 7
- **C** 3
- **D** 10

Understand It with Pulse | Flag a mistake

2 **The mean of the data set 10,20,30 is**

- A 22
- B 18
- C 20
- D 25

Understand It with Pulse | Flag a mistake

3 **The mean of the data set 5,10,15,20,25 is**

- A 17
- B 15
- C 13
- D 20

Understand It with Pulse | Flag a mistake

4 **The data set is 5, 10, 15. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The median of the data set 1,3,5,7,9 is**

A 7

B 3

C 5

D 10

Understand It with Pulse | Flag a mistake

6 **The median of the data set 2,4,6,8,10,12 is**

A 9

B 7

C 5

D 12

Understand It with Pulse | Flag a mistake

7 **The median of the data set 10,20,30,40 is**

A 27

B 23

C 30

D 25

Understand It with Pulse | Flag a mistake

8 **The data set is 4, 8, 12, 20. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The mode of the data set 2,2,3,4 is**

A 3

B 1

C 0

D 2

Understand It with Pulse | Flag a mistake

10 **The mode of the data set 5,5,5,7,8 is**

- A 6
- B 4
- C 5
- D 0

Understand It with Pulse | Flag a mistake

11 **The mode of the data set 1,3,3,3,9 is**

- A 4
- B 2
- C 0
- D 3

Understand It with Pulse | Flag a mistake

12 **The data set is 3, 3, 7, 9. The mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The range of the data set 3,7,12,20 is**

A 17

B 19

C 15

D 22

Understand It with Pulse | Flag a mistake

14 **The range of the data set 5,10,15,25 is**

- A 22
- B 18
- C 25
- D 20

Understand It with Pulse | Flag a mistake

15 **The range of the data set 2,8,14 is**

- A 14
- B 10
- C 17
- D 12

Understand It with Pulse | Flag a mistake

16 **The data set is 6, 11, 18, 25. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A survey of 10 students is a sample or a census? It is a**

A sample

B census

C population

D parameter

Understand It with Pulse | Flag a mistake

18 **A survey of 20 students is a sample or a census? It is a**

A census

B sample

C population

D parameter

Understand It with Pulse | Flag a mistake

19 **A survey of 30 students is a sample or a census? It is a**

A census

B population

C sample

D parameter

Understand It with Pulse | Flag a mistake

20 **A survey asks every student in a school about lunch. The survey is a**

- A sample
- B census
- C biased sample
- D random sample

Understand It with Pulse | Flag a mistake

21 **The first quartile of a data set with minimum 0, median 20, and maximum 40 is between the minimum and the median. A data set is biased if its sample is not representative. This statement is**

- A false
- B true
- C unknown
- D sometimes

Understand It with Pulse | Flag a mistake

22 **A sample that only includes volunteers may be biased. This statement is**

A false

B unknown

C sometimes

D true

Understand It with Pulse | Flag a mistake

23 **A random sample gives every member an equal chance of selection. This statement is**

A false

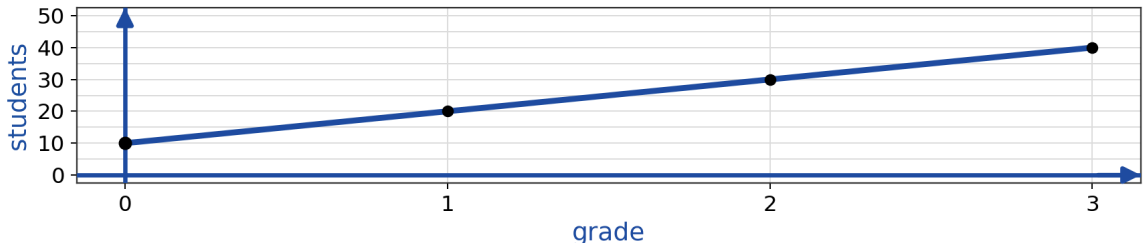
B unknown

C true

D sometimes

Understand It with Pulse | Flag a mistake

24 **The graph shows the number of students by grade. The value for grade 2 is Figure 1**



- **A** 30
- **B** 20
- **C** 40
- **D** 10

Understand It with Pulse | Flag a mistake

25 **For the ordered data set 0,10,20,30,40 the lower quartile is**

- **A** 10
- **B** 20
- **C** 5
- **D** 30

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. C
3. B
4. 10
5. C
6. B
7. D
8. 10
9. D
10. C
11. D
12. 3
13. A
14. D
15. D
16. 19
17. A
18. B
19. C
20. B
21. B
22. D
23. C
24. A
25. A

© 2026 Brett Robbins. All Rights Reserved.