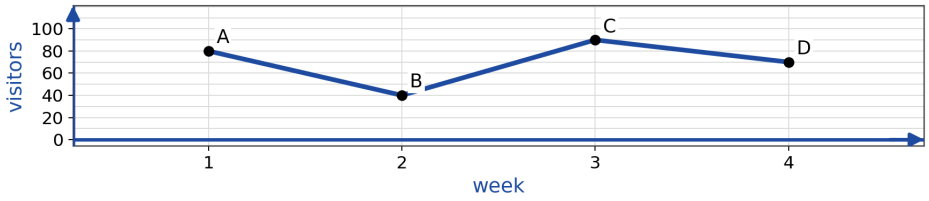
NORTHWEST TERRITORIES WORKPLACE MATHEMATICS 11 (MWPM-11) · UNIT B · 10 QUESTIONS

Rate of Change and Graphs in Society — 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 graph shows visitors to a shop over 4 weeks. The week with the fewest visitors is week**



- **A** 1
- **B** 2
- **C** 3
- **D** 4

Understand It with Pulse | Flag a mistake

2 **A car uses 30 litres of fuel to travel 450 km. Fuel use per 100 km is**

- A 5
- B 6.67
- C 7.5
- D 15

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3 **A worker paints 12 rooms in 4 days. The rate is**

- A 2 rooms per day
- B 3 rooms per day
- C 4 rooms per day
- D 48 rooms per day

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4 **If two graphs show the same data but one has a much taller vertical scale, the taller graph will make changes look**

A smaller

B larger

C unchanged

D negative

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5 **A population grows from 5000 to 6500. The increase is**

A 1000

B 1200

C 1500

D 2000

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6 **The slope of the line y = -2x + 9 is**

A -2

B 2

C 9

D -9

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7 **A line with slope 0 is**

A horizontal

B vertical

C steep

D curved

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8 **A newspaper headline says sales doubled, but sales rose from 2 to 3. The headline is**

- A accurate
- B wrong, the rise is 50 percent
- C wrong, sales fell
- D uncheckable

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9 **At 60 km per hour, the time to travel 120 km is**

- A 1 hour
- B 2 hours
- C 3 hours
- D 4 hours

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10 **Which change makes a graph clearer rather than misleading?**

- **A** Start the axis at zero and label both axes
- **B** Cut off the bottom of the bars
- **C** Remove the units
- **D** Hide the years that fell

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ANSWER KEY

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

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