ALBERTA MATH 20-3 · UNIT 4 · 5 QUESTIONS

Formulas, Slope and Proportional Reasoning — 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 tall sunflower stands in full bloom in a sunny garden. The perimeter of a garden is given by P = 2l + 2w. For l = 9 m and w = 4 m, the perimeter is**



A 13 m

B 26 m

C 36 m

D 52 m

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2 **Temperatures are converted using $C = \frac{5}{9}(F - 32)$. A temperature of 68°F, to the nearest tenth, is equal to**

- A 64.8°C
- B 36.0°C
- C 20.0°C
- D 37.8°C

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3 **A truck uses 8 L of fuel per 100 km. Fuel costs $1.50 per litre. The fuel cost for a 250 km trip is**

- A $20.00
- B $300.00
- C $12.00
- D $30.00

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4 **The graph shows a ski slope, with points A and B marked. The slope, as rise over run, is**

- **A** 0.75
- **B** 1.33
- **C** 14
- **D** 48

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5 **Average speed is given by $v = \frac{d}{t}$. Rearranged to solve for t, the formula is**

- **A** $t = dv$
- **B** $t = \frac{d}{v}$
- **C** $t = \frac{v}{d}$
- **D** $t = d - v$

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ANSWER KEY

1. B
2. C
3. D
4. A
5. B

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