ALBERTA MATH 20-2 · UNIT 2 · 10 QUESTIONS

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 **The exchange rate is 1 USD = 1.34 CAD. The value of $180 CAD, in US dollars, to the nearest cent, is**

- A $134.33
- B $241.20
- C $135.00
- D $46.00

Understand It with Pulse | Flag a mistake

2 **The graph shows distance against time for a cyclist travelling at a constant speed. The distance the cyclist travels in 2.5 h is**

- A 54 km
- B 60 km
- C 90 km
- D 40 km

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3 **A room is drawn on a floor plan with a scale of 1 : 40. If the actual length of the room is 6.4 m, the length of the room on the plan is**

- A 25.6 cm
- B 0.16 cm
- C 256 cm
- D 16 cm

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4 **School enrolment increased from 450 students to 504 students. The percent increase in enrolment is**

- A 10.7%
- B 54%
- C 12%
- D 1.2%

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5 The scale factor from a small rectangle to a larger similar rectangle is 5 : 3. The small rectangle is 9 cm by 12 cm. The perimeter of the larger rectangle, in centimetres, is _____

ANSWER _____

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6 Four bags of the same flour are sold at a store. The bag with the lowest cost per kilogram is

A. 1 kg for $1.60

B. 5 kg for $7.00

C. 2.5 kg for $3.75

D. 8 kg for $12.00

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7 After a decrease of 30%, a jacket costs $56. The original price of the jacket, in dollars, was _____

ANSWER _____

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8 **Two cities that are 240 km apart are 8 cm apart on a map. The scale of the map is**

- A 1 cm : 3 km
- B 1 cm : 240 km
- C 1 cm : 30 km
- D 1 cm : 1920 km

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9 **A recipe uses 750 mL of milk for 4 servings. The amount of milk, in litres, needed for 10 servings is _____**

ANSWER _____

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10 **A scale model of a bridge is built with a scale of 1 : 200. A support tower on the model is 45 cm tall. The height of the actual tower is**

A 9 m

B 0.9 m

C 130 m

D 90 m

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ANSWER KEY

1.	A	**5.**	70	**9.**	1.875
2.	B	**6.**	B	**10.**	D
3.	D	**7.**	80		
4.	C	**8.**	C		

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