ALBERTA MATH 10-3 · UNIT 1 · 10 QUESTIONS

Measurement and Conversions — 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 **Using $F = \frac{9}{5}C + 32$, an outdoor temperature of -5°C, in degrees Fahrenheit, is**

- A -9°F
- B 23°F
- C 41°F
- D 32°F

Understand It with Pulse | Flag a mistake

2 **A rug measures 6 ft by 9 ft. The area of the rug, in ft², is**

- A 15 ft²
- B 30 ft²
- C 45 ft²
- D 54 ft²

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3 **Using the conversion 1 in = 2.54 cm, a shelf board that is 12.7 cm long, in inches, is**

- A 5 in
- B 32.258 in
- C 2.54 in
- D 10 in

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4 **A server pours servings of 250 mL from a 2 L bottle of juice. The number of full servings in the bottle is**

- **A** 4
- **B** 2
- **C** 8
- **D** 10

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5 **A wrench is sized $\frac{9}{16}$ in. Expressed as a decimal, this size, in inches, is**

- **A** 0.59 in
- **B** 0.5625 in
- **C** 0.916 in
- **D** 0.625 in

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6 **A square floor tile measures 30 cm by 30 cm. The area of the tile, in m², is**



A 0.9 m²

B 9 m²

C 0.009 m²

D 0.09 m²

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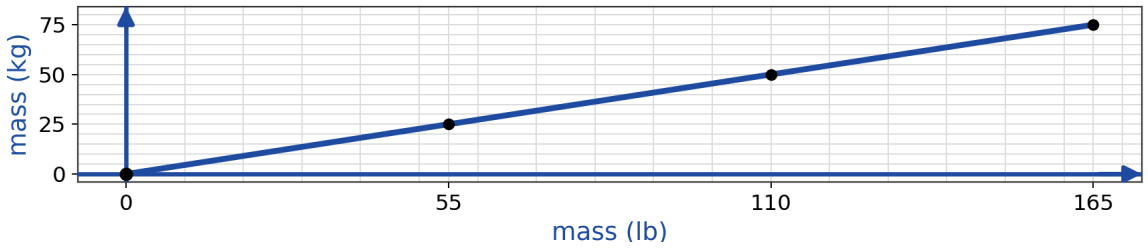
7 **A patient has a mass of 110 lb. The graph shows mass in kilograms against mass in pounds. The mass of the patient, in kilograms, is approximately**



A 50 kg

B 242 kg

C 55 kg

D 100 kg

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8 **A doorway header is 3 ft 4 in long. Using the conversion 1 in = 2.54 cm, this length, in centimetres, is**

- A 91.44 cm
- B 10.16 cm
- C 101.6 cm
- D 40 cm

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9 **A farmer builds a rectangular garden that is 8 m long and 5 m wide. The length of fencing needed to go all the way around the garden is**



A 13 m

B 26 m

C 40 m

D 20 m

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10 **A cooler measures 50 cm by 40 cm by 30 cm. Given that 1 L = 1000 cm³, the capacity of the cooler, in litres, is**

A 6 L

B 600 L

C 0.6 L

D 60 L

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ANSWER KEY

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

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