BRITISH COLUMBIA WORKPLACE MATHEMATICS 11 (MWPM-11) · UNIT D · 5 QUESTIONS

3D Objects and Scale Diagrams — Practice Test

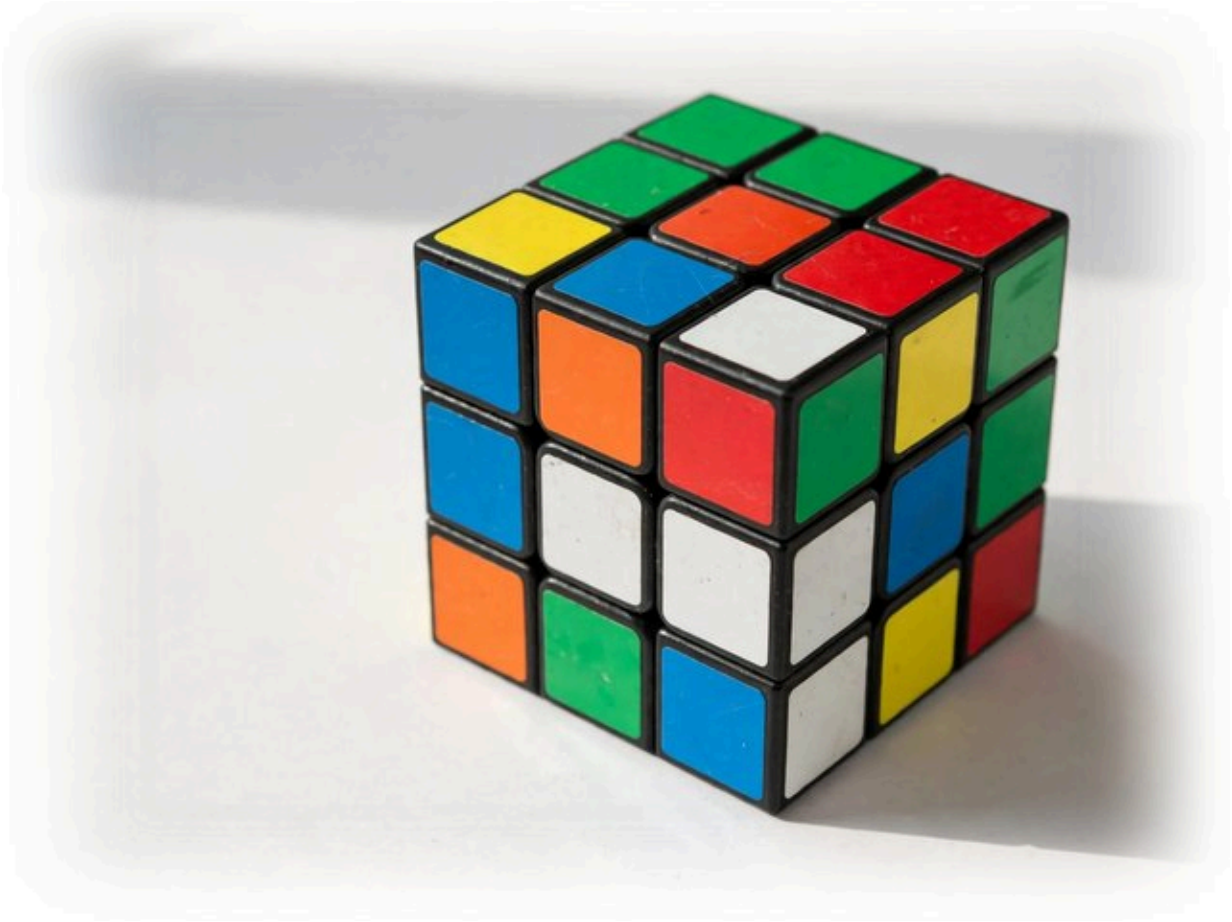
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The volume of a cube with side length 5 cm is**

- **A** 25 cm^3
- **B** 75 cm^3
- **C** 125 cm^3
- **D** 150 cm^3

Understand It with Pulse | Flag a mistake

2 **A colourful Rubik cube with scrambled coloured squares on a plain white surface. The surface area of a cube with side length 2 cm is**



A 8 cm^2

B 12 cm^2

C 24 cm^2

D 48 cm^2

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3 **A box is 6 cm long, 3 cm wide and 2 cm high. Its volume is**

- **A** 22 cm^3
- **B** 36 cm^3
- **C** 44 cm^3
- **D** 72 cm^3

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4 **The volume of a cylinder with radius 3 cm and height 2 cm is**

- **A** 6π cm^3
- **B** 12π cm^3
- **C** 18π cm^3
- **D** 36π cm^3

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5 **The volume of a sphere with radius 2 cm is**

A $\frac{8\pi}{3}\text{cm}^3$

B $\frac{32\pi}{3}\text{cm}^3$

C $16\pi\ \text{cm}^3$

D $32\pi\ \text{cm}^3$

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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