ENGLAND GCSE MATHS OCR HIGHER · UNIT 10 · 5 QUESTIONS

Geometry, Measurement, Area, Volume and Circles — Practice Test

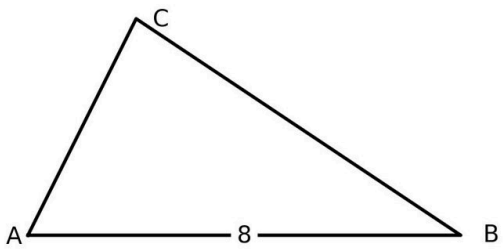
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1 **A swimming pool is 30 m long, 12 m wide and 2 m deep. Its volume is**

- **A** 744 m^3
- **B** 720 m^3
- **C** 820 m^3
- **D** 360 m^3

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2 **A triangle has base 8 cm and height 4 cm. Its area is**



- **A** 12 cm²
- **B** 16 cm²
- **C** 32 cm²
- **D** 24 cm²

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3 **Two solids are similar. The smaller has volume 60 cm³ and the linear scale factor is 2. The volume of the larger solid is**

- **A** 240 cm³
- **B** 960 cm³
- **C** 120 cm³
- **D** 480 cm³

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4 **A cuboid is 3 cm by 3 cm by 2 cm. Its total surface area is**

- **A** 21 cm²
- **B** 44 cm²
- **C** 42 cm²
- **D** 18 cm²

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5 **A cylinder has radius 5 cm and height 12 cm. Its volume, to one decimal place, is about**

- **A** 942.5 cm³
- **B** 78.5 cm³
- **C** 377 cm³
- **D** 188.5 cm³

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ANSWER KEY

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

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