ENGLAND GCSE MATHS OCR FOUNDATION · UNIT 9 · 5 QUESTIONS

Geometry, Angles, Shapes, Constructions and Similarity — 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 castle is 15 m tall. Its model is 30 cm tall. The scale factor from the model to the real castle is**

- A 100
- B 40
- C 50
- D 60

Understand It with Pulse | Flag a mistake

2 **The sail of a sailing ship is a right-angled triangle with sides 6 m, 8 m and 10 m. A similar sail has a shortest side of 18 m. Its longest side is**

- A 30
- B 40
- C 12
- D 24

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3 **Two angles sit on a straight line. One angle is 120°. The other angle is**

- A 240°
- B 70°
- C 120°
- D 60°

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4 **Two parallel lines are cut by a transversal. One angle is 98°. Its corresponding angle is**

- A 118°
- B 82°
- C 98°
- D 90°

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5 **A set square is a right-angled triangle with angles 90 degrees, 60 degrees and one more. The third angle is**

- A 150
- B 60
- C 30
- D 40

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ANSWER KEY

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

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