ENGLAND GCSE MATHS EDEXCEL 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 ladder leans against a wall, making an angle of 60 degrees with the ground. The angle between the ladder and the wall is**

- A 40
- B 60
- C 30
- D 120

Understand It with Pulse | Flag a mistake

2 **The sum of the interior angles of a polygon with 6 sides is**

- A 900°
- B 720°
- C 540°
- D 1080°

Understand It with Pulse | Flag a mistake

3 **Two parallel lines are cut by a transversal. One angle is 50°. Its corresponding angle is**

- A 70°
- B 90°
- C 50°
- D 130°

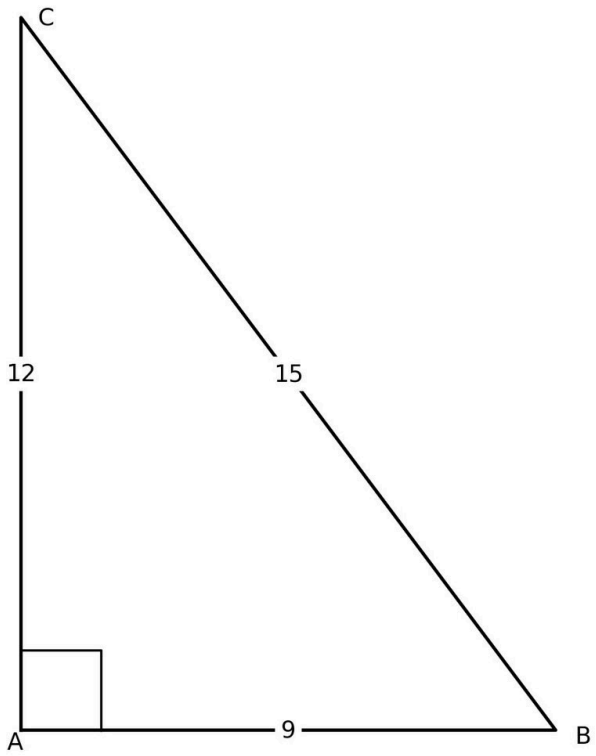
Understand It with Pulse | Flag a mistake

4 **A set square is a right-angled triangle with angles 90 degrees, 30 degrees and one more. The third angle is**

- A 70
- B 60
- C 120
- D 30

Understand It with Pulse | Flag a mistake

5 **The diagram shows a right-angled triangle with sides 9 cm, 12 cm and 15 cm. A similar triangle has a shortest side of 18 cm. Its longest side is**



A 30 cm

B 45 cm

C 17 cm

D 15 cm

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.