ENGLAND GCSE MATHS OCR HIGHER · UNIT 11 · 5 QUESTIONS

Geometry, Pythagoras, Trigonometry and Vectors — 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 brown dog walks 6 m east and then 8 m north. How far is it from its starting point?**

- **A** 9
- **B** 14
- **C** 10
- **D** 11

Understand It with Pulse | Flag a mistake

2 **A cuboid is 3 cm by 4 cm by 12 cm. The longest diagonal is**

- A 14 cm
- B 12 cm
- C 19 cm
- D 13 cm

Understand It with Pulse | Flag a mistake

3 **A sailing ship sails 9 km east and then 12 km north. How far is it from its starting point?**

- A 15
- B 16
- C 21
- D 14

Understand It with Pulse | Flag a mistake

4 **In a right-angled triangle, the hypotenuse is 10 cm and one angle is 30°. The side opposite the 30° angle is**

A 5 cm

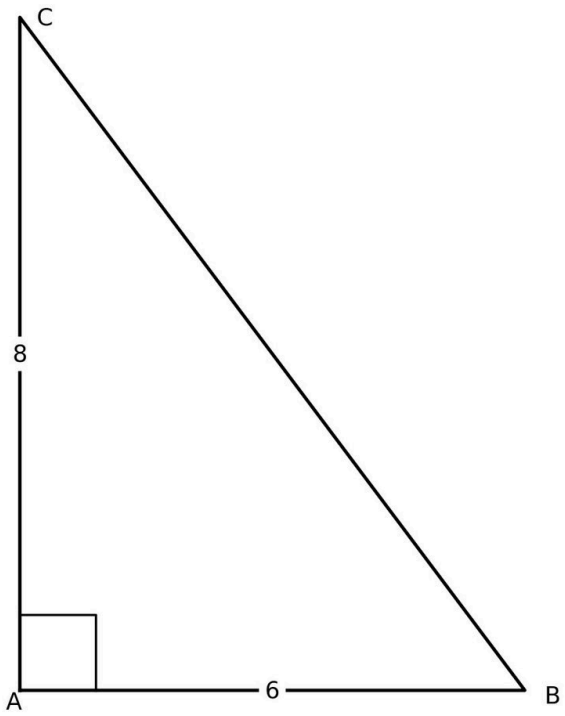
B 10 cm

C 4 cm

D 6 cm

Understand It with Pulse | Flag a mistake

5 **A right-angled triangle has one side of length 6 cm and the other side of length 8 cm. The hypotenuse is**



- **A** 10 cm
- **B** 14 cm
- **C** 11 cm
- **D** 9 cm

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.