ENGLAND GCSE MATHS EDEXCEL HIGHER · UNIT 10 · 10 QUESTIONS

Geometry, Measurement, Area, Volume and Circles — 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 roundabout has a radius of 7 m. Its area, to one decimal place, is about**

- **A** 22 m²
- **B** 44 m²
- **C** 307.9 m²
- **D** 153.9 m²

Understand It with Pulse | Flag a mistake

2 **A swimming pool is 30 m long, 10 m wide and 2 m deep. Its volume is**

- **A** 620 m^3
- **B** 700 m^3
- **C** 600 m^3
- **D** 300 m^3

Understand It with Pulse | Flag a mistake

3 **A Ferris wheel has a diameter of 20 m. Its circumference, to one decimal place, is about**

- **A** 125.7 m
- **B** 31.4 m
- **C** 69.1 m
- **D** 62.8 m

Understand It with Pulse | Flag a mistake

4 **A trapezium has parallel sides of 6 cm and 8 cm, and the distance between them is 7 cm. Its area is**

- A 56 cm²
- B 48 cm²
- C 98 cm²
- D 49 cm²

Understand It with Pulse | Flag a mistake

5 **A rectangle is 8 cm long and 9 cm wide. Its perimeter is**

- A 17 cm
- B 36 cm
- C 72 cm
- D 34 cm

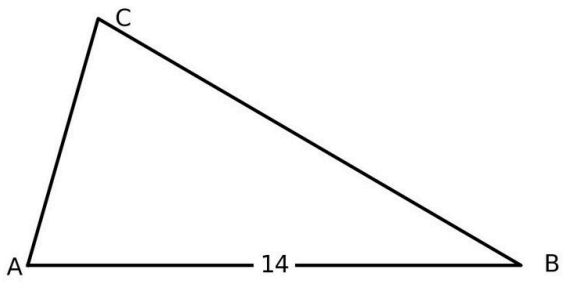
Understand It with Pulse | Flag a mistake

6 **A sphere has radius 5 cm. Its volume, to one decimal place, is about**

- A 104.7 cm^3
- B 392.7 cm^3
- C 314.2 cm^3
- D 523.6 cm^3

Understand It with Pulse | Flag a mistake

7 **A triangle has base 14 cm and height 7 cm. Its area is**



- **A** 49 cm²
- **B** 21 cm²
- **C** 98 cm²
- **D** 63 cm²

Understand It with Pulse | Flag a mistake

8 **A slice of a cheese pizza is a sector of a circle with radius 12 cm and angle 90°. Its area, to one decimal place, is about**

- **A** 56.5 cm²
- **B** 113.1 cm²
- **C** 452.4 cm²
- **D** 226.2 cm²

Understand It with Pulse | Flag a mistake

9 **A circle has a radius of 8 cm. Its circumference, to one decimal place, is about**

- **A** 25.1 cm
- **B** 50.3 cm
- **C** 201.1 cm
- **D** 56.5 cm

Understand It with Pulse | Flag a mistake

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

- A 18 cm^3
- B 72 cm^3
- C 12 cm^3
- D 78 cm^3

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	D	**5.**	D	**9.**	B
2.	C	**6.**	D	**10.**	B
3.	D	**7.**	A		
4.	D	**8.**	B		

© 2026 Brett Robbins. All Rights Reserved.