ENGLAND GCSE MATHS EDEXCEL FOUNDATION · 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 swimming pool is 30 m long, 12 m wide and 2 m deep. Its volume is**

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

Understand It with Pulse | Flag a mistake

2 **A Ferris wheel has a diameter of 28 m. Its circumference, to one decimal place, is about**

- **A** 44 m
- **B** 175.9 m
- **C** 88 m
- **D** 94.2 m

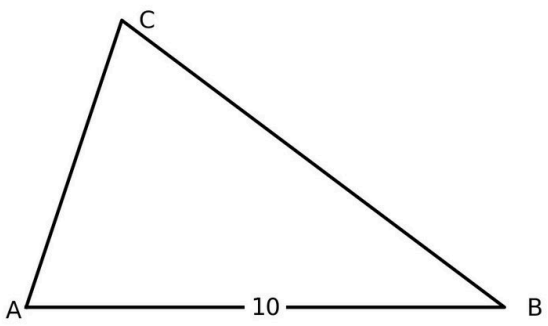
Understand It with Pulse | Flag a mistake

3 **A cuboid is 7 cm by 4 cm by 5 cm. Its total surface area is**

- **A** 166 cm^2
- **B** 140 cm^2
- **C** 56 cm^2
- **D** 83 cm^2

Understand It with Pulse | Flag a mistake

4 **A triangle has base 10 cm and height 6 cm. Its area is**



- **A** 30 cm²
- **B** 60 cm²
- **C** 16 cm²
- **D** 40 cm²

Understand It with Pulse | Flag a mistake

5 **A chocolate cake is a cylinder with radius 8 cm and height 6 cm. Its volume, to one decimal place, is about**

- **A** 150.8 cm^3
- **B** 1206.4 cm^3
- **C** 2412.7 cm^3
- **D** 201.1 cm^3

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6 **A rectangle is 15 cm long and 6 cm wide. Its perimeter is**

- **A** 44 cm
- **B** 90 cm
- **C** 21 cm
- **D** 42 cm

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7 **A trapezium has parallel sides of 4 cm and 10 cm, and the distance between them is 4 cm. Its area is**

- A 40 cm²
- B 32 cm²
- C 56 cm²
- D 28 cm²

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8 **A cylinder has radius 4 cm and height 12 cm. Its volume, to one decimal place, is about**

- A 50.3 cm³
- B 603.2 cm³
- C 301.6 cm³
- D 150.8 cm³

Understand It with Pulse | Flag a mistake

9 **A cup of coffee fills a cylindrical cup with radius 4 cm and height 9 cm. The volume of the coffee is, to one decimal place, about**

- **A** 113.1 cm^3
- **B** 50.3 cm^3
- **C** 904.8 cm^3
- **D** 452.4 cm^3

Understand It with Pulse | Flag a mistake

10 **A cardboard box is 7 cm long, 3 cm wide and 5 cm high. Its volume is**

- **A** 26 cm^3
- **B** 105 cm^3
- **C** 21 cm^3
- **D** 112 cm^3

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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