CALIFORNIA GEOMETRY · UNIT 4 · 10 QUESTIONS

Geometric Measurement and Modeling — 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 **The surface area of a rectangular prism 2 by 3 by 4 is**

- A 48
- B 26
- C 24
- D 52

Understand It with Pulse | Flag a mistake

2 **Two similar solids have linear scale factor 3:1. The larger has volume 270. The smaller volume is**

A 30

B 90

C 810

D 10

Understand It with Pulse | Flag a mistake

3 **A map scale is 1 cm to 5 km. A distance of 7 cm represents**

A 35

B 12

C 5

D 7

Understand It with Pulse | Flag a mistake

4 **An object has mass 90 and density 3. Its volume is**

A 30

B 87

C 270

D 93

Understand It with Pulse | Flag a mistake

5 **A net of a cube consists of**

A Two circles

B Four triangles

C Eight squares

D Six squares

Understand It with Pulse | Flag a mistake

6 **A cross section of a sphere is always a**

- A Triangle
- B Rectangle
- C Square
- D Circle

Understand It with Pulse | Flag a mistake

7 **The volume of a cylinder doubles if its radius is**

- A Halved
- B Multiplied by $\sqrt{2}$ with height fixed
- C Doubled with height fixed
- D Unchanged

Understand It with Pulse | Flag a mistake

8 A regular pentagon has perimeter 50. Its side length is

- A 25
- B 15
- C 5
- D 10

Understand It with Pulse | Flag a mistake

9 A rectangle has length 12 and width 5. Its perimeter is ____

ANSWER _____

Understand It with Pulse | Flag a mistake

10 A cylinder has radius 4 and height 3. Its volume divided by π is ____

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. D
3. A
4. A
5. D
6. D
7. B
8. D
9. 34
10. 48

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