PEP Grade 5 Math — Unit 3: Cuboids and Cubes • Unit Test (Basic)

PEP · Grade 5 · Term 2 · Mathematics · Unit Test · Basic

AI-generated practice paper · original study aid, not an official examination paper · 40 questions · 100 points

Name: _____ Date: _____ Score: _____

Answer all questions. This paper is worth 100 points. Show your working where appropriate.

I. Multiple Choice

1. Which of the following shapes has 6 faces, all of which are identical squares?
   A. Cuboid
   B. Triangular prism
   C. Cube
   D. Cylinder

2. How many edges does a cuboid have?
   A. 8
   B. 10
   C. 12
   D. 16

3. What is the shape of each face on a cube?
   A. Rectangle
   B. Triangle
   C. Square
   D. Circle

4. If a cube has a side length of 1/2 cm, what is its volume?
   A. 1/4 cm^3
   B. 1/6 cm^3
   C. 1/8 cm^3
   D. 1/12 cm^3

5. Which of the following best describes the number of vertices in a cuboid?
   A. 4
   B. 6
   C. 8
   D. 10

6. A cuboid has dimensions 3 cm × 4 cm × 5 cm. What is its volume?
   A. 12 cm^3
   B. 15 cm^3
   C. 60 cm^3
   D. 120 cm^3

7. What is the surface area of a cube with side length 2 cm?
   A. 8 cm^2
   B. 12 cm^2
   C. 24 cm^2
   D. 48 cm^2

8. Which of the following shapes has the same number of faces, edges, and vertices as a cube?
   A. Cuboid
   B. Square pyramid
   C. Triangular prism
   D. Cylinder

9. Which statement about a cube is true?
   A. It has 6 rectangular faces.
   B. It has 12 equal edges.
   C. It has 8 unequal faces.
   D. It has 4 diagonals.

10. A cuboid has a length of 5 cm, width of 4 cm, and height of 3 cm. What is its total edge length?
   A. 24 cm
   B. 48 cm