

Grade 4 Math Worksheet: Understanding Shapes (Difficulty Level: Easy)

Name: _____

Date: _____

Section 1: Identifying Plain and Solid Shapes

1. **Circle the Plain Shapes (2D) and Box the Solid Shapes (3D):**

- a) Cube
- b) Square
- c) Rectangle
- d) Sphere
- e) Triangle
- f) Cone
- g) Cylinder
- h) Pentagon
- i) Hexagon
- j) Pyramid

2. **Fill in the Blank:**

- 1. A plain shape is also known as a _____ shape. (Hint: Starts with "2")
- 2. A solid shape is also known as a _____ shape. (Hint: Starts with "3")
- 3. Solid shapes have depth, height, and _____.
- 4. Plain shapes have only _____ and _____.

Section 2: Matching Shapes with Their Properties

Match each shape with its correct description.

Shape	Description
Cube	a) Three sides, three vertices
Sphere	b) Six faces, all square-shaped
Rectangle	c) Curved surface with no edges or vertices

Triangle	d) Two pairs of equal sides, four right angles
Cylinder	e) One curved surface, two circular faces
Pentagon	f) Five straight sides, five vertices

Section 3: Counting Faces, Edges, and Vertices

1. Count and Write the Number of Faces, Edges, and Vertices

Shape	Faces	Edges	Vertices
Cube			
Rectangular Prism			
Sphere			
Cone			
Pyramid			
Cylinder			

2. Answer the Questions:

- How many faces does a cube have? _____
- How many edges does a rectangular prism have? _____
- Which shape has only one vertex? _____
- How many vertices does a pyramid with a square base have?

Section 4: Drawing and Describing Shapes

1. Draw and Describe Each Shape

- Draw a **square** and describe its sides and angles.
- Draw a **triangle** and label its vertices.
- Draw a **cube** and label its faces.
- Draw a **cylinder** and describe its curved surface.

2. True or False:

- A sphere has no vertices. _____
 - A triangle is a solid shape. _____
 - A cube has 6 faces, all square. _____
 - A cylinder has one circular face. _____
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Section 5: Real-World Shape Hunt

List real-life examples of each shape:

- Cube: _____
 - Sphere: _____
 - Cylinder: _____
 - Cone: _____
 - Rectangle: _____
 - Triangle: _____
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--BE THE CHAMPION!--