

## Grade 4 Math Worksheet: Understanding Shapes (Difficulty Level: Intermediate)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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### Section 1: Identifying Shapes

1. Identify each shape as "2D" or "3D":

Shape	Classification
Triangle	
Rectangular Prism	
Hexagon	
Cone	
Square	
Sphere	
Pentagon	
Cylinder	

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### Section 2: Shape Properties

1. Complete the table:

Shape	Faces	Edges	Vertices
Square Pyramid			
Cube			
Cylinder			
Sphere			

Triangular Prism			
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## 2. Answer the Questions:

- Which shape has only one curved surface? \_\_\_\_\_
  - Which shape has six identical faces? \_\_\_\_\_
  - Which shapes have no vertices? \_\_\_\_\_
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## Section 3: Comparing Shapes

### 1. Complete the sentences:

- A **cube** has \_\_\_\_\_ equal faces, while a **rectangular prism** has \_\_\_\_\_ pairs of equal faces.
- A **circle** is a \_\_\_\_\_ shape, and a **cylinder** is a \_\_\_\_\_ shape.
- A **square pyramid** and a **cone** both come to a \_\_\_\_\_ at the top.

### 2. True or False?

- A rectangular prism and a cube both have 8 vertices. \_\_\_\_\_
  - A cone has only one face. \_\_\_\_\_
  - A cylinder has two edges. \_\_\_\_\_
  - A hexagon has six sides. \_\_\_\_\_
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## Section 4: Real-Life Examples

### 1. Match each shape to a real-life object:

Shape	Example
Sphere	a) Football
Cube	b) Dice
Cylinder	c) Candle
Pyramid	d) Tent with triangular base
Cone	e) Party hat

### 2. Describe the shape of each object:

- Water bottle: \_\_\_\_\_
  - Dice: \_\_\_\_\_
  - Pyramid roof: \_\_\_\_\_
  - Pizza slice: \_\_\_\_\_
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## Section 5: Drawing and Visualizing Shapes

### 1. Draw and Label:

- Draw a **cube** and label its faces and edges.
  - Draw a **cylinder** and describe its surfaces.
  - Draw a **cone** and show its base and point.
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**--BE THE CHAMPION!--**