Class 2 Shapes Worksheet by Thinking Juggernaut

Understanding 2D and 3D Shapes

Name: _____   Date: _____   **Total Marks:** 15

🎯 What are Shapes?

Shapes are all around us! They help us describe the world we see.

2D Shapes (Flat Shapes):
- **Circle:** Round shape with no corners (like a ball when you look at it from the side)
- **Square:** 4 equal sides and 4 corners
- **Rectangle:** 4 sides (2 long, 2 short) and 4 corners
- **Triangle:** 3 sides and 3 corners

3D Shapes (Solid Shapes):
- **Sphere:** Round like a ball
- **Cube:** Box with all equal sides (like a dice)
- **Cuboid:** Box shape (like a book)
- **Cylinder:** Round with flat ends (like a can)
- **Cone:** Pointed top with round bottom (like an ice cream cone)

📝 Sample Problem

Problem: How many sides does a square have?

Side 1
Corner 1   Corner 2
Side 4   Side 2
Corner 4   Corner 3
Side 3
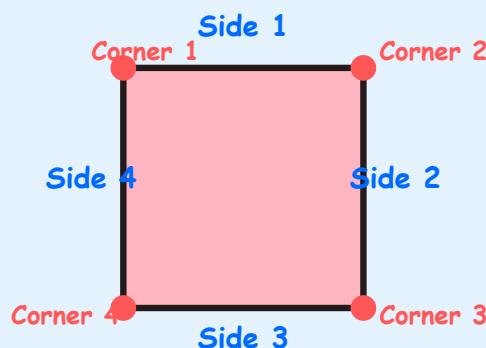
This is a
SQUARE

> **Solution:**
>
> A square has **4 sides** (all equal in length)
>
> A square has **4 corners** (also called vertices)
>
> **Answer: A square has 4 sides!** ■

# Part A: Warm-up Questions

⭐ **Easy Level**

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1. Name the shape:

Shape name: _____
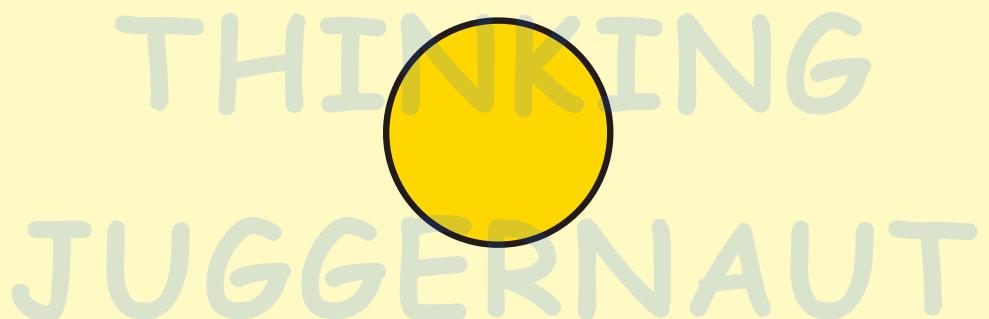

2. How many corners does a triangle have?
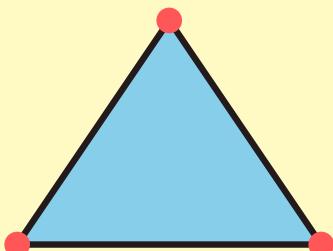
Answer: _____ corners

**3.** True or False: A rectangle has 4 sides.

○ True   ○ False

4. Count the circles in the picture:
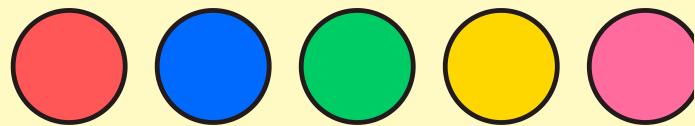
Number of circles: _____

5. Which shape has no corners?
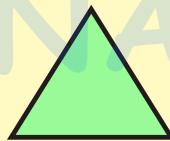
A) Square   B) Circle   C) Triangle

Answer: _____
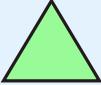
**6.** Draw a square in the box below:

Part B: Practice Questions

⭐⭐ Medium Level

7. Match the shapes with their names:

Column A (Shape)	Column B (Name)
[pink rectangle]	i) Circle
[blue circle]	ii) Triangle
[green triangle]	iii) Rectangle

Write your answers: a-____, b-____, c-____

8. Look at the objects and name their shapes:
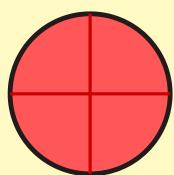
Ball
Shape: _____

Book
Shape: _____
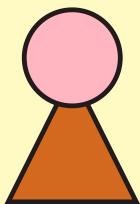
Ice Cream
Cone shape: _____
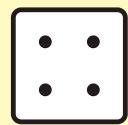
Dice
Shape: _____

9. True or False: A square and a rectangle are the same shape.

○ True   ○ False

Explain: _____

10. Complete the pattern by drawing the missing shape:
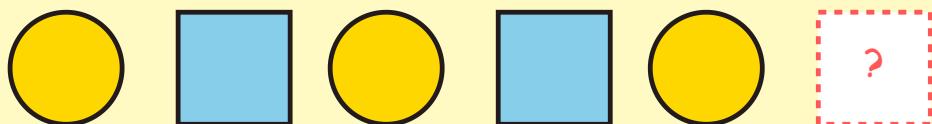
The missing shape is: _____

11. Which 3D shape looks like a can of cold drink?
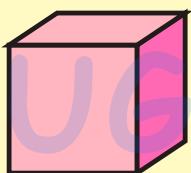
A) Cube
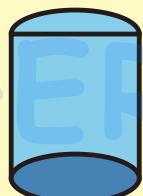
B) Cylinder

C) Cone

Answer: _____

12. How many triangles can you find in this picture?
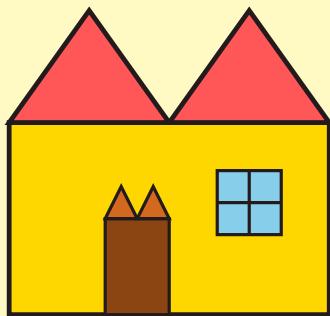
Count carefully! Number of triangles: _____

Part C: Challenge Questions

⭐⭐⭐ Hard Level

13. Look at the picture and answer:
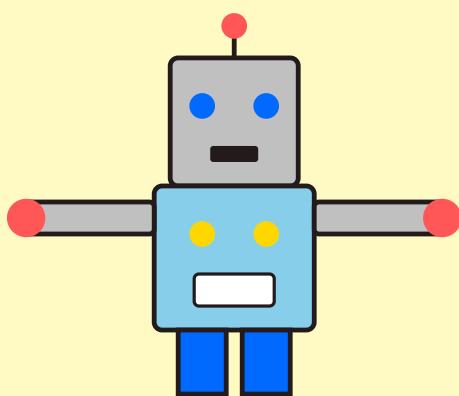
a) How many circles are in the robot? _____

b) How many rectangles are in the robot? _____

c) How many squares are in the robot? _____

14. Fill in the blanks with the correct shape names:

a) A pizza slice looks like a _____ shape.

b) A clock face is a _____ shape.

c) A door is usually a _____ shape.

d) A birthday hat is a _____ shape.

**15.** Create your own picture using at least 3 different shapes. Label each shape you use:

Draw your picture here and write the shape names below it.

Shapes I used:

1. _____

2. _____

3. _____

🔑 Answer Key

Part A: Warm-up Questions

1. Circle

2. 3 corners

3. True

4. 5 circles

5. B) Circle (A circle has no corners/vertices)

6. Student should draw a square with 4 equal sides and 4 corners

Part B: Practice Questions

7. a-iii (Rectangle), b-i (Circle), c-ii (Triangle)

8. Ball: Circle/Sphere, Book: Rectangle, Ice Cream Cone: Triangle, Dice: Square/Cube

9. False (A square has all equal sides, but a rectangle has 2 long sides and 2 short sides. However, both have 4 sides and 4 corners.)

10. Square (The pattern alternates: Circle, Square, Circle, Square, Circle, Square)

11. B) Cylinder (A can has a circular top and bottom with curved sides, which is a cylinder)

12. 4 triangles (2 roof triangles + 2 small triangles on door top)

Part C: Challenge Questions

13. a) 7 circles (2 eyes + 1 antenna top + 2 body buttons + 2 hand circles), b) 8 rectangles (body + 2 arms + 2 legs + mouth + screen + 2 small details), c) 1 square (head)

14. a) Triangle, b) Circle, c) Rectangle, d) Cone (or Triangle)

15. Student's own creative answer (should include at least 3 different shapes with correct labels)

📊 Scoring Guide

Total Questions: 15 | Total Marks: 15

Score Range	Performance Level	What to Do Next
13-15	⭐⭐⭐ Excellent!	**Outstanding performance!** You've mastered shape recognition. **Next steps:** Start learning about more complex shapes (pentagon, hexagon, octagon), explore 3D shapes in real life, and practice drawing shapes accurately using a ruler.
10-12	⭐⭐ Very Good!	**Great job!** You understand shapes well. **Focus on:** Review the difference between 2D and 3D shapes. Practice identifying shapes in everyday objects

		around your home. Draw each shape 5 times to improve accuracy.
7-9	⭐ Good Effort!	**Good start!** You're learning shapes. **Work on:** Learning the basic properties (sides and corners) of each shape. Use building blocks or shape toys to feel and see shapes. Focus on circles, squares, rectangles, and triangles first.
0-6	Keep Trying!	**Don't give up!** Shapes are everywhere! **Start with:** Learning one shape at a time - start with circle and square. Look for these shapes in your room (clock = circle, window = square/rectangle). Draw shapes with your finger in the air. Ask your teacher or parents for extra practice with shape puzzles.

📝 Tips for Mastering Shapes:

- **Learn the properties:** Count sides and corners for each shape
- **Shape hunting:** Find shapes in your house (plates = circles, books = rectangles, roof = triangle)
- **Draw daily:** Practice drawing each shape 3-5 times every day
- **Remember the basic 2D shapes:**

  - Circle: No corners, perfectly round
  - Square: 4 equal sides, 4 corners
  - Rectangle: 4 sides (2 long, 2 short), 4 corners
  - Triangle: 3 sides, 3 corners

- **Learn 3D shapes:** Hold objects like balls (sphere), boxes (cube/cuboid), cans (cylinder)
- **Use shape toys:** Play with shape sorters, building blocks, and tangrams
- **Color coding:** Use different colors for different shapes when drawing
- **Make it fun:** Create pictures using only shapes (like robot, house, car)

✨ Great Job Completing This Worksheet! ✨

Keep practicing shapes and you'll become a geometry expert!

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