

*Class 4 Mathematics: Shapes Around Us – One Marks*

## Q1. [2D/3D Shapes]

A tissue box is a 3D cuboid. If you place it on a paper and trace around its bottom face with a pencil, which flat 2D shape will you draw?

Answer: \_\_\_\_\_

## Q2. [Curved and Flat Faces]

Name a common object found in your kitchen that has exactly two flat circular faces and one curved surface.

Answer: \_\_\_\_\_

## Q3. [Angles in Real Life]

Look at the capital English letter 'L'. What specific type of angle is formed at its corner?

Answer: \_\_\_\_\_

## Q4. [Comparing Angles]

An angle is smaller than a right angle but sharper than a corner of a textbook. What is the mathematical name for this type of angle?

Answer: \_\_\_\_\_

## Q5. [Properties of Solid Shapes]

Identify the round 3D solid shape that has completely smooth surfaces, zero straight edges, and zero corners.

Answer: \_\_\_\_\_

## Q6. [Circle Concepts]

If you draw a straight line from the exact center point of a bicycle wheel to its outer rubber tyre, what parts of the circle does this line represent?

Answer: \_\_\_\_\_

## Q7. [Circle Logic]

The longest possible straight line you can draw inside a circle from one side to the other measures 12 cm. What will be the radius of this circle?

Answer: \_\_\_\_\_

## Q8. [Nets of Shapes]

If you carefully cut open and flatten out a hollow cube-shaped chalk box, how many equal square faces will you find in its net pattern?

Answer: \_\_\_\_\_

## Q9. [Shape Edges]

Count the edges: How many straight boundaries (edges) does a standard 3D cube have in total?

Answer: \_\_\_\_\_

## Q10. [Polygons]

A flat roof tiles has 5 straight sides and 5 vertices. Write the specific geometric name given to this 5-sided shape.

Answer: \_\_\_\_\_

*Class 4 Mathematics: Shapes Around Us – Two Marks*

## Q1. [2D vs 3D Shapes]

A brick and a postcard are both rectangular in appearance. Write down one major difference between a brick and a postcard based on their dimensions.

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q2. [Faces and Edges]

Look at a standard ice-cream cone. How many edges does it have, and what is the shape of those edges (straight or curved)?

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q3. [Angles on a Clock]

Ravi looks at the wall clock at exactly 9 o'clock. Identify the type of angle formed between the two hands, and draw a small rough sketch of how it looks.

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q4. [Real-life Angles]

When you open a laptop screen halfway, it forms a right angle. What happens to the angle if you close the laptop screen slightly? Name the new angle formed.

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q5. [Corners and Vertices]

Compare a cylinder (like a battery cell) and a sphere (like a tennis ball). Which of these two shapes has more corners (vertices)? Explain your answer.

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q6. [Circle Elements]

If you tie a 4 cm long piece of thread to a pencil and use it to draw a perfect circle on paper, what will be the total width (diameter) of that circle?

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q7. [Circle Logic]

Can a circle have two diameters of different lengths? Why or why not?

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q8. [Nets of Shapes]

Anil has a flat paper net made of six identical squares joined together. If she folds it up, what solid 3D shape will she create?

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q9. [Shapes and Sides]

How many more sides does a hexagon have compared to a rectangle? Show your simple subtraction step.

Answer: \_\_\_\_\_

\_\_\_\_\_

## Q10. [Open and Closed Shapes]

Draw a simple example of an open shape made only of straight lines, and explain why it is called an open shape.

Answer: \_\_\_\_\_

\_\_\_\_\_