

Subject: Mathematics

Class: 4

Topic: Basic Shapes and Symmetry

Levels: Basic, Intermediate, Advanced

Level: Basic

1. A shape with 3 sides and 3 corners is called a ? _____.
2. A square has _____ equal sides and _____ corners.
3. Draw a line of symmetry through this circle: ?
4. How many sides does a Indian 10-rupee coin (circular) have? _____
5. Which shape looks like a Chapati? (Circle / Square / Triangle)
6. A rectangle has _____ pairs of opposite sides that are equal.
7. Does a ? (star) have more than one line of symmetry? (Yes / No)
8. Identify the shape of a Postcard: _____.
9. A ? (sun) can be represented by which geometric shape? _____
10. Count the corners in two ? ? triangles together: _____

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Level: Intermediate

1. Draw the other half of the symmetric leaf: ? |
2. A Brick used in building a house in India is a _____ (3D shape) shape.
3. How many lines of symmetry does a Square handkerchief have? _____
4. If you cut a rectangular Barfi diagonally, what two shapes do you get? _____
5. Which of these letters is symmetric: A, F, G, or P? _____
6. A wheel of a Bullock Cart is a _____ shape with _____ center point.
7. Is the number '8' symmetric horizontally and vertically? [?] Yes | [?] No
8. The face of a dice used in Ludo is a _____.
9. Draw a line of symmetry for the letter 'M': _____
10. Which shape has no corners and no straight sides? _____

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1. In a Rangoli, if one side is a mirror image of the other, it has _____.
2. Calculate the perimeter of a square plot in Delhi if one side is 10m: _____
3. How many lines of symmetry does a regular Pentagon (5-sided) have? _____
4. The angle ? between two perpendicular lines in a square is _____ degrees.
5. If the radius of a bindi is 1 cm, what is its diameter? _____
6. A pattern follows: ? ? ? ?. What is the next shape? _____
7. Can a triangle have more than 3 lines of symmetry? Why? _____
8. Name a 3D shape that has a circular base and a vertex at the top: _____
9. If a shape is folded along its line of symmetry, the two halves must _____.
10. Explain why a hand-drawn ? (cloud) usually does not have symmetry: _____