

Shapes Worksheets For Kindergarten Answer Key PDF

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Part 1: Building a Foundation

Which shape has four equal sides?

undefined. Triangle

undefined. Rectangle

undefined. Square ✓

undefined. Circle

The correct answer is the square, which has four equal sides.

Select all shapes that have three sides.

undefined. Triangle ✓

undefined. Rectangle

undefined. Hexagon

undefined. Pentagon

The correct answer is the triangle, which has three sides.

Write the name of a shape that has no corners.

The expected answer is 'Circle', which has no corners.

List two shapes that have four sides.

1. First shape with four sides

Square

2. Second shape with four sides

Rectangle

Expected answers include 'Square' and 'Rectangle'.

Which shape is often used to represent a stop sign?

undefined. Circle

undefined. Hexagon

undefined. Octagon ✓

undefined. Triangle

The correct answer is the octagon, which is used for stop signs.

Part 2: Understanding and Interpretation

Which of the following shapes can be found in a soccer ball pattern?

undefined. Hexagon ✓

undefined. Pentagon ✓

undefined. Circle

undefined. Square

The correct answers are hexagon and pentagon, which are used in soccer ball patterns.

Explain why a rectangle is different from a square.

A rectangle has opposite sides that are equal, while a square has all sides equal.

Identify two shapes that can be symmetrical and describe how they are symmetrical.

1. First symmetrical shape

Square

2. Description of symmetry

Divided into equal halves vertically and horizontally.

3. Second symmetrical shape

Circle

4. Description of symmetry

Divided into equal halves at any angle.

Expected answers include shapes like square and circle, which can be divided symmetrically.

Part 3: Application and Analysis

If you fold a square in half, what shape do you get?

undefined. Rectangle ✓

undefined. Triangle

undefined. Circle

undefined. Hexagon

The correct answer is a rectangle, which is formed when a square is folded in half.

Which shapes can be combined to make a house shape?

undefined. Triangle and Square ✓

undefined. Circle and Rectangle

undefined. Hexagon and Pentagon

undefined. Oval and Star

The correct answer is triangle and square, which can be combined to create a house shape.

Describe how you would use shapes to create a picture of a tree.

Expected answers may include using rectangles for the trunk and circles or triangles for the leaves.

Which shape has more sides than a pentagon but fewer than an octagon?

undefined. Hexagon ✓

undefined. Triangle

undefined. Square

undefined. Circle

The correct answer is hexagon, which has six sides.

Analyze the following shapes and select those that have equal angles.

undefined. Square ✓

undefined. Rectangle ✓

undefined. Triangle

undefined. Circle ✓

The correct answers are square, rectangle, and circle, as they have equal angles.

Compare a triangle and a rectangle in terms of their sides and angles.

A triangle has three sides and can have acute, right, or obtuse angles, while a rectangle has four sides and right angles.

Part 4: Evaluation and Creation

Which shape would be the best choice for designing a wheel?

undefined. Triangle

undefined. Square

undefined. Circle ✓

undefined. Hexagon

The correct answer is circle, which is the best shape for a wheel.

Which shapes can be used to create a star pattern?

undefined. Triangle ✓

undefined. Square

undefined. Pentagon ✓

undefined. Circle

The correct answers are triangle and pentagon, which can be used to create star patterns.

Imagine you are designing a playground. Describe how you would use different shapes to create the layout.

Expected answers may include using rectangles for slides, circles for swings, and triangles for climbing structures.

Evaluate the use of shapes in traffic signs. List two shapes and explain why they are effective for their purpose.

1. First shape

Octagon

2. Explanation of effectiveness

Easily recognizable for stop signs.

3. Second shape

Triangle

4. Explanation of effectiveness

Indicates yield and is easily seen.

Expected answers may include octagon for stop signs and triangle for yield signs, as they are easily recognizable.