

◆ Aksum Math

Name: _____

2D Shapes

Date: _____

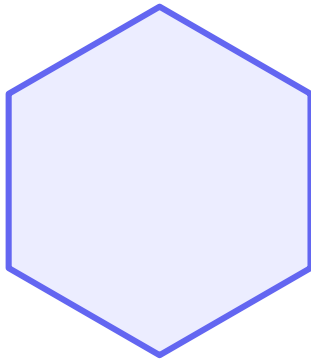
Geometry · Grade 1

Score: _____ / 12

★ Hard · 12 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. What shape is shown?

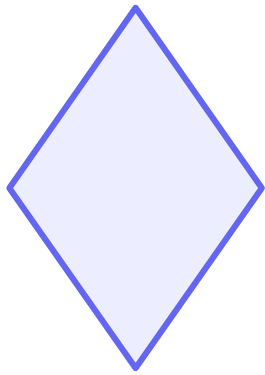


Answer: _____

2. How many edges and vertices does a cube have?

Answer: _____

3. What shape is shown?



Answer: _____

4. A square has 4 equal sides. How many corners does it have?

Answer: _____

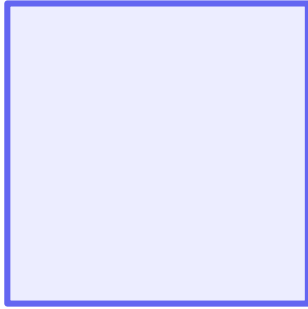
5. True or False: Every square is also a rhombus.

Answer: _____

6. What is the difference between a cone and a pyramid?

Answer: _____

7. How many lines of symmetry does this shape have?



Answer: _____

8. Which 3D shape has 2 circular faces and 1 curved surface?

Answer: _____

9. If you cut a rectangle diagonally from corner to corner, what two shapes do you get?

Answer: _____

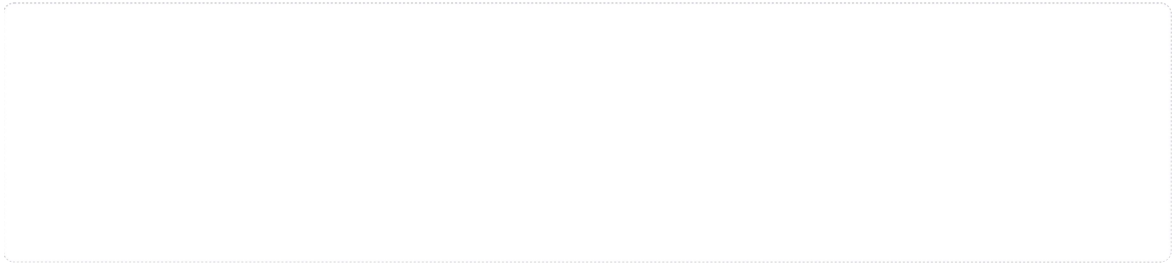
10. True or False: A square is also a parallelogram.

Answer: _____

11. If you cut a circle into 2 equal parts, what is each part called?

Answer: _____

- 12.** What is the name of a triangle that has one angle of exactly 90° ?



Answer: _____

Answer Key 2D Shapes — Hard

1. Regular hexagon

A regular hexagon has 6 equal sides and 6 equal angles.

2. 12 edges and 8 vertices

A cube has 12 edges (line segments) and 8 vertices (corner points).

3. Rhombus

A rhombus has 4 equal sides like a square, but its angles are not 90° — it looks like a tilted square.

4. 4

Every square has 4 sides AND 4 corners (vertices) — one at each end of each side.

5. True

A rhombus has 4 equal sides. A square also has 4 equal sides — so every square is a special rhombus.

6. A cone has a circular base; a pyramid has a polygon (flat shape) as its base.

Both come to a point at the top, but the base of a cone is a circle while a pyramid's base is a polygon like a square or triangle.

7. 4

A square can be folded along 4 different lines and match perfectly: 2 through opposite corners, 2 through midpoints of opposite sides.

8. Cylinder

A cylinder (like a can) has a circular top, circular bottom, and one curved side.

9. Two triangles

A diagonal cut through a rectangle creates 2 equal right triangles.

10. True

A parallelogram has 2 pairs of parallel sides. A square has 2 pairs of parallel sides, so it is a parallelogram.

11. Semicircle (one half)

Dividing a circle into 2 equal parts gives 2 halves. Each half-circle is called a semicircle.

12. Right triangle

A right triangle has one angle that is exactly 90° — a square corner.
