

# Max the Monkey's Geometry Challenge

*Learning objective: To identify, describe, and classify 2D and 3D shapes based on their properties.*

Read the front of each flashcard to test your knowledge of shapes. Flip to see if you are correct! Use these to help you master geometry with Max.

How many sides does a pentagon have?

5 sides.

What do we call the corner where two lines meet on a 2D shape?

A vertex (or corner).

Max has a shape with 6 flat faces, 12 edges, and 8 vertices. What is it?

A cube.

True or False: A circle has 0 vertices.

True.

What is the name of a 3D shape that has a curved surface and a circular base?

A cone.

How many lines of symmetry does a square have?

4 lines of symmetry.

A shape has 3 sides and 3 vertices. What is it?

A triangle.

What is the difference between a 2D and a 3D shape?

2D shapes are flat; 3D shapes are solid and have depth.

How many faces does a sphere have?

1 curved face.

What do we call a 2D shape with 4 equal sides and 4 right angles?

A square.

Is a cylinder a 2D or 3D shape?

3D shape.

What is the name of a 2D shape with 6 sides?

A hexagon.