

Max's Magnificent Shape Shifters

Learning objective: To identify, classify and describe 2D and 3D shapes, including angles and lines of symmetry.

Read the front of the card to test your knowledge. Flip it over (or read the answer after the pipe symbol) to see if you are correct. Can you think of a real-world object for each shape?

What is an acute angle?	What is an obtuse angle?
An angle that is less than 90 degrees.	An angle that is greater than 90 degrees but less than 180 degrees.
How many lines of symmetry does a regular square have?	What do we call lines that are always the same distance apart and never touch?
4 lines of symmetry.	Parallel lines.
What do we call lines that meet at a right angle (90 degrees)?	How many faces does a cube have?
Perpendicular lines.	6 faces.
What is a polygon?	What is the point where two or more edges meet on a 3D shape?
A 2D shape with straight sides that is fully closed.	A vertex (plural: vertices).
Does a circle have any vertices?	What is the name of a triangle with three equal sides and three equal angles?
No, a circle has no straight sides and no vertices.	An equilateral triangle.
How many edges does a triangular prism have?	Max has a shape with 5 sides. What is it called?
9 edges.	A pentagon.