

Max's Shape Masterclass: Geometry Flashcards

Learning objective: To identify, describe, and classify 2D and 3D shapes, including regular and irregular polygons, and properties of angles.

Use these flashcards to test your knowledge of geometry. Read the question on the front, think of the answer, and then check the back to see if you are right!

What is a polygon?

A 2D shape with three or more straight sides.

What do we call an angle that is less than 90 degrees?

An acute angle.

What is an obtuse angle?

An angle that is greater than 90 degrees but less than 180 degrees.

What is a reflex angle?

An angle that is greater than 180 degrees but less than 360 degrees.

What are parallel lines?

Lines that stay the same distance apart and will never meet, no matter how far they are extended.

What are perpendicular lines?

Lines that meet at a 90-degree (right) angle.

Define a regular polygon.

A polygon where all sides are equal in length and all interior angles are equal.

How many faces does a cube have?

6 faces.

What is a vertex?

A point where two or more edges meet (the corner).

If a triangle has three unequal sides, what is it called?

A scalene triangle.

What is the sum of angles on a straight line?

180 degrees.

How many edges does a square-based pyramid have?

8 edges.