

Max's Geometry Challenge: Mastering Shapes and Angles

Learning objective: To identify, describe, and classify 2D and 3D shapes, calculate angles, and understand properties of geometric figures according to Year 5 standards.

Use these flashcards to test your knowledge of geometry. Read the front of the card, attempt to answer the problem, and then check your answer against the definition provided.

What is an acute angle?	How many degrees are in a full turn?
An angle that is greater than 0° but less than 90° .	360° .
Define a regular polygon.	What is the name for an angle greater than 180° but less than 360°?
A polygon where all sides are of equal length and all interior angles are equal.	A reflex angle.
Max has a triangle with two equal sides and two equal angles. What is it called?	What are perpendicular lines?
An isosceles triangle.	Lines that meet or cross at a right angle (90°).
How many faces, edges, and vertices does a cube have?	What is the sum of angles on a straight line?
6 faces, 12 edges, and 8 vertices.	180° .
Describe a rhombus.	What defines parallel lines?
A quadrilateral with four equal sides and opposite equal angles.	Lines that are always the same distance apart and will never meet, no matter how far they are extended.
What is the sum of interior angles in any triangle?	If a rectangle has a length of 5cm and a width of 3cm, what is its perimeter?
180° .	16cm ($5 + 3 + 5 + 3$).