

Max's Geometry Challenge: Mastering Shapes and Angles

Learning objective: To identify, describe, and classify 2D shapes and angles according to their mathematical properties.

Read the front of each flashcard to test your knowledge of geometry. Flip the card to check if your answer matches Max the Monkey's notes!

What is an acute angle?

An angle that is less than 90 degrees.

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.

Describe parallel lines.

Lines that stay the same distance apart and never meet.

What are perpendicular lines?

Lines that meet or cross at a right angle (90 degrees).

What is a regular polygon?

A 2D shape where all sides and all interior angles are equal.

Define an equilateral triangle.

A triangle with three equal sides and three equal angles (all 60 degrees).

Define an isosceles triangle.

A triangle with at least two equal sides and two equal angles.

Define a scalene triangle.

A triangle where all three sides and all three angles are different lengths and sizes.

What is a quadrilateral?

A four-sided polygon.

How many degrees are in a straight line?

180 degrees.

How many degrees are in a full turn?

360 degrees.