

Max's Magnificent Geometry Guide

Master the Maze of Shapes: Precision, Patterns, and Polygons!

- An acute angle is strictly greater than 0 degrees but less than 90 degrees. How does this compare to an obtuse angle?
- Parallel lines are always the same distance apart and will never meet, whereas perpendicular lines intersect at exactly 90 degrees.
- A regular polygon has equal sides and equal interior angles; an irregular polygon does not share these consistent properties.
- A line of symmetry acts like a mirror; if you fold a shape along this line, both halves must match perfectly.
- A reflex angle is greater than 180 degrees but less than 360 degrees, making it larger than a straight line.

Did you know? Did you know that a regular polygon with an infinite number of sides would eventually become a perfect circle? Max the monkey loves to calculate the exact degree of every turn he makes while swinging through the trees, proving that geometry is hidden in nature all around us!

Key vocabulary: Polygon · Reflex angle · Parallel · Perpendicular · Symmetry · Vertex · Quadrilateral · Acute