

Max's Magnificent Geometry Guide

Get your brain buzzing with Max the Monkey—shapes are everywhere!

- A horizontal line goes from left to right, like the horizon at sunset. A vertical line stands straight up and down, like a tall tree.
- Parallel lines are like railway tracks; they stay the same distance apart and will never touch, no matter how far they go.
- Perpendicular lines meet to form a square corner, which we call a right angle.
- A 2D shape is flat, like a drawing on paper. A 3D shape is solid, like a ball or a box, and takes up space.
- A vertex (the plural is vertices) is the fancy maths name for a corner where two or more straight lines meet.

Did you know? Did you know? A 'polygon' is any 2D shape with straight sides that is fully closed. Even a massive shape with a hundred sides is still a polygon, as long as it has no gaps and no curved lines!

Key vocabulary: Horizontal · Vertical · Parallel · Perpendicular · Polygon · Vertex · Right angle