

# Max's Magnificent Measurements: Area and Perimeter

Master the measurement mystery with Max the Monkey!

- **What is the perimeter?** It is the total distance around the outside edge of a 2D shape. You calculate it by adding the lengths of all the sides together.
- **How do we define area?** Area is the total amount of space inside a shape's boundary, measured in square units like  $\text{cm}^2$ .
- **What is a rectilinear shape?** It is a shape where all the sides meet at right angles, making it perfect for counting squares to find the area.
- **Why must we use the same units?** To ensure accuracy, always check that all side lengths are in the same unit (e.g., all in centimetres) before you begin calculating.
- **Can two shapes have the same area but different perimeters?** Yes! A long, thin rectangle can have the same area as a square, but their perimeters will be very different.

*Did you know? Did you know? The perimeter of a shape is like a fence around a garden, while the area is the amount of grass needed to cover the ground inside that fence! If you have a shape made of grid squares, you can simply count them to find the area in square centimetres ( $\text{cm}^2$ ).*

**Key vocabulary:** Perimeter · Area · Rectilinear · Square centimetres · Boundary · Surface · Dimensions