



# KNOWLEDGE ORGANISER: Maths- Area Year 4 Block 2

## What is area?

Area is the amount of space *inside* a 2D shape.

We measure area using square units, such as square centimetres (cm<sup>2</sup>).

## How Do We Find Area?

Shape Type	Method	Example
Regular shapes	Multiply length x width	4 cm x 3 cm = 12 cm <sup>2</sup>
Irregular shapes	Count the squares inside the shape	Count full and part squares in the shape

## Key Vocabulary

Area- The space inside the border of a 2D shape

Square unit- A square used to measure area

Estimate- A sensible guess before you calculate

Irregular shape- A shape with sides and angles that are not all the same

Regular shape- A shape where all the sides are the same length and all the angles are equal.

## Key Outcomes

1. Calculate area of squares and rectangles using multiplication and counting squares.
2. Estimate and compare the area of regular and irregular shapes.
3. Use correct mathematical vocabulary to explain and solve problems involving area.

The area is the amount of space inside a 2D shape.

To find the area of a rectangle, multiply the height by the width.

$$\text{height} \times \text{width} = \text{area}$$



5 cm

7 cm