Y5 Area

ESSENTIAL VOCABULARY

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perimeter	Distance around the outside of a shape.
rectilinear	A shape with straight lines and parallel sides.
area	The size a surface takes up.
dimensions	The sides that can be measured (length, width and height)

AREA OF RECTANGLES

The area of a rectangle on a grid:
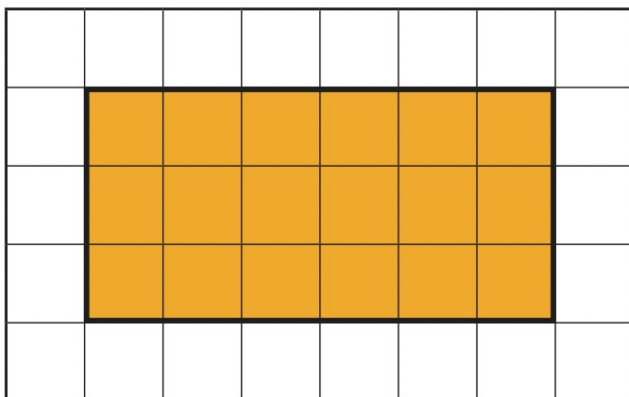
Multiply the length × width
= 6 × 3 = 18 squares.

AREA OF COMPOUND SHAPES

To find the area of a compound shape, divide the shape into rectangles with known dimensions:

7cm

5cm
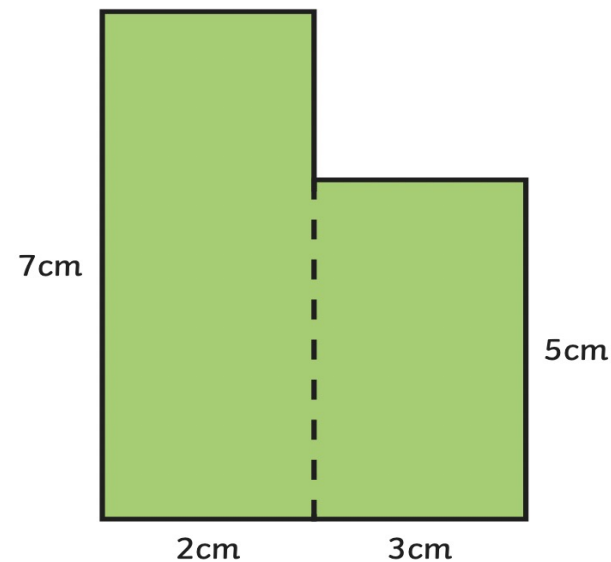
2cm   3cm

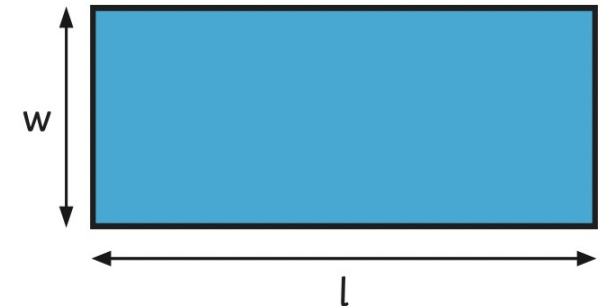Area = 7cm × 2cm + 3cm × 5cm
    = 14cm² + 15cm²
    = 29cm²

LINKS TO PREVIOUS LEARNING

- Year 4 : To find the area of a rectilinear shape by counting the squares.
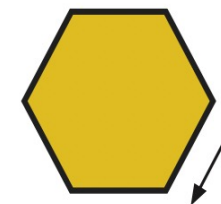
PERIMETER

Measure Perimeter

Measure the perimeter of a rectangle:

w

l

Measure the length (l) and width (w).
Perimeter = l + w + l + w or (l + w) × 2

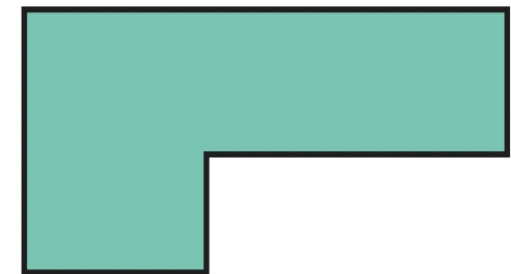**Measure the perimeter of regular shapes:**

Measure the length (l) and count the number of sides (s) on the shape.

l

Perimeter = l × s

Measure the perimeter of irregular shapes:

Measure the length of each side and add them together.