

**TARGET** To find the area of irregular shapes by counting squares and to find their perimeters.

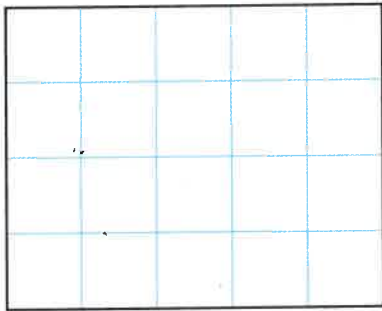
The area of a shape is the amount of surface it covers.

Area is measured in squares, usually square centimetres (cm<sup>2</sup>) or square metres (m<sup>2</sup>).

The perimeter of a shape is the distance around its edges.

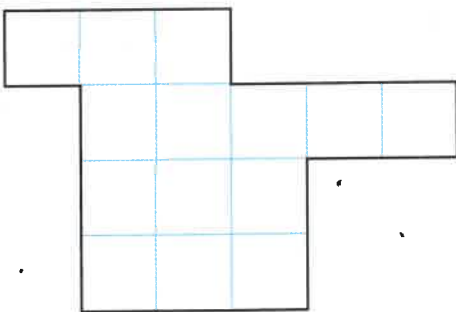
The perimeter of a field is the length of the fence around it. The area is the field itself.

**Examples**



Area = 4 rows of five 1 cm<sup>2</sup>  
= 20 cm<sup>2</sup>

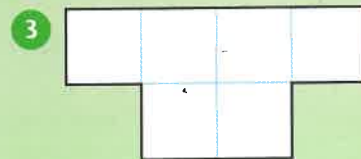
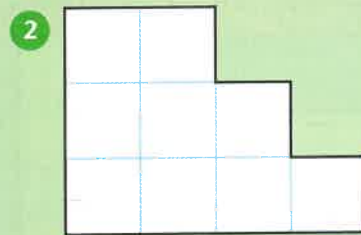
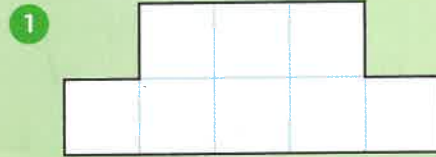
Perimeter = 2(5 + 4) cm  
= 2 × 9 cm  
= 18 cm



Area = 14 cm<sup>2</sup>  
Perimeter = 20 cm  
(3 + 1 + 3 + 1 + 2 + 2 + 3 + 3 + 1 + 1) cm

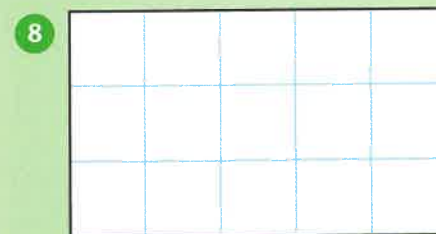
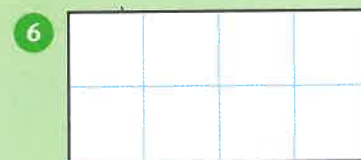
**A**

Find the area of each of these irregular shapes.



For each shape work out:

- a) the area
- b) the perimeter.



- 9 Use squared paper.  
Draw three different irregular shapes with an area of 8 cm<sup>2</sup>.