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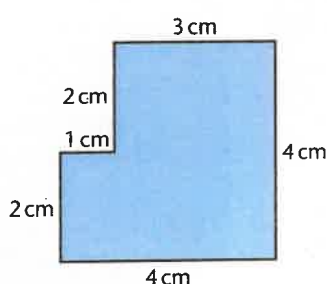
Examples

6 cm

4 cm
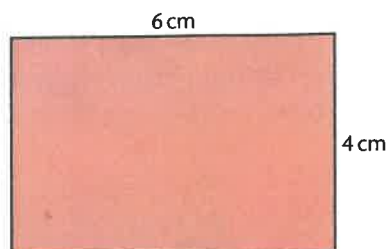
Perimeter of rectangle = (6 + 4 + 6 + 4) cm
$$= 20 cm$$

or

Perimeter of rectangle = 2(6 + 4) cm
$$= 2 \times 10 cm$$
$$= 20 cm$$

3 cm

2 cm

1 cm

4 cm

2 cm

4 cm

Perimeter of hexagon
(2 + 1 + 2 + 3 + 4 + 4) cm = 16 cm

A

Measure the edges of each shape and work out the perimeters.

① ② ③ ④ ⑤
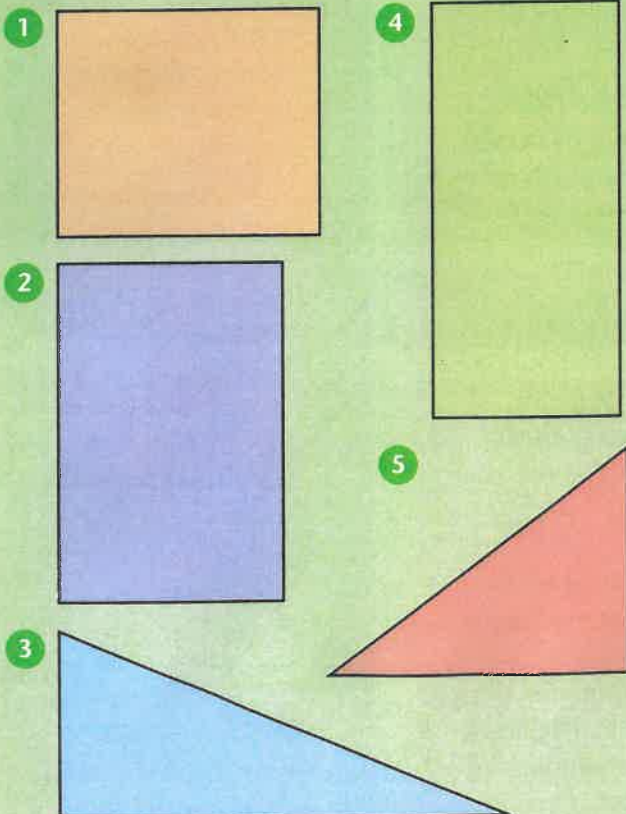
Use 1 cm squared paper.
Draw the following shapes and find the perimeter of each.

⑥ a rectangle
sides of 6 cm and 2 cm

⑦ a square
sides of 2 cm

⑧ a rectangle
sides of 4 cm and 3 cm

⑨ a square
sides of 5 cm

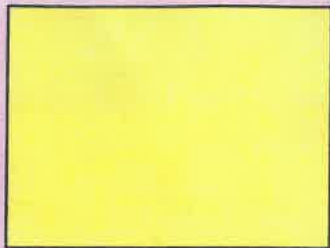Use 1 cm squared paper.

⑩ Draw a square with a perimeter of 24 cm.

⑪ Draw a rectangle with a perimeter of 24 cm.

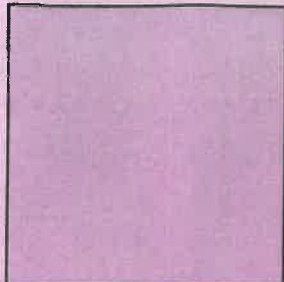⑫ Draw 3 different rectangles each with a perimeter of 18 cm.

B

Measure the edges of each shape to the nearest millimetre. Work out their perimeters.
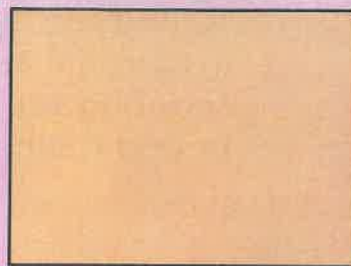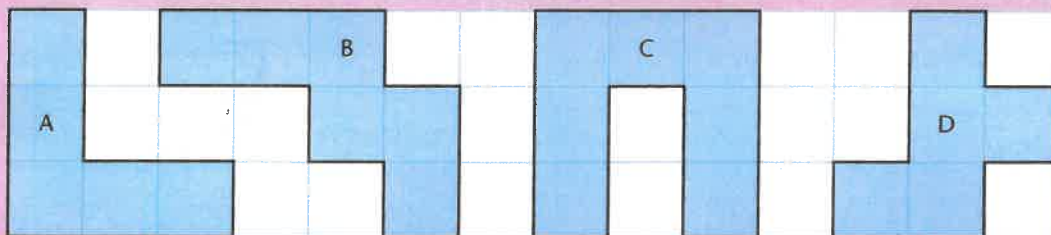
1 **2** **3**

4 Work out the perimeter of these irregular shapes drawn on 1 cm squared paper.

A   B   C   D

5 Use squared paper. Draw different rectangles with a perimeter of:
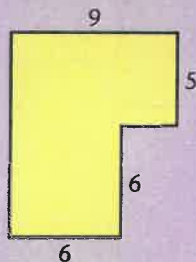 a) 22 cm   b) 24 cm.

C

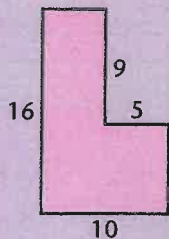**1** Copy and complete this table showing measurements of rectangles.

Length (cm)	9		7	10		11		12	35	
Width (cm)	3	2		4	8		8			4
Perimeter (cm)		16	20		34	26	50	42	100	36

Work out the perimeter of each shape. All the lengths are in centimetres.

2 9, 5, 6, 6

3 16, 9, 5, 10
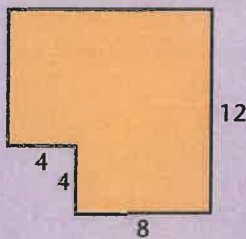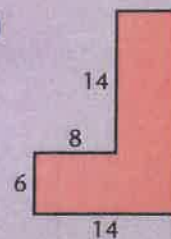
4 12, 4, 4, 8

5 14, 8, 6, 14

Use a set square and a ruler.
Draw the following rectangles and work out their perimeters.

6 3·3 cm by 5·7 cm   **8** 4·8 cm by 7·2 cm

7 6·1 cm by 2·4 cm   **9** 5·6 cm by 2·9 cm