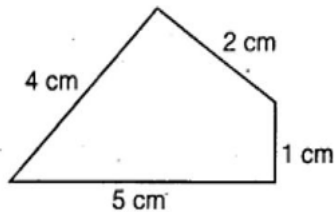Date: _____   Class: 6   Div: _____   Roll No: _____   Sub: Maths

Name: _____   Ch-6 Worksheet

Ch-6 Perimeter and Area

Q1. Find the perimeter for the following:

(i)	(ii)
2 cm, 4 cm, 5 cm, 1 cm (triangle-like shape)	2.5 cm, 2 cm, 2 cm, 1 cm, 1 cm, 1 cm, 1 cm, 0.5 cm (T-shape)
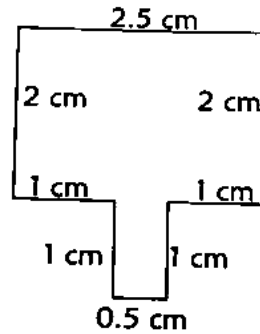
Q2. Find the perimeter of rectangle, if its dimensions are:

(i) l = 7 cm, b = 4 cm	(ii) l = 10.5 cm, b = 4.5 cm

Q3. Determine the side of a regular polygon with the given perimeter:

(i) *42 cm; Hexagon*	(ii) *900 m; Decagon*

Q4. Find the area of a square whose side is :

(i) 50 m	(ii) 12 cm

Q5. Find the area of a rectangle, whose dimensions are:

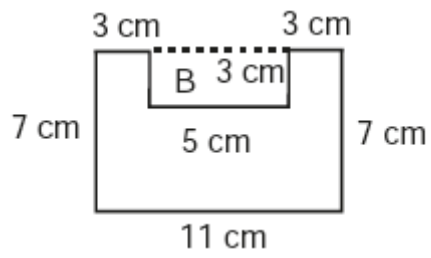| (i) l = 48 m, b = 50 m	(ii) 54 cm x 25 cm

Q6. Find the missing value in each of the following:

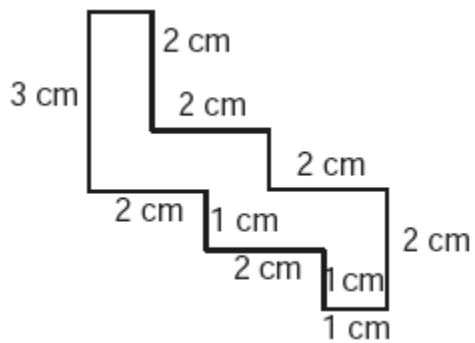| (i) In a rectangle, perimeter = 240 cm, breadth 40 cm, length =? and area =?	(ii) In a square, area =64 cm^2, side = ?, perimeter= ?

Q7. Find the area for the following:

(i)

3 cm   3 cm

B 3 cm

7 cm   5 cm   7 cm

11 cm

(ii)

2 cm

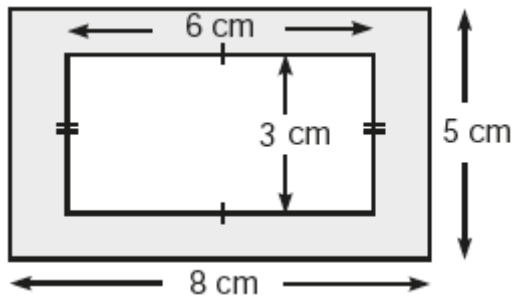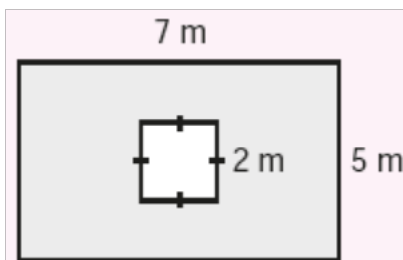3 cm   2 cm

2 cm

2 cm   1 cm

2 cm   1 cm

1 cm

2 cm

Q8. Find the area of the shaded portions:

(i)

(ii)

Q9. Solve the given word problems:

(i) A rectangular field is 50 m x 40 m. Krishiv goes 20 times around it. How much distance does he cover?

(ii) Find the cost of fencing a square park of side 325 m at the rate of Rs 25 per metre.

(iii) A tile measures 10 cm x 10 cm. How much such tiles are required to cover a wall of 4 m x 2.5 m?

(iv) The total cost of flooring a room at Rs 125 per sq.m is Rs.10000. If the breadth of the room is 8 metres. Find its length.

(v) The cost of putting a fence around a square field at the rate of Rs 25 per metre is Rs 1600. Find the length of each side of the field.
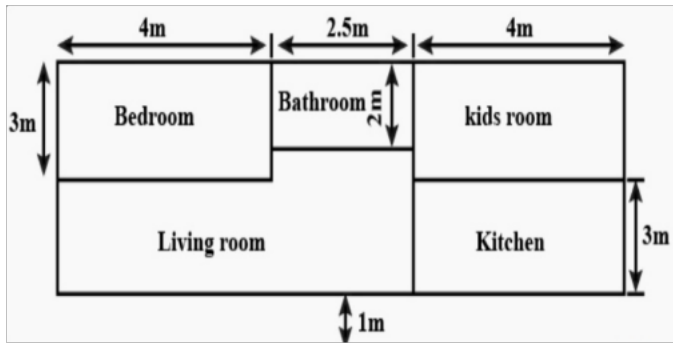
(vi) Four square flower beds each side 4 m are dug in four corners on a piece of land 12 m long and 10 m wide. Find the are of the remaining part of the land.

(vii) The length and breadth of a rectangular sheet of paper is 25 m and 16 m respectively. A square sheet of side equal to one-fourth of the breadth of rectangular sheet is removed from each corner of the sheet. Find the area of the remaining portion of the sheet.

(viii) Priya runs around a square field of side 28 m. Prakash runs around a rectangular field with length 17 m and breadth 12m. Who covers more distance and by how much?

Q10. The diagrams show the floor plan of a house. Find the area for the given:

(i) Find the area of Bedroom, Bathroom and Kitchen.

	4m		2.5m		4m	
3m	Bedroom		Bathroom 2m		kids room	
	Living room				Kitchen	3m
		1m				

(ii) Find the area of Dinning Room and Living Room.

	← 8 m →		← 7 m →	
13 m	Bedroom		Kitchen	
		Living room		20 m
	Bathroom			
	Bedroom		Dining room	
		25 m		