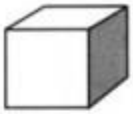
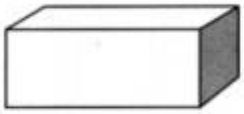
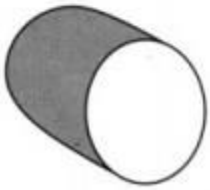
Grade 5 Maths Area and Its Boundary Worksheets

1. Observe the following, name them and complete the table:

Object	Name	No. of faces	No. of edges	No. of corners
(a) 				
(b) 				
(c) 				
(d) 				
(e) 				

2. Fill in the blanks:

(a) The region enclosed between the boundaries of a figure is called its …… .

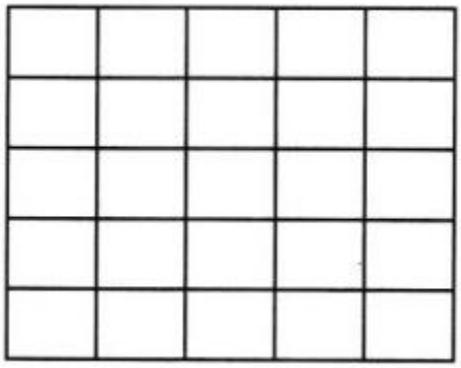
(b) Area of a rectangle = …… × …… .

(c) Area of a square = …….. × …… .

(d) The sum of the lengths of all the line segments of a simple closed f igure is called its …… .

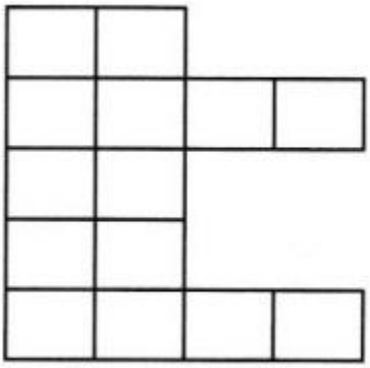
3. Measure the perimeter of these figures by counting the lines along the boundary. (Each square is 1 cm in length)

(a) ……

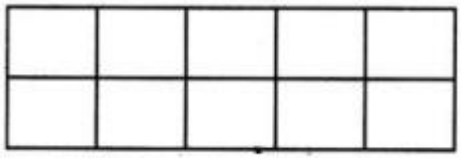


(b) ……

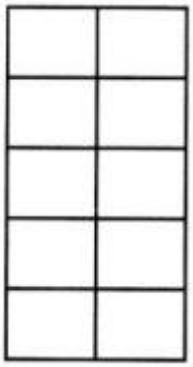
(c) ……



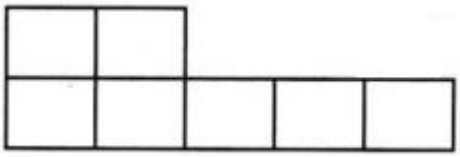
(d) ……



(e) ……..

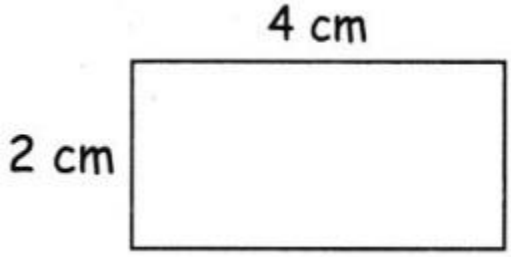


(f) ……

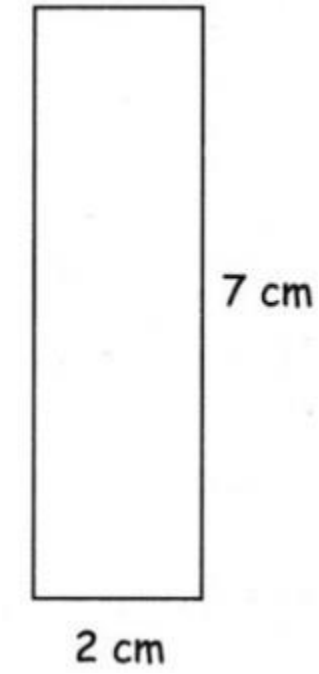


4. Which unit will you choose to measure the areas of the following:
(a) A handkerchief
(b) Your city
(c) The blackboard or white board in your class
(d) Your classroom
(e) A cricket field
(f) A saree
(g) The Dal lake in Srinagar
(h) A computer screen

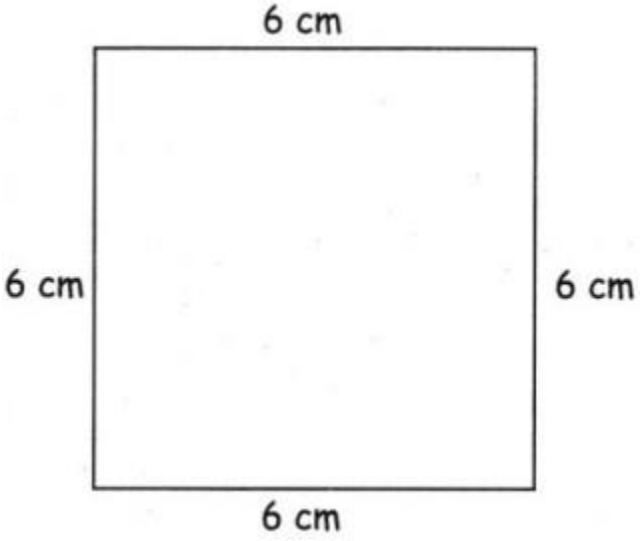
5. Find the area using the formula:
(a)



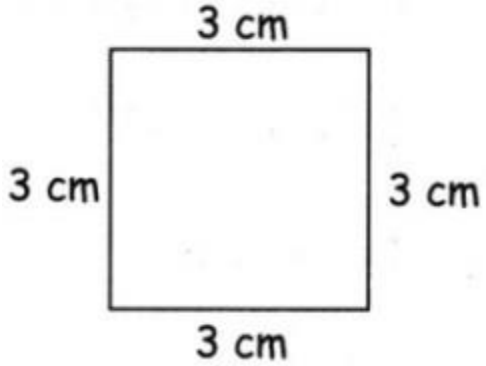
(b)



(c)

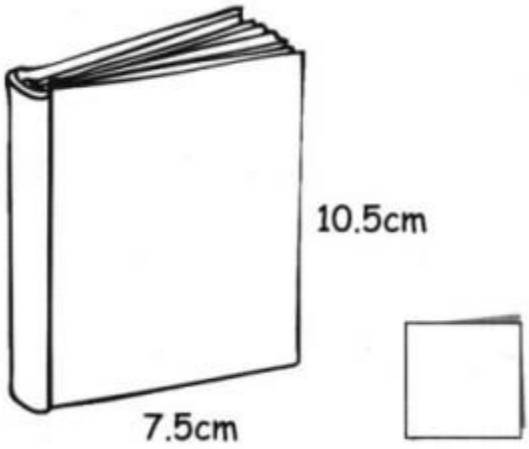


(d)

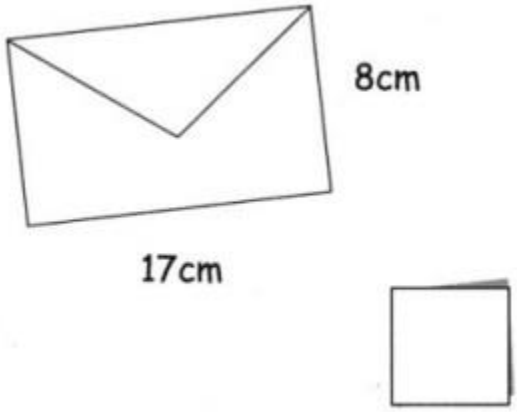


6. Find the perimeter using the formula:

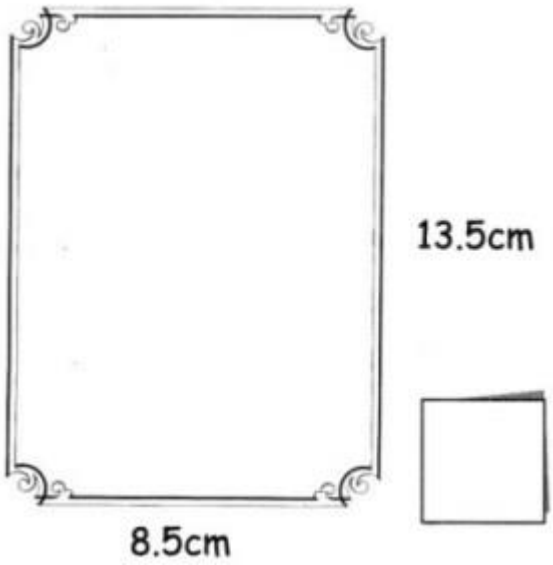
(a)



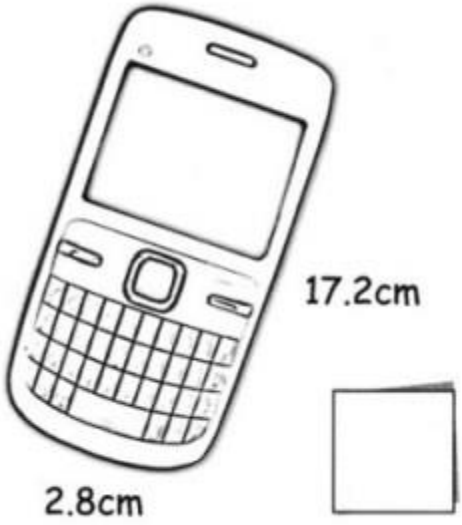
(b)



(c)



(d)



7. Find the perimeter of the rectangles using the formula:
(a) Length = 4 cm; Breadth = 9 cm ……..
(b) Length = 5 cm; Breadth = 7 cm ……..
(c) Length = 20 cm; Breadth = 12 cm …….
(d) Length = 100 cm; Breadth = 20 cm …….
(e) Length = 14 cm; Breadth = 2.5 cm ……
(f) Length = 17.5 cm; Breadth = 7 cm ……..

8. Find the perimeter of squares with sides of the following lengths:
(a) 4 cm
(b) 10 cm
(c) 5 cm
(e) 120 cm
(f) 14 cm

9. Find the lengths of the sides of squares with the following perimeters:
(a) 32 cm
(b) 44 cm
(c) 20 cm
(d) 108 cm
(e) 56 cm
(f) 200 cm

10. Find the perimeter (P) and area (A) of each rectangle:

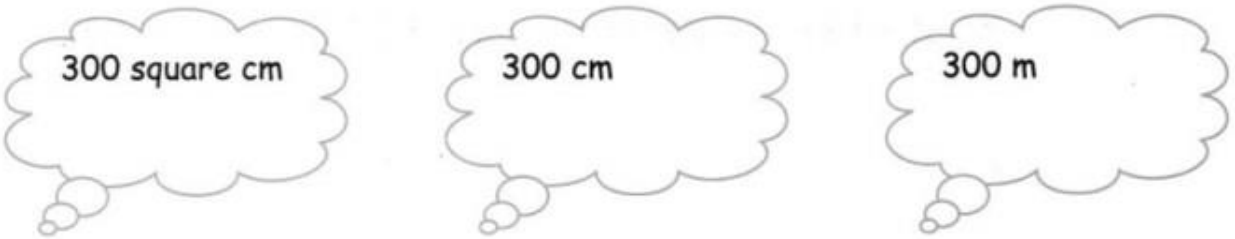
	(a)	(b)	(c)	(d)	(e)
l (cm)	12	24	17	19.5	13
b (cm)	8	5	10	25	7
P (cm)					
A (sq.cm)					

11. Find the perimeter (P) and area (A) of the each square:

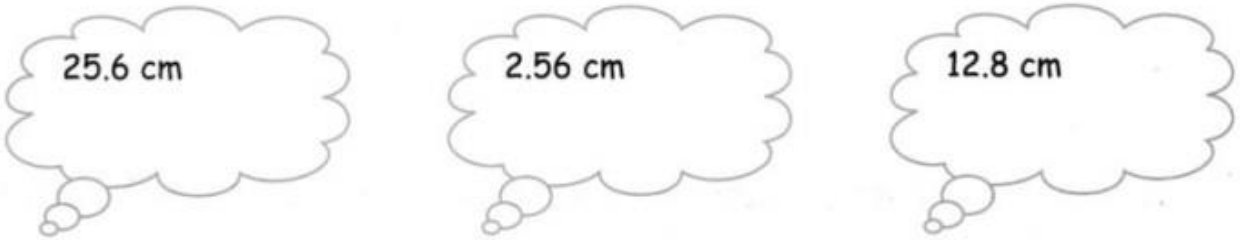
	(a)	(b)	(c)	(d)	(e)
Side (cm)	8	12	20	24	36
P (cm)					
A (sq,cm)					

12. Tick (✓) the right cloud:
(a) The area of a square of side 12 cm will be

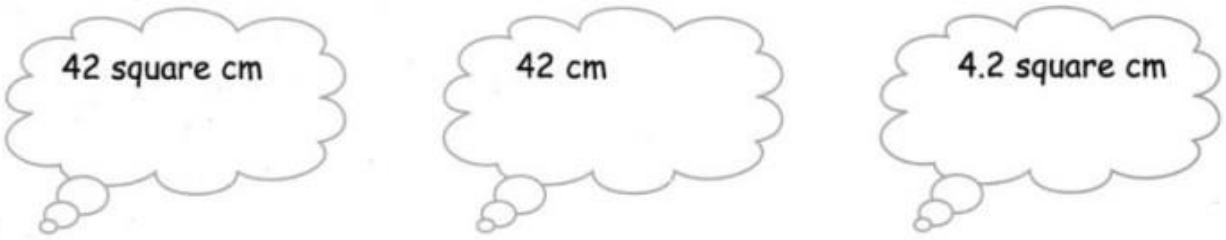
(b) A rectangular plot is 20 cm by 15 cm, its area will be



(c) The perimeter of a square whose sides are 6.4 cm will be



(d) The perimeter of a square whose sides are 10.5 cm will be



13. Solve the following word problems.

(a) (i) Find the area of the floor of a room to carpet whose length is 12m and breadth is 9m.

(ii) What will be the cost of the carpet if 1 sq. m costs ₹ 50?

(b) Find the cost of fencing a rectangular park of 120m length and 80m breadth at the rate of ₹ 2 per metre.

14. Given the perimeter; find the length of the side of each square.

	(a)	(b)	(c)	(d)	(e)
Side (cm)					
P (cm)	12	40	64	100	96

15. Mental Maths:
(a) If l = 5cm, b = 4cm
Then, Perimeter = ……
Area ……
(b) In a square, side = 5cm.
It's Area = ……
Perimeter = ……
(c) The Area of the square = 36 sq.cm
Its Side = ……
Perimeter = ……..
(d) Perimeterof a square = 36 sq.cm
Its Side = …….
Area ……..

16. Word Problems:
(a) A rectangular garden of length 15.5m and breadth 13.5m has to be fenced all around. What length of fencing will be required?
(b) Nalin wants to paste a ribbon around a square painting with each side = 45cm. What length of ribbon will be required?
(c) The cost of dry cleaning a carpet is ₹ 50 per sq.m. Find the cost of dry cleaning a carpet of length 4.5m and breadth 3m.
(d) Find the cost of filling a bathroom 3.50m long and 2m wide if the cost of filling is ₹ 250 per sq.m.