



INDIAN SCHOOL NIZWA-WORKSHEET

	MATHEMATICS	
	CH – 6 – PERIMETER AND AREA	
Name: _____	Date: _____	Class: VI Sec: ___

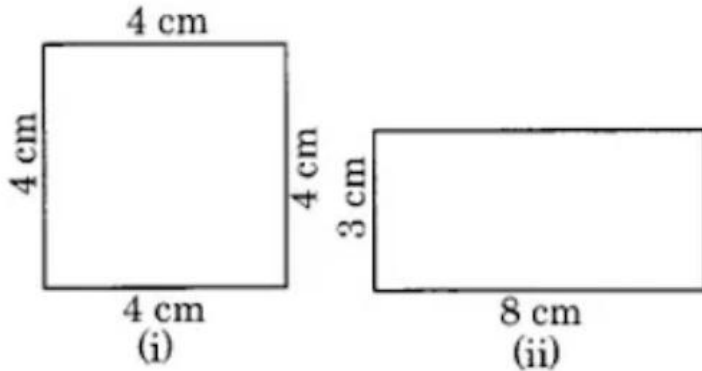
I. MULTIPLE CHOICE QUESTIONS:

- What is the perimeter of a square with a side length of 5 cm?
(a) 5 cm (b) 10 cm (c) 15 cm (d) 20 cm
- The area of a rectangle is 24 cm^2 , and its length is 8 cm. What is the width of the rectangle?
(a) 2 cm (b) 3 cm (c) 4 cm (d) 5 cm
- What is the perimeter of a rectangle with a length of 15 cm and a width of 10 cm?
(a) 25 cm (b) 30 cm (c) 40 cm (d) 50 cm
- A square has a perimeter of 24 cm. What is the length of one side?
(a) 4 cm (b) 6 cm (c) 8 cm (d) 12 cm
- The area of a rectangle is 54 square units. If its length is 9 units, what is its width?
(a) 5 units (b) 6 units (c) 7 units (d) 8 units
- A triangle has a perimeter of 20 cm. If two of its sides are 8 cm and 6 cm, what is the length of the third side?
(a) 4 cm (b) 6 cm (c) 8 cm (d) 10 cm
- A rectangular park is 30 meters long and 20 meters wide. What is the area of the park?
(a) 50 sq meters (b) 100 sq meters (c) 400 sq meters (d) 600 sq meters
- A triangle has a base of 10 cm and a height of 6 cm. What is its area?
(a) 30 cm^2 (b) 60 cm^2 (c) 50 cm^2 (d) 15 cm^2

II. Short answer type questions:

- Draw a square with a side length of 5 units. Calculate its perimeter and area.

10. A square-shaped playground has a side length of 150 m. The cost of fencing the playground is ₹12 per meter. What will be the total cost of fencing?
11. A farmer wants to plant a rectangular field with a length of 100 meters and a width of 40 meters. What is the area of the field?
12. Which of the following figure has a greater perimeter?

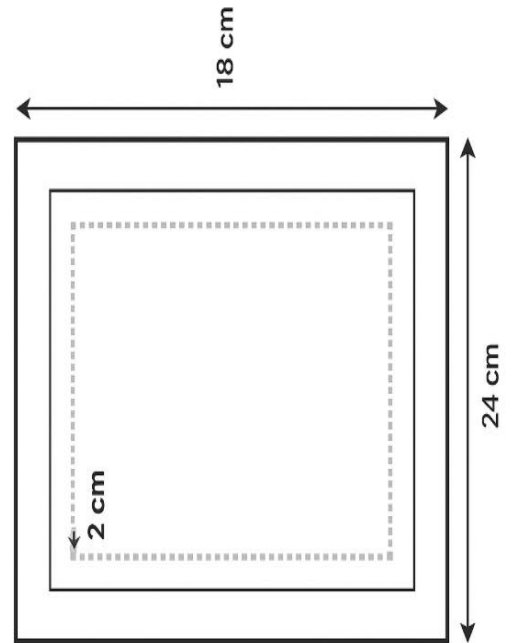


13. Find the total distance covered by an athlete in taking 2 rounds of a rectangular park of length 150 m and breadth 80 m.
14. A tailor wants to put lace around a square tablecloth of side 20 cm. He bought 1 m lace from the market. Find the length of lace left with him after completing the task.

III. Long answer type questions:

15. Find the number of square tiles required to cover the floor of a room whose length is 4 m and width 3 m, if each square tile is of side 0.2 m.
16. Two equal sides of an isosceles triangle measure 10 cm each. Find the length of its third side if its perimeter is 32 cm.
17. A piece of string is 60 cm long. What will be the length of each side if the string is used to form:
- (a) a square (b) an equilateral triangle (c) a regular pentagon
18. Fencing the compound of a house costs ₹5452. If the rate is ₹94 per metre, find the perimeter of the compound. If the breadth is 10 m, find its length.
19. A school has a rectangular garden that measures 20 m in length and 15 m in width. The gardener digs five flower beds—one at each of the four corners and one at the centre of the garden. Each flower bed is a square of side 2 m. What is the area of the garden that remains as lawn (not used for flower beds)?

20. Case Based Question:



A rectangular page in a notebook has a length of 24 cm and a width of 18 cm.

A border is drawn inside the page such that it is 2 cm away from the top and bottom edges and 1 cm away from the left and right edges.

Based on this information, answer the following questions:

1. What are the dimensions (length and width) of the inner border?
(Hint: Subtract distances from both sides.)
2. Calculate the perimeter of the inner border.
3. If the student wants to paste a decorative ribbon around the border, how much ribbon will they need?