Chapter: Perimeter and Area
Subtopic: Introduction, Squares and Rectangles

Section 1
Mark 'T' if the statement is true and 'F' if it is false:

1a. Perimeter is the distance covered along the boundary forming a closed figure when you go round the figure once.

1b. Perimeter of a square = 3 × length of its side.

1c. The amount of surface enclosed by a closed figure is called its area.

Section 2
Fill in the blanks:

2a. You need to know _____ to fence a rectangular field.

2b. The length and the breadth of a rectangular piece of land are 100 m and 250 m respectively. Its area is _____

2c. The area of a square skating rink whose perimeter is 320 m is _____.

Section 3

Answer the following questions:

3   The area of a rectangular sheet is 500 cm^2. If the length of the sheet is 20 cm, what is its width? Also find the perimeter of the rectangular sheet.
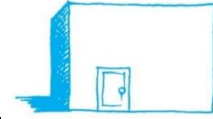
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4   A door of length 3 m and breadth 1m is fitted in a wall. The length of the
    wall is 5 m and the breadth is 4 m. Find the cost of white
    washing the wall, if the rate of white washing the wall is 50 rupees per m^2.

5   The area of a square plot is the same as of a rectangular plot. If the side of the
    square plot is 30 m and the length of the rectangular plot is 60 m, find the
    breadth of the rectangular plot.

6   A wire is in the shape of a square of side 8 cm. If the wire is
    rebent into a rectangle of length 10 cm, find its breadth. Which encloses
    more area, the square or the rectangle?

7   **Choose the right answer**
    If the perimeter increases , the area
    a) will increase   b) will decrease c) can increase or decrease or remain same

    Section 3
8   **Solve this:**
    A rope is in the shape of a rectangle. Its length is 20 cm and breadth is 10 cm.
    If the same rope is put in the shape of a square, what will the measure of each
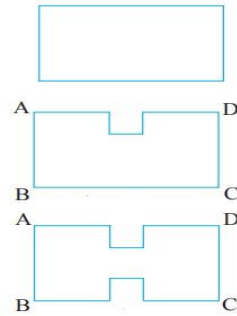   side be? Also find which shape encloses more area.

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Section 4: Think and answer the following questions:

9 Explain what you can infer from the picture on the right.

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10 Savita wants to fence the garden in front of her house, on three sides with lengths 20 m, 12 m and 12 m. Find the cost of fencing at the rate of rupees 140 per meter.

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