

## Perimeter and Area

### SPECIFIC OBJECTIVES

The students will

- know the perimeter of rectilinear figures.
- learn to find the perimeter of rectilinear figures on a square grid.
- conceptualise the term 'area'.
- learn how to calculate the area of a shape using a squared graph paper.
- know the formulas to find the perimeter and area of a rectangle and a square.
- learn the use of a geoboard.
- be able to solve the problems involving perimeters and areas in daily life activities.

### CONTENTS EXPLAINED INSIDE THE CHAPTER

- Perimeter (pages 149–152)
- Area (pages 153–157)

### TEACHING AIDS

A squared grid paper or graph paper, a tracing paper, a plain paper, a geoboard, rubber bands, a pencil, sketch pens, a matchbox, a postcard

### TEACHING STRATEGY

- The teacher should start the chapter with group activity. She may ask the students to measure the edges of their desk with a pencil or cover the tabletop using notebooks or textbooks, etc. Then, she should ask them to solve the questions of 'Let Us Recall' exercise.
- Next, the teacher should explain to them the idea of perimeter for different rectilinear figures. She should also discuss with them how to find the perimeter using a square grid paper. For text and exercise, she should go to pages 149–152.
- Thereafter, the teacher should talk with them about the area of some shapes. She should also explain how to calculate the area of figures on a grid/graph paper. Hence, she should ask

them to remember the formulas to find out the area of a rectangle or a square. For text and exercise, she should go to pages 153–157.

- Finally, the teacher should involve the students in Maths Lab Activity to reinforce their understanding.

## EXPECTED LEARNING OUTCOMES

Students are able to

- understand the meaning of 'perimeter' and 'area'.
- calculate the perimeter of rectilinear figures.
- calculate the perimeter of a rectangle and a square using formulas.
- find out the approximate area of different shapes on a grid or graph paper.
- calculate the area of a rectangle and a square using formulas.

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| <ul style="list-style-type: none"><li>● At the end of the semester, the teacher may assess the students using the materials of Model Test Paper or preparing a similar paper herself.</li></ul> |
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