Primary 4 Term 4 : SA2 Revision 1

Topic : Area and Perimeter

Definition

Perimeter – the distance or boundary surrounding a shape (eg. Square, Rectangle)

Area - the space occupied by a flat shape or the surface of an object.

Level 1 (2 Questions)

- Able to solve in 1-2 steps
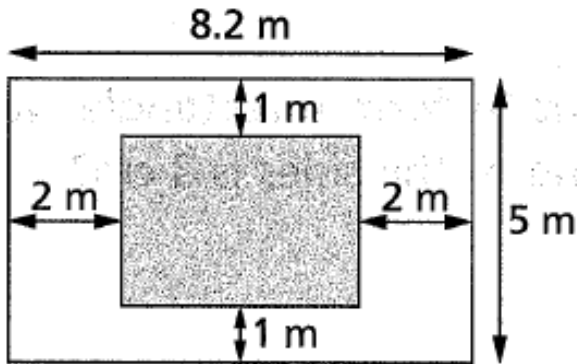- Requires knowledge of the basic concept

Level 2 (3 Questions)

- Able to solve in 3-4 steps
- Requires critical thinking skills
- Able to understand the problem within the context of the question
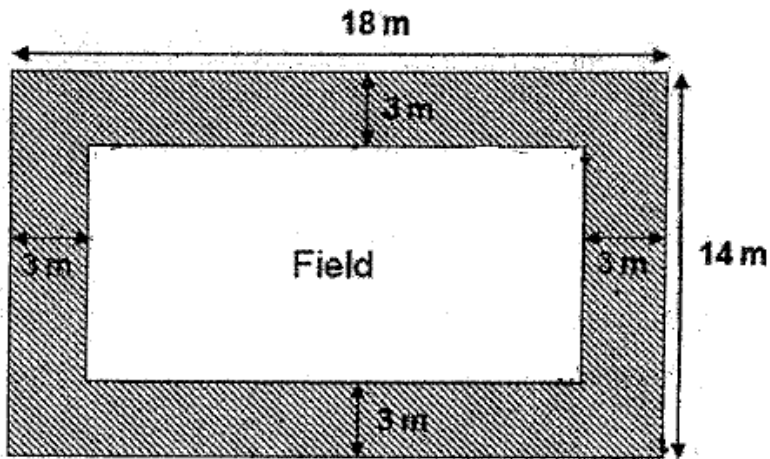
Level 3 (3 Questions)

- Able to solve in 4 or more steps
- Requires higher order thinking skills
- Able to apply the concept in different situations

Level 1

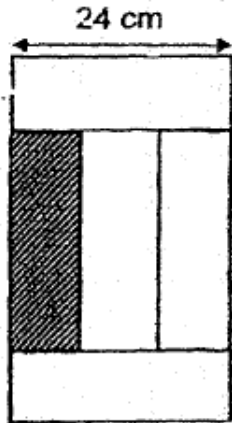1. Find the area of the shaded part.

2. The figure below shows a rectangular field measuring 18 m by 14 m. It has a path of width 3 m around it. Find the perimeter of the part that is not shaded.
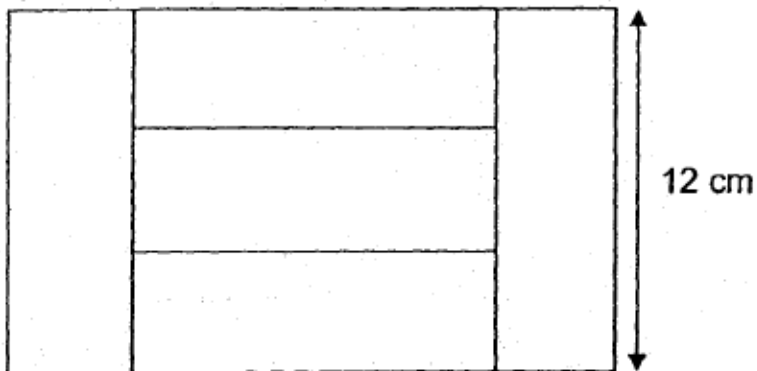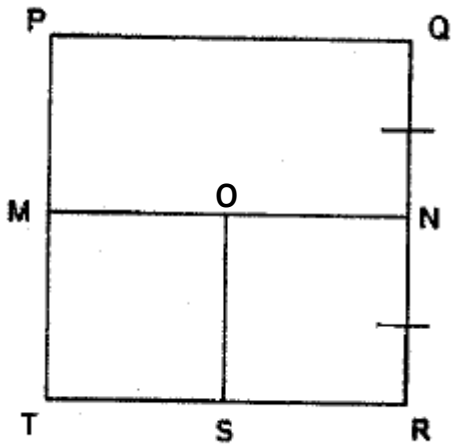
Level 2

1. The following figure is made up of 5 identical rectangles.
   What is the area of the shaded part?

2. The figure below is made up of five similar rectangles.
   The length of each rectangle is 12 cm. What is the perimeter of the whole figure?
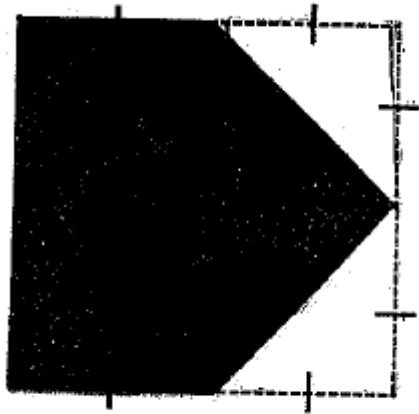
3. The figure below is made up of a rectangle and 2 squares. The perimeter of the figure is 48 cm and QN = NR. Find the area of Square MOST.
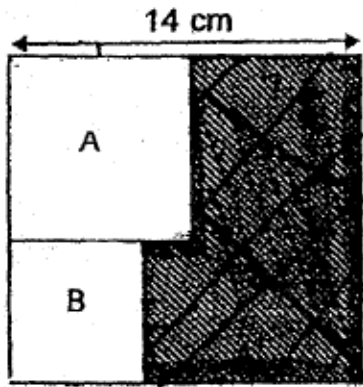
Level 3

1. In the figure below, 2 similar triangles were cut out from a square piece of paper of area 100 cm^2.

   Find the shaded area of the piece of paper left.   (HGS/17/41)

2. The following figure is not drawn to scale. It is made up of a rectangle and 2 squares, A and B. Square A has an area of 49 cm^2 and Square B has an area of 36 cm^2. Find the perimeter of the shaded part.   (NHPS/18/45)

3. In the figure below, A, B, C are squares.

   The area of A is 4 times the area of B.

   The area of B is four times the area of C. The area of C is 4 cm².

   What is the perimeter of the figure? (MGS/18/44)