

MATHS **MENSURATION**

Mensuration

- Perimeter is the distance around a closed figure when we go around the figure once. So, perimeter = sum of lengths of allsides
- 2. Perimeter is expressed in units oflength.
- 3. Perimeter of a triangle is the sum of the lengths of all its threesides.
- 4. Perimeter of a square = (4 ×side)units
- 5. Perimeter of a rectangle = 2 (Length + Breadth)units
- 6. Figures in which all sides and angles are equal are called regular closedfigures.
- 7. Perimeter of regular shapes = number of sides ×length of oneside
- 8. The measurement of the region enclosed by a plane figure is called the area of the figure.
- 9. Area is always expressed in squareunits.
- 10. Followingconventionsareadoptedtocalculatetheareaofafigureusingasquaredpaper(with measure of each square as 1 cm ×1cm):
 - i. Ignore portions of the area that are less than half asquare.
 - ii. If more than half a square is in the region, count it as one square.
 - iii. If exactly half the square is in the region, take its area as $\frac{1}{2}$ sq units.
- 11. Area of a rectangle = (length \times breadth) squareunits
- 12. Area of a square = (side \times side) squareunits
- 13. Unit conversion:
 - 1 m = 100cm
 - 1 cm = 10 mm
 - 1 sq m = 10,000 sq cm
 - 1 sq cm = 100 sq mm
 - 1 hectare = 10,000 sq m