PERIMETER AND AREA OF PLANE FIGURES
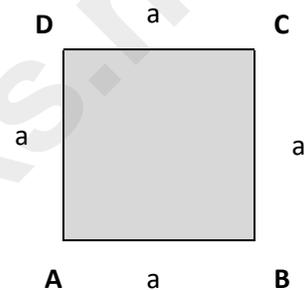
❖ **Perimeter of a plane figure is the length of its boundary.**
 The unit is same as length i.e. m, dm, cm, mm……….
❖ **Area of a plane figure is the measure of the size of the surface enclosed by its boundary.**
 The unit is square of the length i.e. $m^2, dm^2, cm^2, mm^2 \dots\dots$

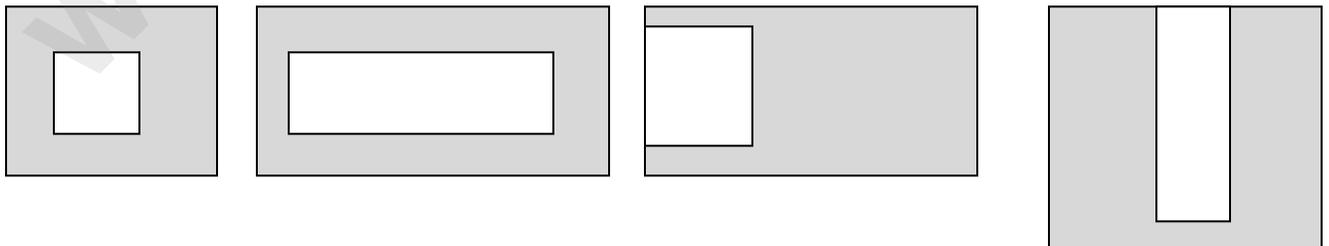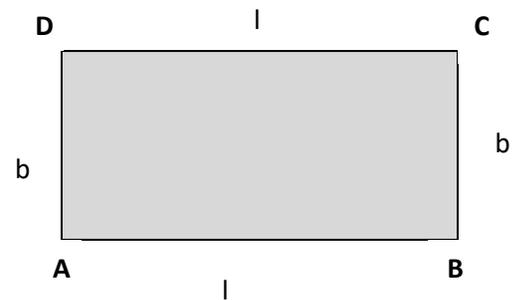## Perimeter Area of four sided polygon - SQUARE and RECTANGLE

SQUARE:

➢ **A square is a four sided closed figure with all sides equal and each angle 90^0**
➢ $Perimeter = AB + BC + CD + DA$
  $= a + a + a + a = 4a$
➢ $Area = length \times breadth = a \times a = a^2$

RECTANGLE:

➢ **A rectangle is a four sided closed figure of which the opposite sides are equal and each angle 90^0**
➢ $Perimeter = AB + BC + CD + DA$
  $= l + b + l + b = 2(l + b)$
➢ $Area = length \times breadth = l \times b$

Area of unshaded portions in the above figure
= (Area of bigger square / rectangle) – (Area of smaller square/rectangle)