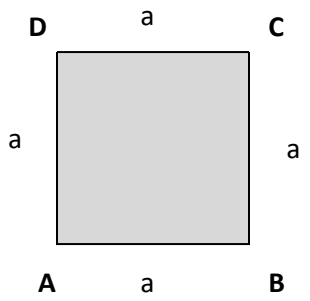
PERIMETER AND AREA OF PLANE FIGURES

- **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 … …

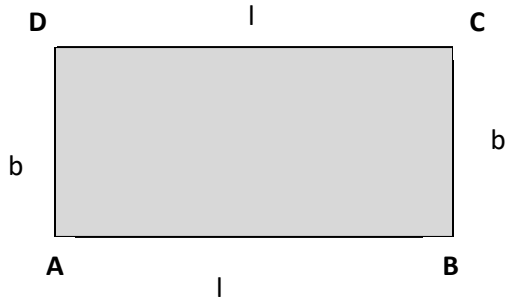
Perimeter Area of four sided polygon - SQUARE and RECTANGLE

SQUARE:

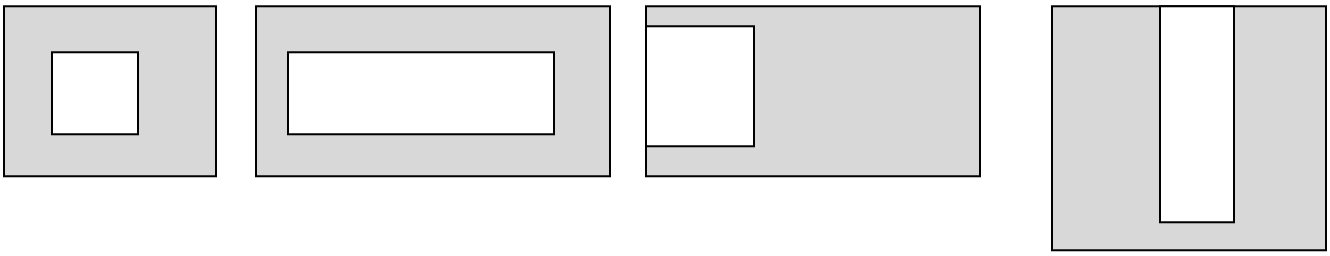


- **A square is a four sided closed figure with all sides equal and each angle 90^0**
- $Perimeter = AB + BC + CD + DA$
  $= a + a + a + a = 4a$
- $Area = length \times breadth = a \times a = a^2$

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)