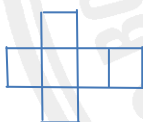# Chapter 15

Visualising Solid Shapes.

NOTES

Objects having some length , breadth and height or depth are said to have three dimensions. For example a cube.

Objects having some length and breadth are said to have two dimensions .

For example : face of a book.

The eight corners of the cube are its vertices . The 12 line segments that form the skeleton of the cube are its edges . The 6 flat square surfaces that are the skin of the cube are its faces .
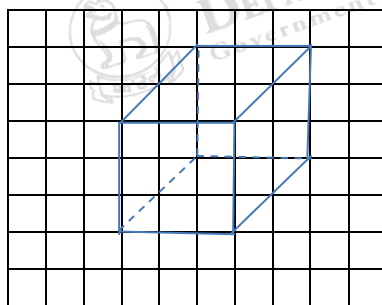
NETS FOR BUILDING 3-D shapes : A net is sort of skeleton outline in two dimension which when folded result in a three dimensional shapes .
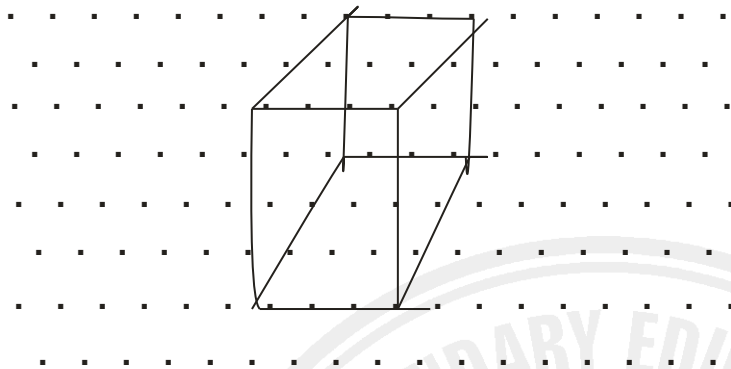

is the net of a cube . When we fold we can make a cube.

DRAWING OF SOLIDS ON FLAT SURFACE :

(i)   Oblique sketches :

(ii)   Isometric sketches :

*** CROSS SECTION : When a body is cut vertically or horizontally , the face we get is called the cross section.