

Isometric Projection

It is a type of pictorial projection of an object in which all the three dimensions of an object are shown in a single view.

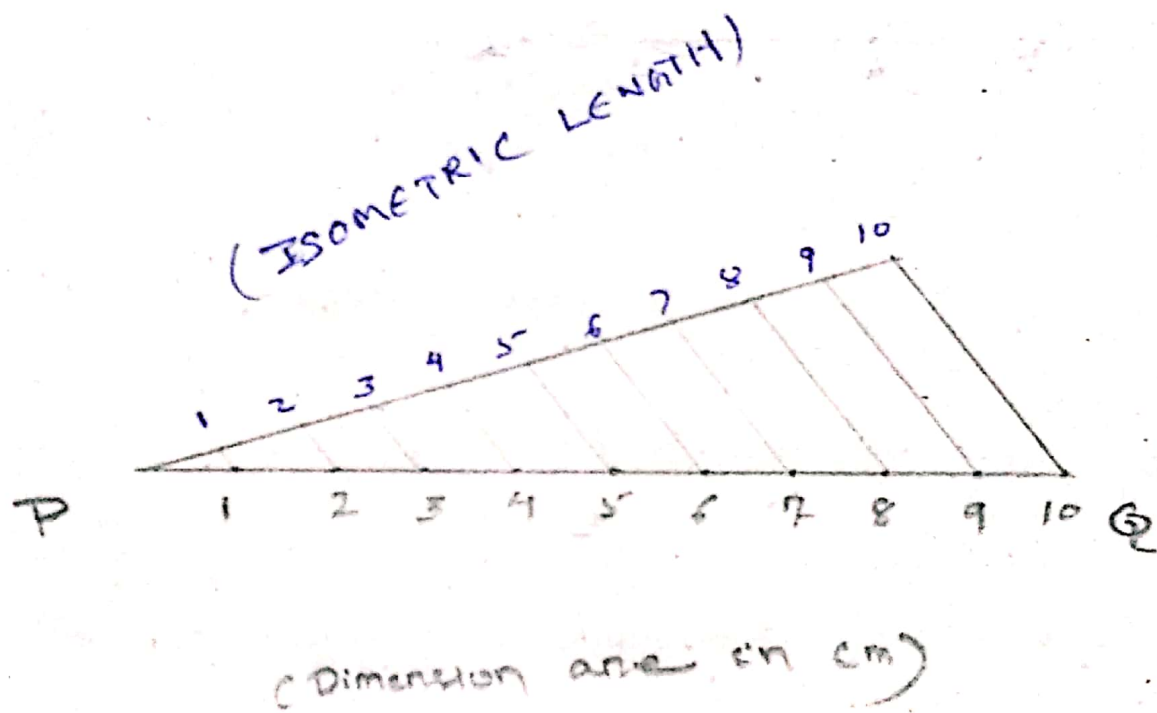
Isometric view
vs

Isometric Projection

In isometric view actual or true length is used where as in isometric projection the isometric length.

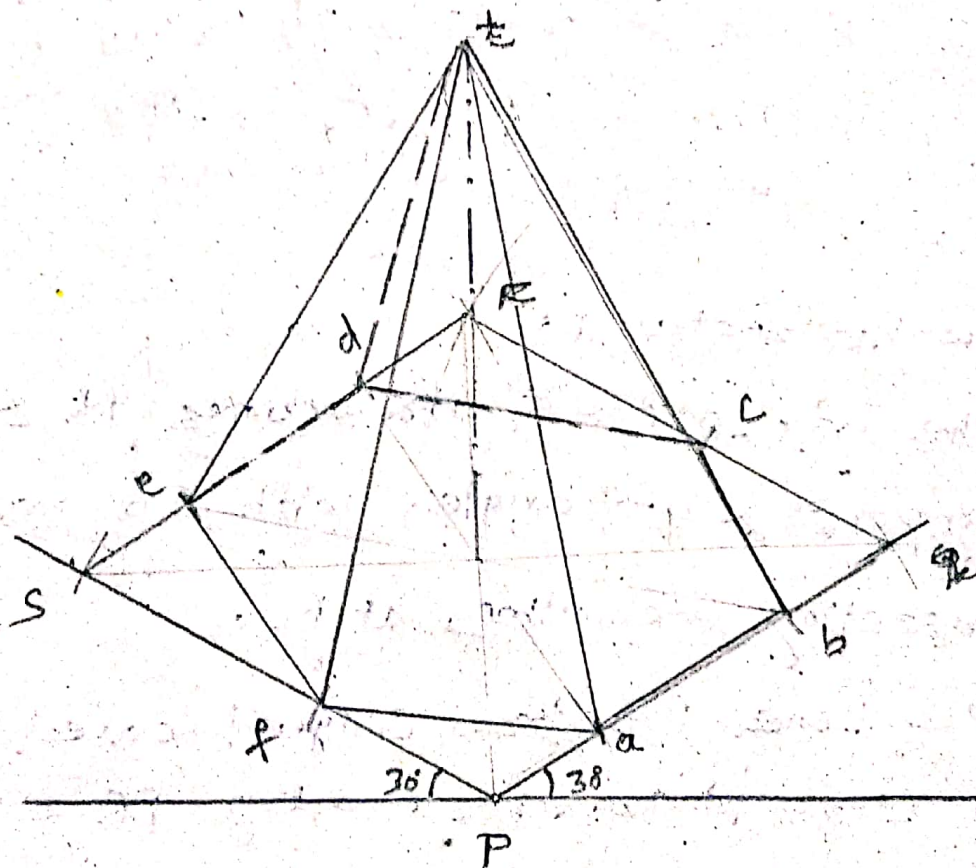
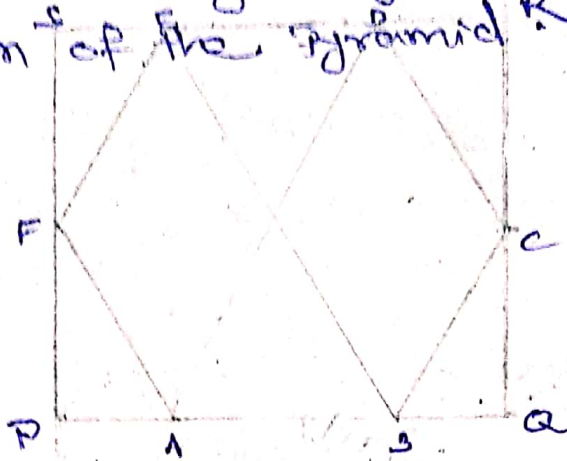
Isometric length is measured by use of isometric scale.

Isometric Scale :-



- Draw horizontal PQ.
- At the ends of P & Q draw lines PR & QR making 15° & 45° angles with PQ respectively & intersecting each other at R.
- On the Line PQ draw Original Scale.
- Draw lines \perp to PQ meeting PR at respective points. The division along PR gives dimension in Isometric Scale.

Q A hexagonal pyramid of 25 mm side and 55 mm height is resting on ground. Draw the isometric projection of the pyramid.



Q Draw the isometric view of a cylinder with its axis vertical.

