Chapter 14

Pictorial Drawing 2

In chapter 8 we were introduced to two types of pictorial drawing, namely oblique drawing and isometric drawing. In this chapter we shall consider:

- Further Isometric Drawing.
- Isometric projection using the Isometric Scale.
- Axonometric Projection.

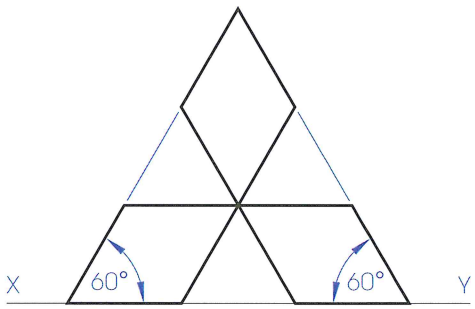
Lines of Given Slope in Isometric Drawing

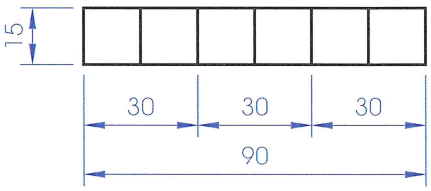
In isometric drawing distances must be measured along, or parallel to, the principal axes.
An inclined line can be located in isometric by determining its distances along, or parallel to, two of the isometric axes.

Example

The elevation and plan of a **Mitsubishi logo**, which is based on an equilateral triangle, are shown across.

Construct an **isometric drawing** of the logo.





1. Draw the isometric axes and mark off the length and depth of the object.
2. Draw the elevation of the equilateral triangle to determine the overall height of the logo, as shown below, left.
3. Complete the box into which the logo fits by transferring this height as indicated below, middle.
4. Complete the drawing as shown below, right. Recall from chapter 8 that parallel lines on an object appear parallel in an isometric view.