

# "Rule"

000159

To find the true size of the angle  
a line makes with a plane

---

① The angle a line makes with a plane is the angle between the line & its projection on the plane. This angle lies in a projecting plane containing the line and perpendicular to the given plane. In order to show this

true size, the edge view of the plane and the true length of the line must be seen in the same view.

First, a view should be drawn showing the plane in its true size & also showing the line.

Any view related to this one shows the plane as an edge. A view is then drawn from the view showing the full size of the plane, to show the true length of the line. The desired angle between the line and the plane is seen in this view. (see over)