The **Inset** tool is designed to reduce an existing face into a smaller face within the original area. In performing this operation, we end up with an additional set of new faces around the inset face.

The Inset Tool



Before we look at If we perform the Inset operation on the top face of an elongated Cube where the scale has yet to been applied, the Inset operation we end up with the new faces not being of equal width. in more detail, it's worth pointing out that this is an Scale Applied Scale not Applied operation where, if a modified mesh that has not had the **Apply Scale** command executed, we'll run into problems. Faces different Faces same width width After selecting the ...A yellow circle will appear on the The circle will turn white when the mouse pointer is near or Inset tool in the currently selected face(s). This is the Inset within the circle. Now, if we drag the mouse pointer inward towards the centre of the circle, the selected face will be inset. Toolbar... gizmo. ••• ۲





The **Thickness** value normally sets the length of the edges in the new faces.



The **Outset** option places the new faces that are created by the inset operation outwith the space of the originally selected faces, rather than within their initial space. The effect is shown below on faces in a Grid.

The **Depth** value determines the displacement of the selected face(s) from their original position. Negative values specify a downward displacement.



When we activate the **Outset** option on a three dimensional shape, the new faces may move to a different plane from the inset face(s) as we can see below when its used when insetting the top face of a Cube.



