# Isometric projection

Isometric projection is a drawing technique which looks fairly realistic and is commonly used to represent 3D objects. The main advantage is that you can draw a 3D object to scale. Remember to only draw at 30^0 or 90^0 and you wont go wrong!

You will now learn how to draw a '3D cube' to scale in isometric view. You will need isometric paper or a 60^0 set square!
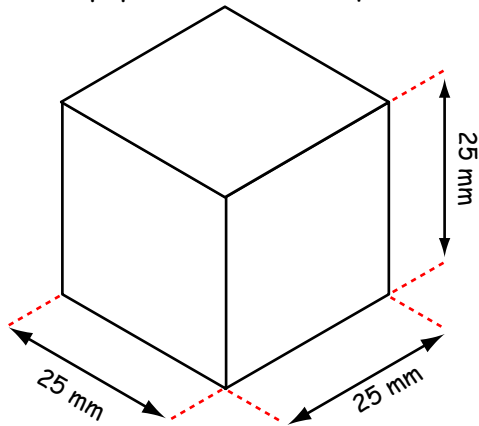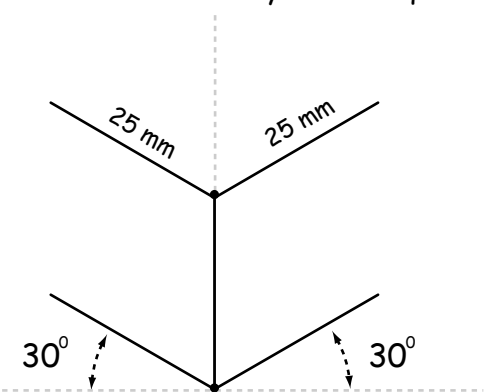
25 mm

25 mm

25 mm

Now draw a light baseline at 90^0 then draw a light height line also at 90^0 and 50mm high. Now draw a heavy line over the light line at 25mm and at 90^0.
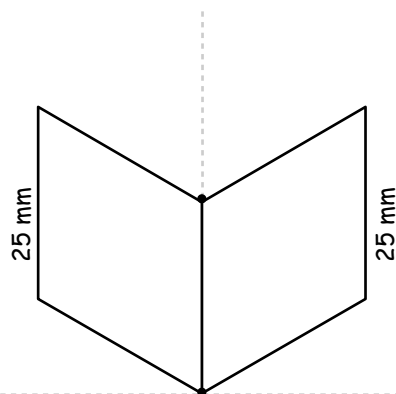
Guideline 50mm

Heavy line drawn over the guideline at 25 mm

90^0
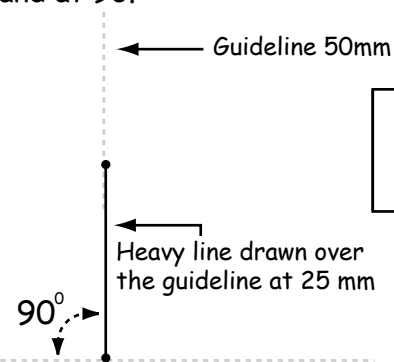
Step 1

From the two ends of your centre line draw four parallel lines at 25mm out at 30^0. Note: Use the 30^0 line on your set square!
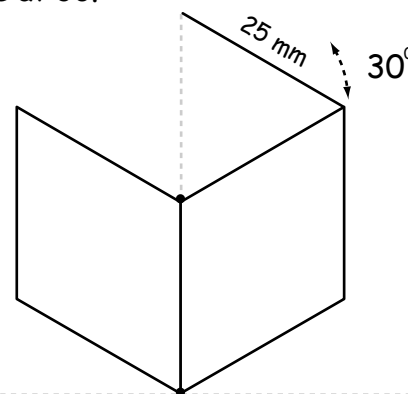
25 mm   25 mm

30^0 30^0

Step 2

Now add the two sides of your cube at 90^0 and at 25mm high like below.

25 mm   25 mm

Step 3

From the top right hand corner draw a heavy line to the top of your 50mm light guideline at 30^0.

25 mm 30^0

Step 4

Now join your final line at 30^0 to close your cube. You have now finished, well done!

Step 5