

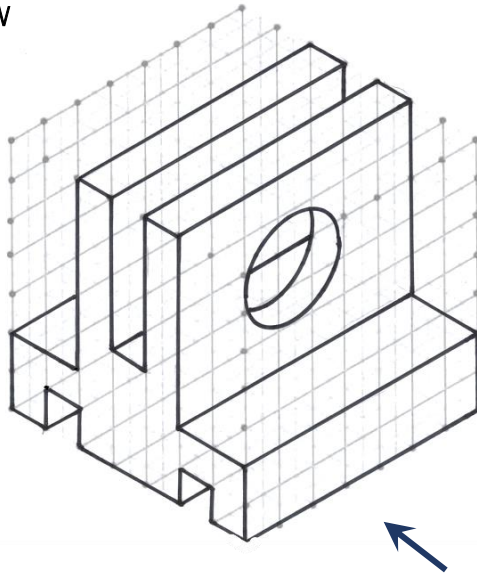


Set 41: Orthogonal Sketching - Level 1

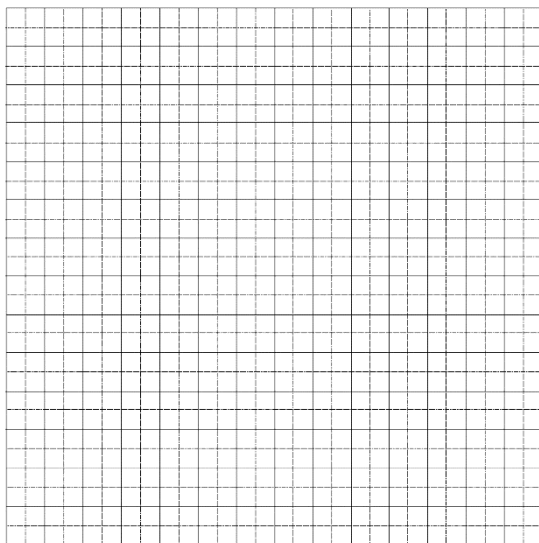
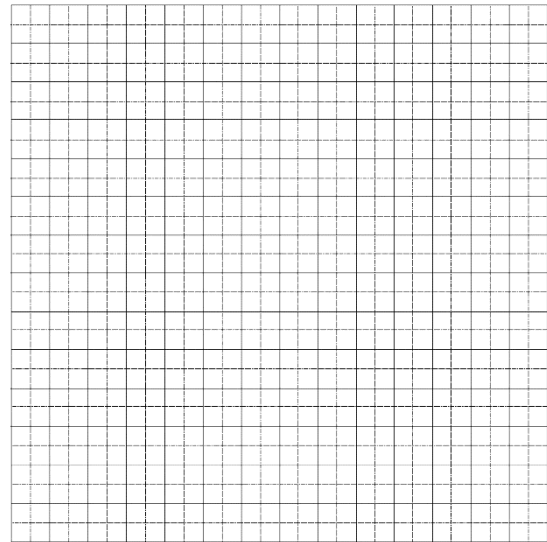
# Orthogonal Views of Bracket

Q1 Using orthogonal projection, sketch a top, front and side view of the bracket. Take sizes from the scaled isometric.

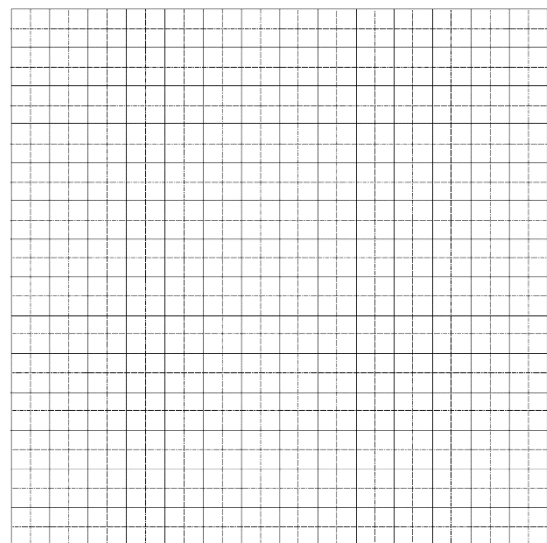
ISOMETRIC VIEW



TOP VIEW



SIDE VIEW



FRONT VIEW

Q2 The bracket is made from a cut section of extruded Aluminium 'section'. Describe the extrusion process for Aluminium section and make a sketch of the chamber, die and ram.

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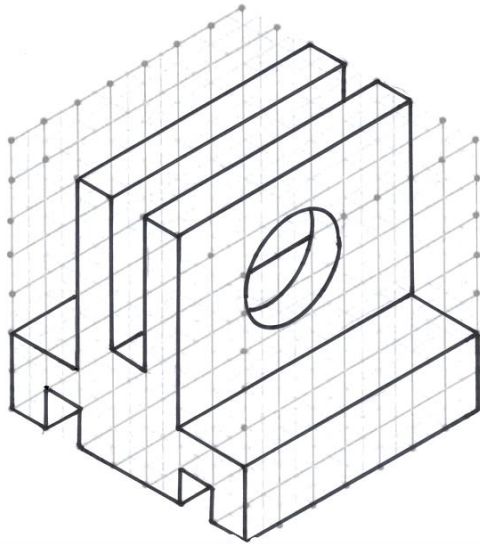


Set 41: Orthogonal Sketching - Level 1

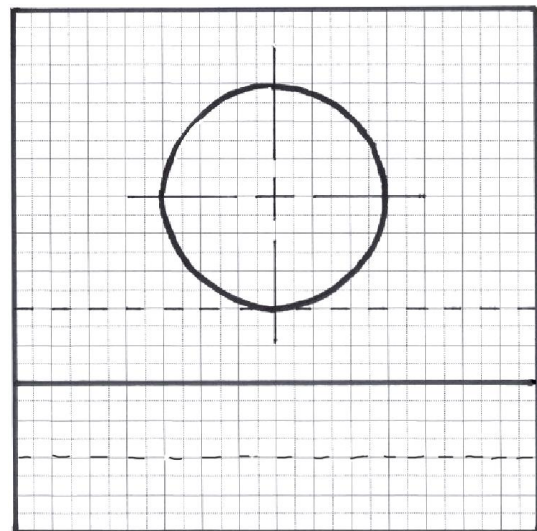
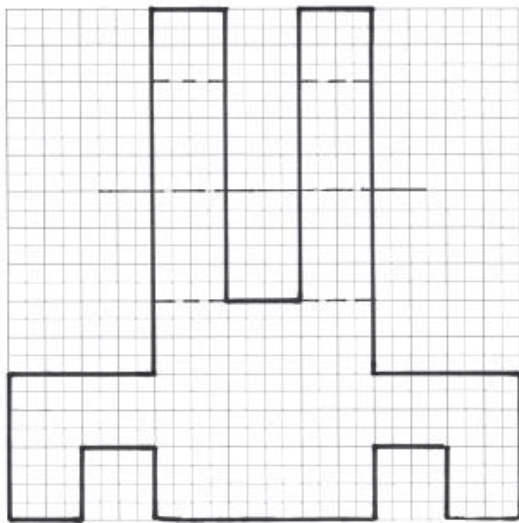
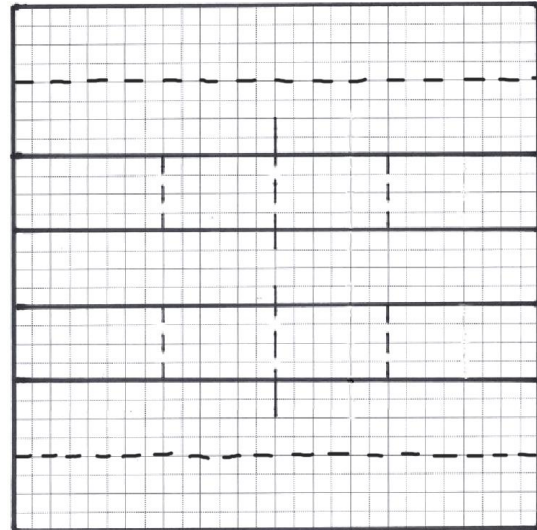
# Orthogonal Views of Bracket

Q1 Using orthogonal projection, sketch a top, front and side view of the bracket. Take sizes from the scaled isometric.

ISOMETRIC VIEW



TOP VIEW



SIDE VIEW

FRONT VIEW

Q2 The bracket is made from a cut section of extruded Aluminium 'section'. Describe the extrusion process for Aluminium section and make a sketch of the chamber, die and ram.

The extrusion process is pushing heated (not molten /not liquid) Aluminium bar into a chamber that has a 'die' at the exit end. The Aluminium is formed into the shape (called the 'profile', or the 'section') of the die.

