Draw a Front-View Orthographic Projection

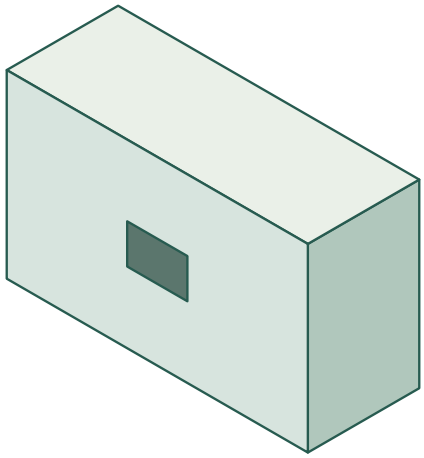
Student | Task 1 of 4 | LETTER

Original prompt

Task 1 — Plain block with a rectangular slot on the front face. The slot is cut into the front face and does not pass through, and it is centred horizontally on the block. Construct the front view.

Given object

The slot has straight walls and a flat blind bottom. Its width is centered across the face.



One object, shown from an angle

Draw and label the front view

Draw a Front-View Orthographic Projection

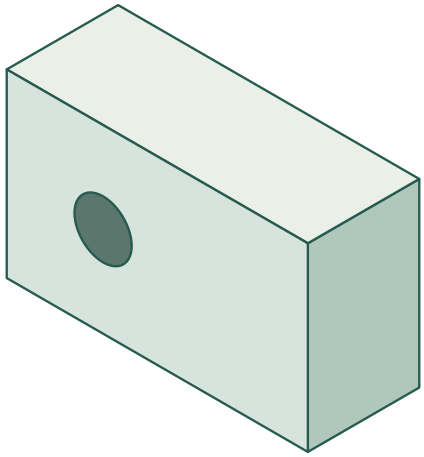
Student | Task 2 of 4 | LETTER

Original prompt

Task 2 — Rectangular block with a through-hole offset to the left. The block has a plain rectangular outline; its round front-to-back bore has equal near and far rims aligned on the same axis, with the centre left of the block's vertical midline. Construct the front view, choose the line types warranted by their projection, and add a vertical chain centreline through the bore centre.

Given object

The circular bore has constant diameter along the front-to-back axis. The rim at the back lies directly behind the rim at the front.



One object, shown from an angle

Draw and label the front view

Draw a Front-View Orthographic Projection

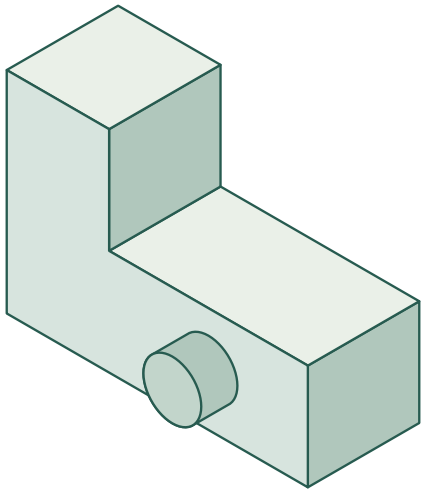
Student | Task 3 of 4 | LETTER

Original prompt

Task 3 — L-shaped bracket seen from the front, with a boss (raised cylinder) on the front face. The L opens to the upper right; the boss is centred on the lower arm. Construct the front view.

Given object

The upper-right cutout gives the L. The cylinder projects out from the front of the lower arm. Show its near circular face.



One object, shown from an angle

Draw and label the front view

Draw a Front-View Orthographic Projection

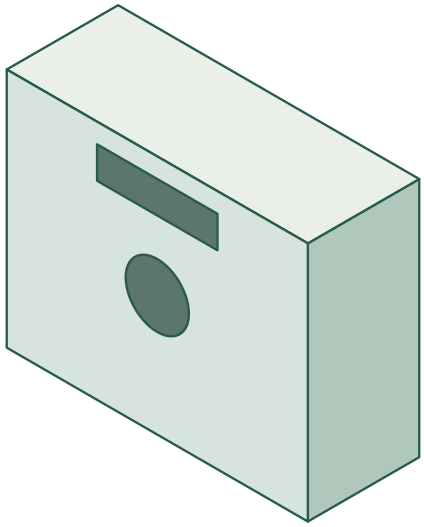
Student | Task 4 of 4 | LETTER

Original prompt

Task 4 — Rectangular block with a through-slot (a slot that passes fully through) and a centred through-hole. The slot is centred horizontally and the hole is centred on the block. Construct the front view with correct line types and a centre line for the hole.

Given object

Place the through-slot above the hole with a clear gap. Both openings share the vertical center line, and both run straight front-to-back.



One object, shown from an angle

Draw and label the front view