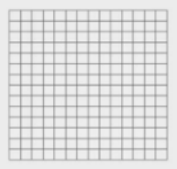
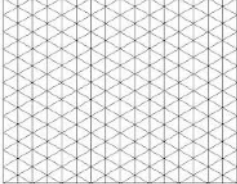
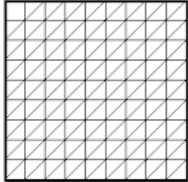


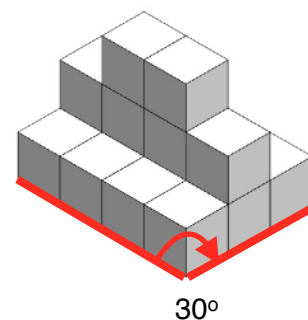
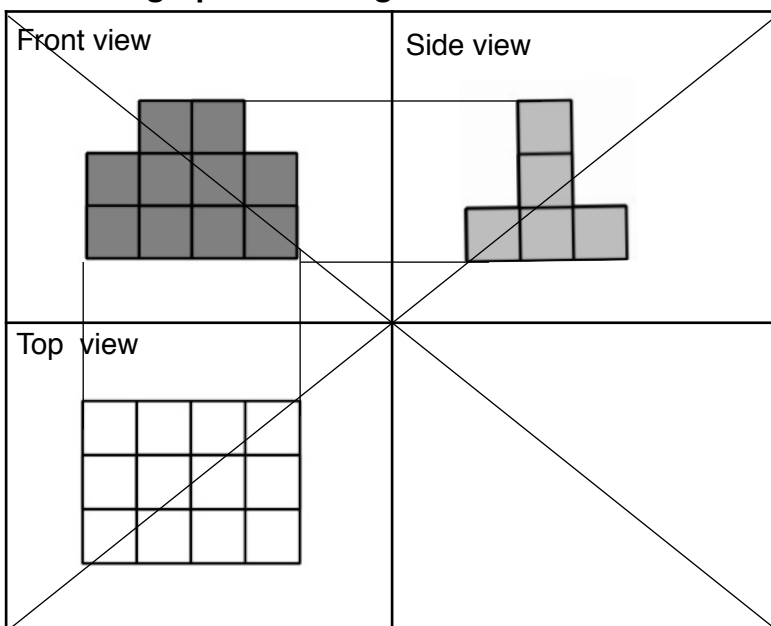
# Technological Drawings

Orthographic drawings	Isometric Drawings	Oblique Drawings
2 dimensional using 3 views	3 dimensional	3 dimensional
Shows detailed top, front and side views	Shows how all three views fit together	Shows how all three views fit together
Views should be drawn in a grid: Front view top left, Side view top right, top view bottom left	All horizontal lines are angled at 30°	All horizontal lines are angled at 45°
Space views out equally	All vertical lines stay vertical	All vertical lines stay vertical
A mitre line is used to project views from top view to side view without measuring, drawn at 45°	Hidden lines and dimensioning are not shown	Hidden lines and dimensioning are not shown
	Dimensions on drawings are correct - distant object don't appear smaller	A type of parallel projection, not in perspective and do not correspond with any views of the object
		

## Orthographic Drawings and Isometric Drawings

**Orthographic drawing:**

**Isometric drawing:**



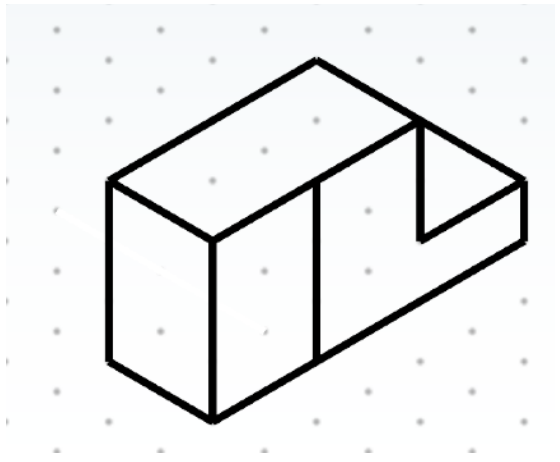
# Technological Drawings

Practice drawing the following shapes on the isometric grid provided on the next page:

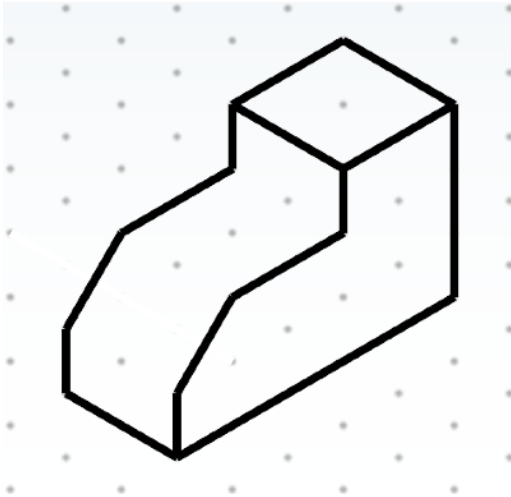
1.



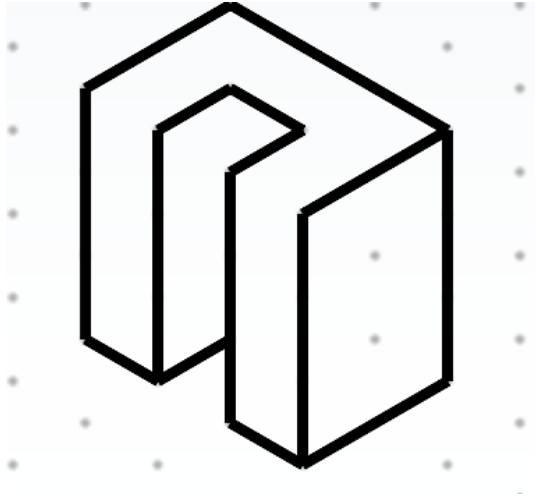
2.



3.



4.



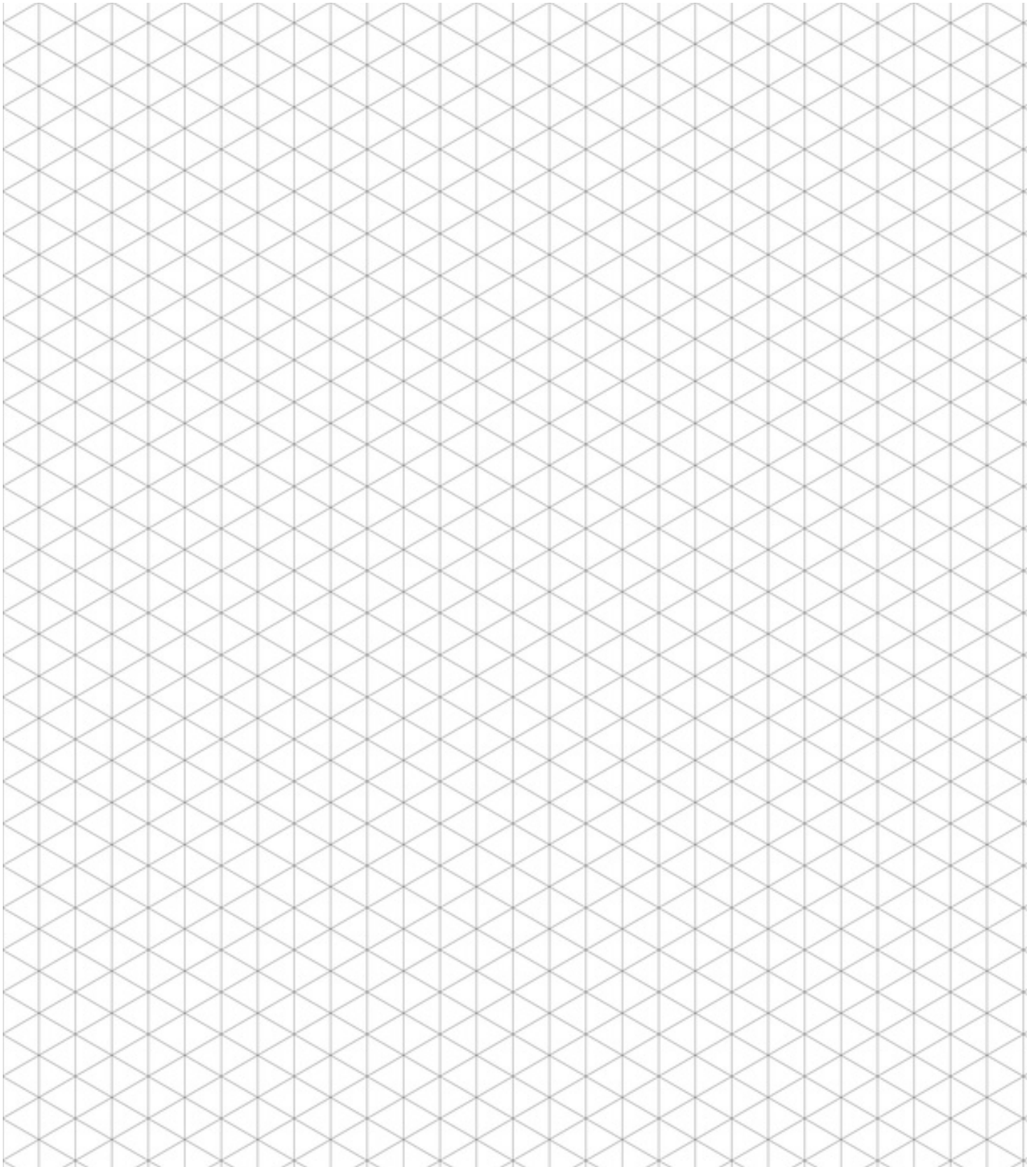
5.



6.

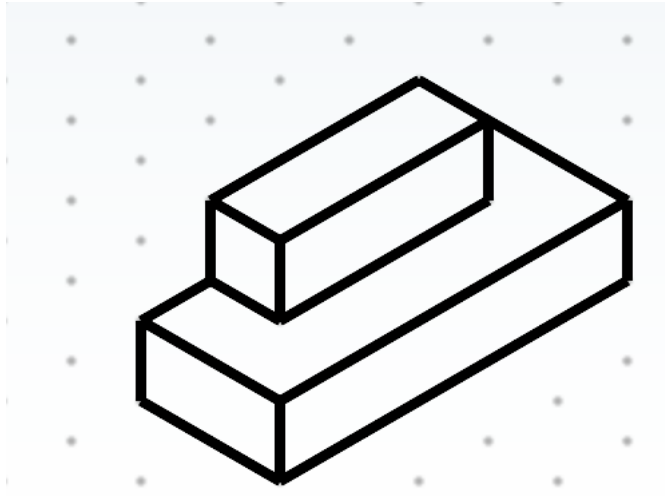


# Technological Drawings



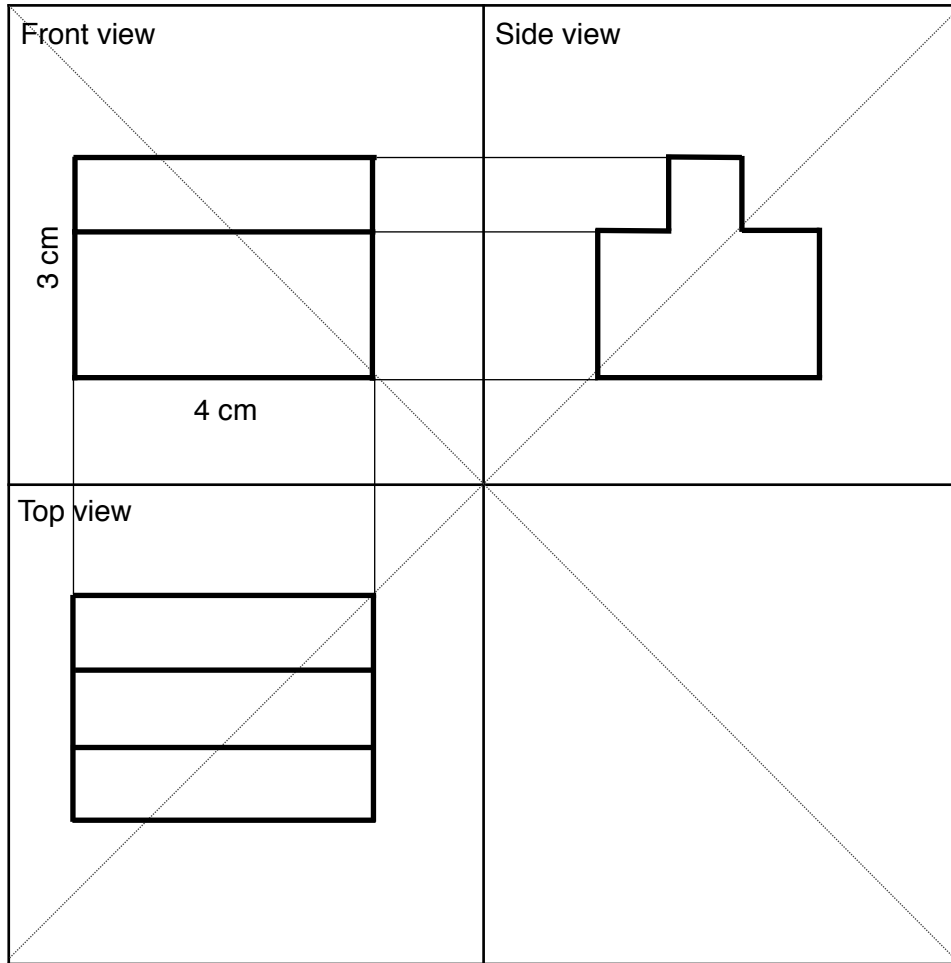
# Technological Drawings

Draw the orthographic sketch of the following isometric drawing:

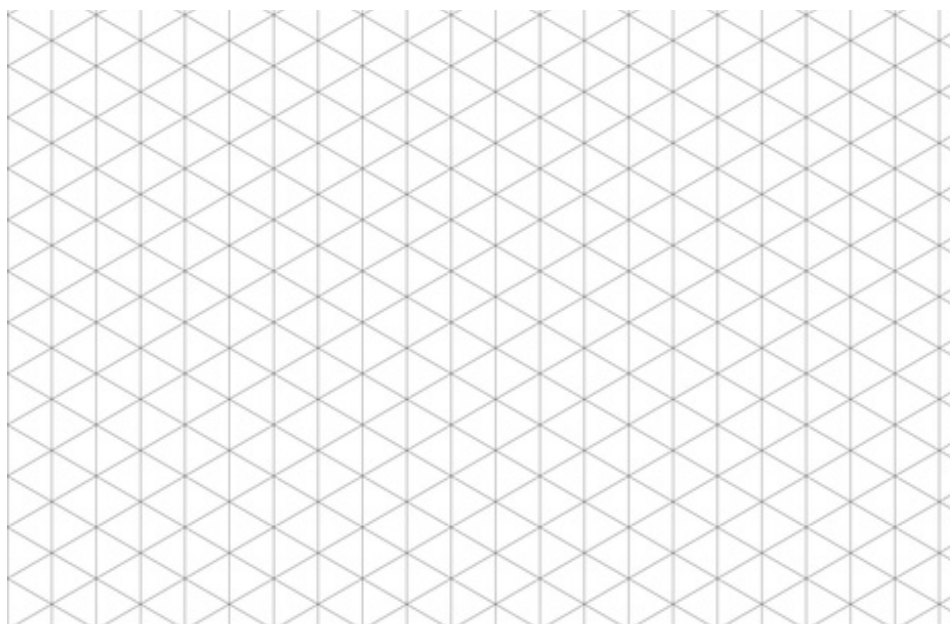



# Technological Drawings

Draw the isometric sketch of the following orthographic drawing:



Each block on the grid is 1cm x 1 cm

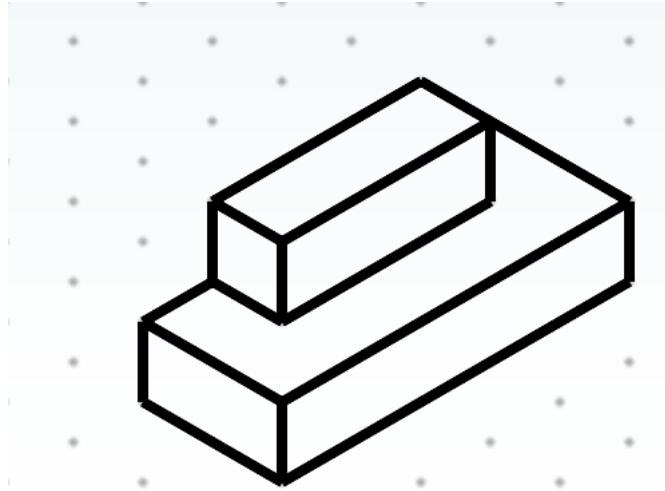


**MEMO:**

Practice drawing the following shapes on the isometric grid provided on the next page:  
*Check that sketches are copied correctly to isometric grid.*

Draw the orthographic sketch of the following isometric drawing:

*Not drawn to scale*

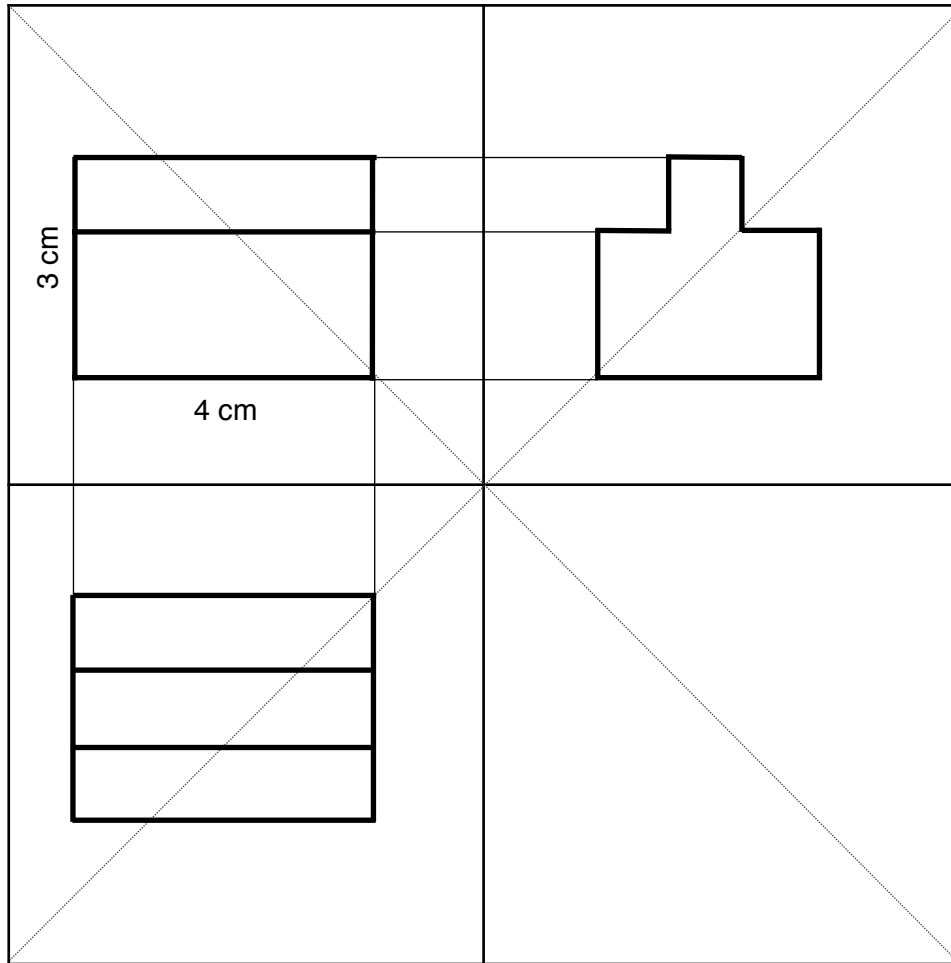


Front view	Side view
Top view	

The diagram shows a 4x4 grid with a diagonal line from the top-left to the bottom-right. The top-left quadrant is divided into 'Front view' and 'Side view' sections. The bottom-left quadrant is divided into 'Top view' and an empty section. The 'Front view' shows a stepped shape with a base of 3 units and a height of 2 units. The 'Side view' shows a stepped shape with a base of 3 units and a height of 2 units. The 'Top view' shows a stepped shape with a base of 3 units and a depth of 2 units.

**MEMO:**

**Draw the isometric sketch of the following orthographic drawing:**



Each block on the grid is 1cm x 1 cm

