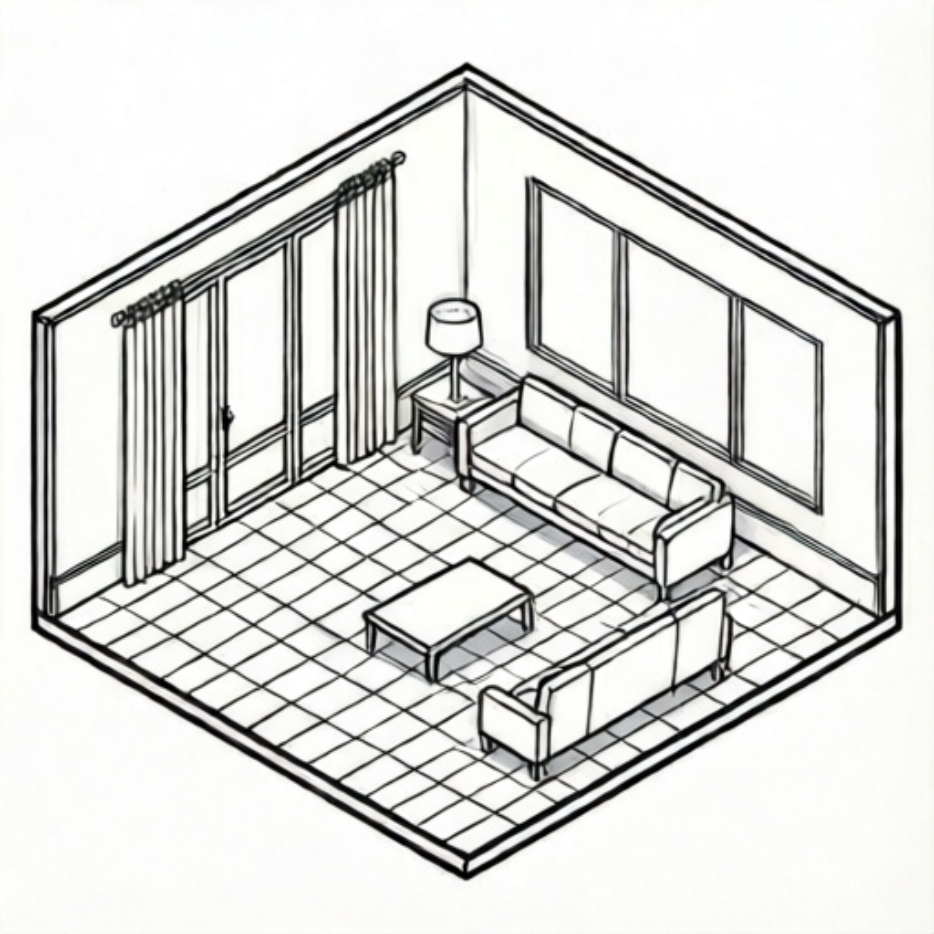
Isometric Room Drawing: Grid, Walls, and Furniture Placement

Ordinary topic reference / separately checked pixels



Isometric Room Drawing: Grid, Walls, and Furniture Placement

Original worked example / unchanged complete key

Prompt: On a grid with a hypothetical step of 10 mm, draw a room 6 steps wide, 5 steps deep, and 4 steps high. Place a table with a 2-step by 1-step footprint and a 1-step height, starting 1 step from the near corner along the width axis and 1 step along the depth axis. State a convention and record step counts.

Answer: Near corner marked. Up-right axis 6 steps, up-left axis 5 steps, vertical axis 4 steps. Floor grid completed. Left wall base on the up-left axis, height 4 steps; right wall base on the up-right axis, height 4 steps. Table footprint corners at width steps 1 and 3, depth steps 1 and 2; vertical edges 1 step; top edges connected. Convention: visible edges solid, hidden edges dashed, floor grid light. Recorded counts: room 6 by 5 by 4 steps; table footprint 2 by 1 steps at offset 1,1; height 1 step.