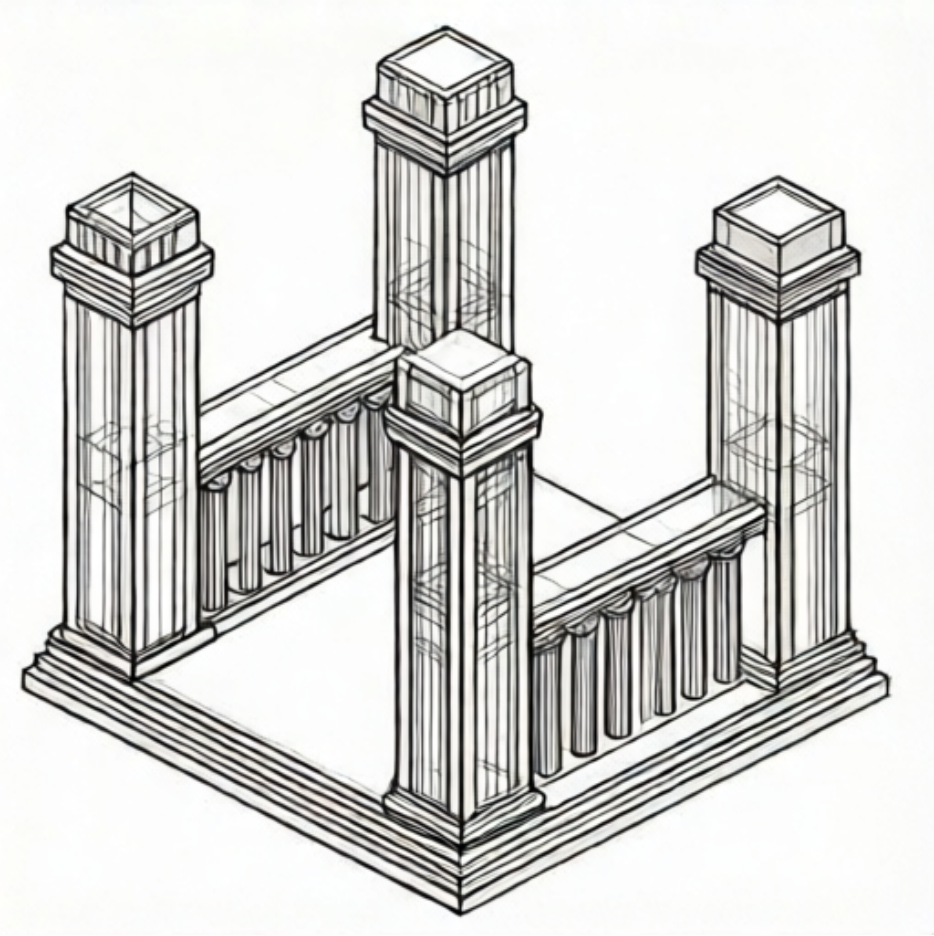
Isometric Monument Drawing: Axes, Blocks, and Annotated Forms

Ordinary topic reference / separately checked pixels



Isometric Monument Drawing: Axes, Blocks, and Annotated Forms

Original worked example / unchanged complete key

Prompt: Construct a monument with a base 4W by 3D by 1H, a middle block 2W by 2D by 3H centered on the base, and a cap 1W by 1D by 1H centered on the middle block. Annotate axes and state a shading rule.

Answer: Draw H vertical, W right at 30 degrees, D left at 30 degrees. Base top face: 4 steps along W, 3 along D. Drop 1H lines and connect. Middle block: center it per axis—count 1 step from each W side (4−2=2, half=1) and 0.5 step from each D side (3−2=1, half=0.5); draw its 2W by 2D top face, then drop 3H lines. Cap: center on the middle block by counting 0.5 step from each W side and 0.5 step from each D side (2−1=1, half=0.5); draw its 1W by 1D top face, then drop 1H lines. Shade left-facing faces. Annotate counts: base 4-3-1, middle 2-2-3, cap 1-1-1. Total height is 1+3+1=5 units. Check: the middle block's top face sits 1 unit above the base top, and the cap's top face sits 3 units above the middle block's top, so the cap top is 1+3+1=5 units above the base bottom.