Isometric Stacked Blocks: A Grid-Based Drawing Guide

Original task 1 / independent drawing and calculation

Task 1

On a ground grid with a hypothetical unit of 15 mm, draw one block. State your convention and list the three visible faces.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

Draw two blocks stacked vertically and aligned, using a hypothetical unit of 10 mm. Identify the shared vertical edges and state whether you draw hidden edges.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

Draw two blocks where the upper block sits on the lower block's top face, offset one grid step along the right ground axis from the lower block, using a hypothetical unit of 12 mm. Count the steps before drawing.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

Draw a scene with three blocks: two aligned vertically and a third placed one grid step along the left ground axis away from the viewer from the bottom block, using a hypothetical unit of 8 mm. Count visible top faces and explain your count.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.