Drawing Isometric Cliffs with Layered Faces

Original task 1 / independent drawing and calculation

Task 1

Draw a cliff with a base rhombus 2 units along depth-left and 2 units along depth-right. Add two bands: band 1 height 1 unit, band 2 height 2 units offset 1 unit forward along depth-right. State the total height and the height of the exposed depth-right face.

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

A cliff has four bands with heights 1, 1, 2, and 1 units. Band 3 offsets 1 unit backward along depth-left. What is the total height, and which side loses visible vertical face?

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 a cliff with three bands of equal height 1 unit and no offsets. The base is 3 units along depth-left and 1 unit along depth-right. Describe the visible vertical faces and confirm the total height.

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

A cliff plan uses bands of heights 2, 1, and 2 units. Band 1 offsets 1 unit forward along depth-left; band 2 offsets 1 unit backward along depth-right. What is the total height, and what is the net offset along depth-left after band 1?

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.