Draw Overlapping Dragon Scale Rows: A Step-by-Step Guide

Original task 1 / independent drawing and calculation

Task 1

Draw two rows of scales with width 12 mm and height 9 mm. Offset the second row by 6 mm. Describe where the overlap shadow goes.

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 learner draws three rows but all scales line up vertically. State the fix and the new offset for a 14 mm scale width.

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 one row of five scales, width 8 mm, height 6 mm. Then draw a second row of four scales offset by 4 mm. Count visible overlaps.

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 scale row looks muddy because shading covers the whole scale. Give a correction using a narrow edge band. Use a hypothetical scale width of 10 mm and height of 8 mm, and state a band width for that scale.

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.