How to Draw Fish-Scale Texture on a Face

Original task 1 / independent drawing and calculation

Task 1

A face plate is 12 cm tall. You choose a scale width of 8 mm. Draw one row of five scales across the forehead. State the overlap between adjacent scales and the total row width if scales touch edge to edge before overlap.

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

On a 2 cm by 2 cm test square, draw 6 scales using 10 mm-wide scales with one-third overlap. Is this within the lesson’s hypothetical target of 1.5–2 scales per square centimeter for 10–12.5 mm scales? Show the arithmetic.

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

You are drawing row two below row one. Row one has scales 10 mm wide starting at the left edge. Row two must be offset by half a scale width. Use a vertical overlap of one-third of the scale width. Describe where the first scale of row two starts and the overlap at each row.

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

Near the jaw edge, you taper the last two scales of a row from 10 mm to 7 mm width. The row has eight scales total. What is the row width before overlap if the first six scales are 10 mm and the last two are 7 mm?

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.