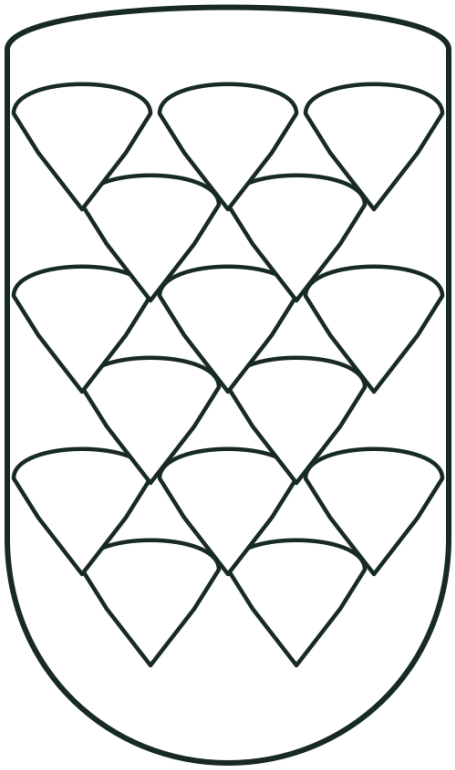
Mermaid Scale Nail Art: Row-by-Row Practice for Pointed Scales

Ordinary topic reference / separately checked pixels



Mermaid Scale Nail Art: Row-by-Row Practice for Pointed Scales

Original worked example / unchanged complete key

Prompt: A template is 18 mm long and 10 mm wide. Scale width is 3 mm, height 4 mm, row spacing 2.5 mm. How many full rows fit from baseline to tip, and how many scales fit across the widest row?

Answer: Treat the stated 18 mm as the usable baseline-to-tip span. With scale height 4 mm and row-start spacing 2.5 mm, n full rows require 4 + (n - 1) x 2.5 <= 18. Six rows fit: their starts are 0, 2.5, 5, 7.5, 10, and 12.5 mm, and the last point is at 16.5 mm. A seventh row would end at 19 mm, outside the 18 mm span. Across the 10 mm row, use the stated 3 mm scale width and the lesson's 0.5 mm inter-scale gap: 3 x 3 + 2 x 0.5 = 10 mm. Thus 3 full scales fit exactly with no remaining edge space. The quotient 10/3 is about 3.3, not exactly 3.3, and alone does not account for the gaps.