Draw Overlapping Fish Scale Rows on a Curved Body Panel

Original tasks 1, 2 / independent work

Task 1

A straight practice strip is 96 mm long. Scales are 12 mm wide with a 4 mm overlap, giving an 8 mm visible step. Estimate the number of scales in one row and state one check you would use after drawing.

Task 2

A curved panel is 80 mm tall. Row paths are spaced 10 mm apart. Estimate the number of rows and explain how to check that the row paths follow the curve.

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Original tasks 3, 4 / independent work

Task 3

You draw a row of 10 scales. Each scale is 12 mm wide and should overlap its neighbour by about 4 mm. You measure hidden portions of 3 mm, 5 mm, and 4 mm on three scales. Are these acceptable, and what would you adjust?

Task 4

A panel curves to the left. You notice that the second row path is 8 mm from the baseline at the left and 14 mm at the right. What is the likely problem and how do you fix it before drawing scales?