Draw Tarpon Scale Pattern: Overlapping Shapes Step by Step

Original tasks 1, 2 / independent work

Task 1

A practice panel is 14 cm wide. Scale centers are spaced 3.5 cm apart. How many scales fit in one row if the first center is 1.75 cm from the left edge?

Task 2

Two rows use 3 cm vertical spacing and 1 cm overlap depth. The first row top edge is at 2 cm from the panel top. Where is the second row top edge, and how much of the first row scale bottom is covered?

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Original tasks 3, 4 / independent work

Task 3

A scale guide box is 3 cm wide by 4 cm tall. You want a row of five scales with 0.5 cm gaps between guide boxes. What total row width do the five guide boxes and four gaps require?

Task 4

A panel has three rows with six scales per row. You decide to increase horizontal spacing so only five scales fit per row, but keep three rows. What is the new total scale count, and how many fewer scales is that than the original plan?