Draw Tarpon Scale Pattern: Overlapping Shapes Step by Step

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

On a 21 cm wide by 12 cm tall panel, plan three staggered rows of scales using a 3 cm wide by 4 cm tall scale, 3.5 cm horizontal center spacing with the first center 1.75 cm from the left edge, 3 cm vertical row spacing, and 1 cm overlap depth. How many scales fit per row, and what is the total planned scale count?

Answer: Six scales per row and eighteen scales total. Starting at 1.75 cm and adding 3.5 cm gives centers at 1.75, 5.25, 8.75, 12.25, 15.75, and 19.25 cm; the next center at 22.75 cm exceeds the 21 cm panel, so six scales fit. Three rows at 3 cm spacing fit within 12 cm. Total is 6 times 3 equals 18 scales.