Chalk Pastel Snake Scales: A Repeatable Pattern Study

Original tasks 1, 2 / independent work

Task 1

A hypothetical practice panel is 9 cm wide and 9 cm tall. You want a 3 by 3 grid. What is the width and height of each cell in centimeters?

Task 2

In a hypothetical offset grid, row 1 has scales centered in cells. Row 2 is offset by half a cell. If each cell is 4 cm wide, how far is the center of a row 2 scale from the left edge of the panel, assuming the first row 2 scale is offset from the first cell?

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Original tasks 3, 4 / independent work

Task 3

You draw 4 rows of 6 scales. Each scale uses one short stroke of mid-tone and one short stroke of dark edge. How many short strokes in total are used for mid-tone and dark edge combined?

Task 4

A scale outline is a rounded diamond about 2.5 cm wide inside a 3 cm cell. What is the total gap on both sides of the scale if the scale is centered?