How to Draw Chameleon Scales: Layered Pattern Construction

Original tasks 1, 2 / independent work

Task 1

A body area is sixteen units wide. The midline row has eight scales. Find the average spacing and the row offset if each scale is two units wide.

Task 2

A scale is three units wide and two units tall. What is the row offset, and what overlap height is one quarter of the scale height?

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Original tasks 3, 4 / independent work

Task 3

A midline row has twelve scales across twenty-four units. A later row has nine scales. Is the later row consistent with the midline spacing? Show the arithmetic.

Task 4

You measure three overlaps in a row as zero point four, zero point five, and zero point six units. The scale height is two units. Are the overlaps acceptable under the one-quarter rule? Explain.