Draw a Mermaid Scale Pattern: Pointed Rows and Pencil Shading

Original tasks 1, 2 / independent work

Task 1

Using a hypothetical scale width of 15 mm and height 20 mm, describe the placement of four scales in row one and three scales in row two, including the offset.

Task 2

A scale is 24 mm tall. State the hypothetical overlap depth if rows overlap by one third of the scale height, and explain how much of the lower scale remains visible.

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Original tasks 3, 4 / independent work

Task 3

Describe how to shade three overlapping scales when light comes from the upper left, naming where the light, medium, and dark layers go.

Task 4

A row contains scales at 10 mm, 30 mm, and 50 mm centers. State the centers of the next row if the offset is half a scale width of 20 mm, and explain the overlap if scale height is 30 mm.