Drawing Pangolin Scales: Overlap, Layer Order, and Edge Shading

Original tasks 1, 2 / independent work

Task 1

A body outline is 24 cm long from neck to tail base. You want ten scale rows evenly spaced. Calculate the spacing between row guide lines and describe where the first and last guides go.

Task 2

You draw a row of five scales. The overlap convention is front scales over rear scales. Describe the drawing order for that row and state one check that the order was followed.

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Original tasks 3, 4 / independent work

Task 3

A scale is drawn 3 cm wide and 2 cm tall. The next scale behind it should overlap by one third of its height. Calculate the overlap distance in centimetres and state how much of the rear scale remains visible.

Task 4

You plan to shade with a light direction from the upper left. For a scale whose visible edge faces the lower right, state where the thin shadow line goes and where the lightest value goes.