Draw Overlapping Mermaid Tail Scale Rows on a Curved Form

Original tasks 1, 2 / independent work

Task 1

On a tail outline 10 cm long at the centerline, you draw three rows. Hypothetical scale height is 1.2 cm and overlap is 0.4 cm. How far does the third row line start below the first row line?

Task 2

A row near the narrow end has an arc length of 6 cm. Hypothetical scale width is 1.5 cm. How many scales fit in that row if you keep scale size consistent?

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Original tasks 3, 4 / independent work

Task 3

You draw two adjacent rows. The upper scale height is 1 cm. The lower row covers 0.5 cm of the upper scale. Is the overlap within the one-third convention? Explain.

Task 4

A tail outline curves so that the arc length between two row lines is 8 cm at the centerline and 6 cm at the left edge. You plan scales 1 cm wide. How many scales should the row have at the centerline and at the left edge, and what should you do if the counts differ?