Face Scale Drawing: Overlapping Rows on a Face Pattern

Original task 1 / independent drawing and calculation

Task 1

A face outline is 10 cm wide at the cheeks and 15 cm tall from forehead to chin. You choose a scale width of 2.5 cm and a row interval of 1.5 cm. How many rows fit, and about how many scales fit across the widest row?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

You draw Row 1 with scale centers 3 cm apart. Row 2 must be offset by half a gap. What is the sideways shift for Row 2, and where does the first Row 2 scale center sit relative to the first Row 1 center?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Face Scale Drawing: Overlapping Rows on a Face Pattern

Original task 3 / independent drawing and calculation

Task 3

A scale is 2 cm tall. You want the next row to overlap the top third of the scale above. How deep is the overlap in centimeters, and what fraction of the scale remains visible?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Face Scale Drawing: Overlapping Rows on a Face Pattern

Original task 4 / independent drawing and calculation

Task 4

A face outline is 14 cm tall from forehead to chin. You use a row interval of 2 cm. After drawing 5 rows, how much vertical space remains to the chin?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.