Nesting Doll Contour Drawing: Nested Outlines in Line Only

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: A learner draws three nested contours. The largest doll is 120 mm high and 60 mm wide. The middle doll is 85 mm high and 45 mm wide. The smallest is 55 mm high and 30 mm wide. The gaps at the top are 3 mm, 2 mm, and 4 mm. Check the ratios and gaps, and state one adjustment.

Answer: Ratios: largest 120/60 = 2.0; middle 85/45 ≈ 1.89; smallest 55/30 ≈ 1.83. The ratios are close but drift slightly. Gaps: 3 mm, 2 mm, 4 mm; the 4 mm gap is the outlier. Adjustment: redraw the smallest doll's contour to bring its gap closer to 2 mm and its ratio closer to 2.0, without changing the outer silhouette.