Draw Horns with Taper and Curve Construction

Original task 1 / independent drawing and calculation

Task 1

Draw a straight horn with four intervals. Use widths of 2.0 cm, 1.5 cm, 1.0 cm, and 0.5 cm from base to tip. These are hypothetical example values. Describe your construction and final check.

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

Draw a curved horn with five intervals and an oval cross-section. Use widths of 3.0 cm, 2.2 cm, 1.6 cm, 1.0 cm, and 0.4 cm. These are hypothetical example values. Describe how you keep the oval centered and how you check taper.

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.

Draw Horns with Taper and Curve Construction

Original task 3 / independent drawing and calculation

Task 3

Draw two horns side by side: one straight and one curved. Use the same four widths: 2.5 cm, 1.8 cm, 1.1 cm, and 0.4 cm. These are hypothetical example values. Describe how you compare them and what you check.

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.

Draw Horns with Taper and Curve Construction

Original task 4 / independent drawing and calculation

Task 4

Draw a curved horn with a gradual twist. Use five intervals and circular cross-sections. Rotate each cross-section mark by 15 degrees from the previous one. Use widths of 2.8 cm, 2.1 cm, 1.5 cm, 0.9 cm, and 0.3 cm. These are hypothetical example values. Describe the construction and check.

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.