Holiday Drawings: Ornament, Tree, and Snowman Construction

Original task 1 / independent drawing and calculation

Task 1

Using U = 3 cm, construct an ornament with an oval body 1.2U tall, a cap 0.3U tall, and a loop 0.2U tall. State the total height and the cap width if cap width is one-third of body width when body width is 1U.

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

Using U = 2 cm, construct a three-tier tree with tier heights 1U, 1.2U, and 1.4U from top to bottom and trunk height 0.5U. State the total height and check that each lower tier is wider than the one above if widths are 1.5U, 2.5U, and 3.5U.

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 3 / independent drawing and calculation

Task 3

Using U = 4 cm, construct a snowman with bottom diameter 2U, middle diameter 1.5U, and head diameter 1U. State each diameter and the total stacked height if circles overlap by 0.2U at each joint.

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 4 / independent drawing and calculation

Task 4

Using U = 2.5 cm, construct an ornament with a teardrop body 1.4U tall and 0.8U wide, a cap 0.2U tall, and a loop 0.15U tall. State the total height and check that the cap width (one-third of body width) is less than body width.

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.