Holiday Drawings: Ornament, Tree, and Snowman Construction

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Using U = 2 cm, construct an ornament with a circular body 1.5U tall, a cap 0.25U tall, and a loop 0.2U tall. Describe the steps and check the total height.

Answer: Body height = 1.5 × 2 = 3 cm. Cap height = 0.25 × 2 = 0.5 cm. Loop height = 0.2 × 2 = 0.4 cm. Total height = 3 + 0.5 + 0.4 = 3.9 cm. Draw a vertical center line, mark 3.9 cm total, place the body circle centered with its widest point at 1.5 cm above the body bottom, draw the cap centered above the body, and draw the loop centered above the cap. Check that cap width is about one-third of body width and that all parts share the center line.