Complete Natural Symmetry: Drawing the Missing Half of Leaves and Flowers

Original tasks 1, 2 / independent work

Task 1

A half-flower outline has a petal tip 16 mm from the mirror axis at 25 mm along the axis, and a petal notch 9 mm from the axis at 10 mm along the axis. Transfer both points to the blank half and give the expected distances.

Task 2

A half-leaf has three points measured from the axis: 11 mm, 7 mm, and 13 mm. The corresponding positions along the axis are 5 mm, 15 mm, and 22 mm. State the three matching distances and one arithmetic check.

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Original tasks 3, 4 / independent work

Task 3

A half-flower has a vein endpoint 6 mm from the axis and another endpoint 15 mm from the axis. The vein meets the axis at a 40-degree angle on the given half. Describe how to place the matching vein on the blank half and give one distance check.

Task 4

A completed half-leaf has a point 18 mm from the axis, but its partner on the blank side measures 15 mm from the axis. The position along the axis is the same. Identify the error and state the corrected distance.