Symmetry Pattern in Nature Drawing: Mirror Axes for Leaves, Flowers, and Shells

Original tasks 1, 2 / independent work

Task 1

A half-drawn flower has its axis between two petals. On the drawn side, a petal tip is 3.0 cm from the axis and 4.0 cm from the flower base. The petal base corners are 1.0 cm and 2.0 cm from the axis. Describe the matching marks on the blank side.

Task 2

A half-drawn shell has a rim point 4.5 cm from the axis and 2.0 cm from the shell base. A spiral point is 1.8 cm from the axis and 3.0 cm from the base. State the matching blank-side positions and one alignment check.

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Original tasks 3, 4 / independent work

Task 3

A leaf half has a notch on the outer edge 2.2 cm from the axis and 5.0 cm from the base. The drawn half also has a vein ending 1.6 cm from the axis and 3.5 cm from the base. Describe the blank-side marks and explain how to check the notch.

Task 4

A flower centre is an oval on the axis. On the drawn side, the centre edge is 0.9 cm from the axis. A petal line starts at the centre edge and ends 2.4 cm from the axis at the petal tip. Describe the blank-side centre edge and petal line, and give a tolerance check.