Shamrock Outline Drawing: Three-Lobed Symmetry Practice

Original tasks 1, 2 / independent work

Task 1

A frame is 10 cm tall. Using the 40 percent center and 80 percent tip convention, find the center height and tip height above the baseline.

Task 2

Three lobe tips are meant to be evenly spaced. One adjacent angle measures 110 degrees. What should the other two adjacent angles sum to if the total is 360 degrees, and what is the ideal equal angle?

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Original tasks 3, 4 / independent work

Task 3

A lobe's widest point is 3 cm from its center line on the left and 2.5 cm on the right. Is it mirror-symmetric within a hypothetical 0.5 cm tolerance?

Task 4

In a freehand frame, center-to-tip distances are 5.0 cm, 5.2 cm, and 4.8 cm. Using a hypothetical 0.3 cm tolerance, does the set pass, and what is the range?