Half-Flower Mirror Symmetry: Complete the Right Half

Original tasks 1, 2 / independent work

Task 1

A left half has four whole petals with tip heights 6.0 cm, 4.0 cm, 2.0 cm, and 1.0 cm above the baseline, and axis-to-tip distances 1.5 cm, 2.5 cm, 3.0 cm, and 1.5 cm. State the four right tip heights and distances, then give one check method.

Task 2

A left half has five half-petals touching the axis. Their tip heights are 7.0 cm, 5.0 cm, 3.0 cm, 2.0 cm, and 0.5 cm. A student draws five right petals but places the third tip at 3.4 cm instead of 3.0 cm. What is the error and how should it be corrected?

Half-Flower Mirror Symmetry: Complete the Right Half

Original tasks 3, 4 / independent work

Task 3

A left half has three whole petals with axis-to-tip distances 2.0 cm, 4.0 cm, and 2.0 cm. A student draws the right petals at distances 2.0 cm, 4.5 cm, and 2.0 cm. Identify the mismatch and state the corrected distance.

Task 4

A second-row left half has six whole petals with tip heights 6.0 cm, 5.0 cm, 4.0 cm, 3.0 cm, 2.0 cm, and 1.0 cm. Describe a complete checking routine for the right half using count, height, and spacing, and state what tolerance you would choose if your ruler has 1 mm marks.