Wildflower Drawing: Petal Count and Stem Node Construction

Original tasks 1, 2, 3 / complete keys

Task 1

Draw a wildflower with five petals and two stem nodes. Use a center circle of 1 cm and a stem of 8 cm. Label the center and one node.

Answer: A drawing with five rounded petals, a 1 cm center, an 8 cm stem, and two nodes. Labels mark the center and one node.

Reason: Five petals require five tick marks around the center. Two nodes are placed unevenly along the 8 cm stem. Labels confirm construction understanding.

Check: Count petals (5), count nodes (2), verify labels, and check that petals overlap at the base.

Task 2

Draw a wildflower with six petals and three nodes. Make the stem curve gently to the right. Attach leaves alternately at each node.

Answer: A drawing with six petals, a gently curved stem, three nodes, and three alternating leaves. Petals overlap at the base.

Reason: Six petals are spaced evenly. The curve is drawn first as a guideline, then nodes are marked along it. Leaves follow the curve and alternate sides.

Check: Count petals (6), count nodes (3), confirm leaves alternate, and check that no leaf attaches on the inside of a sharp bend.

Task 3

Draw a wildflower with nine petals and four nodes. Use pointed petals instead of rounded ones. Label one petal and one leaf.

Answer: A drawing with nine pointed petals, four nodes, and at least two leaves. Labels mark one petal and one leaf.

Reason: Nine tick marks guide petal placement. Pointed petals are a valid alternative under the convention. Four nodes are spaced unevenly.

Check: Count petals (9), count nodes (4), verify pointed petal shape is consistent, and check labels.

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Original tasks 4 / complete keys

Task 4

Draw a wildflower with seven petals and three nodes. Make the flower center 1.5 cm and the stem 12 cm. Label the center, one petal, one node, and one leaf.

Answer: A drawing with seven petals, a 1.5 cm center, a 12 cm stem, three unevenly spaced nodes, and at least two leaves. Labels mark the center, one petal, one node, and one leaf.

Reason: The larger center requires slightly longer petals to keep proportion: petal length about twice the center diameter, so about 3 cm, with width about one-third of that. Seven tick marks guide petal placement, and three nodes are spaced unevenly along the 12 cm stem.

Check: Measure center (about 1.5 cm), measure stem (about 12 cm), count petals (7), count nodes (3), verify labels, and check that petals overlap at the base.

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Source rubric / reflection

- [ ] Petal count is clearly planned and visible.
- [ ] Petals overlap at the base consistently.
- [ ] Stem has two to four nodes with uneven spacing.
- [ ] Leaves attach at nodes and alternate sides.
- [ ] Labels identify center, petal, node, and leaf.
- [ ] Drawing is balanced and readable without shading.

Reflection: What did you check, what did you change, and what will you try next?