Draw a Simple Potted Plant: Stem, Leaf, and Pot Shapes

Original tasks 1, 2, 3 / complete keys

Task 1

Draw a potted plant with a pot top width of 8 units and bottom width of 5 units. Add four leaves, two on each side, attached to a straight stem.

Answer: A centered trapezoid pot with top 8 units and bottom 5 units, a straight stem from rim center, and four pointed-oval leaves attached two per side.

Reason: The pot satisfies the trapezoid convention because the bottom is narrower. The stem starts at rim center. Each leaf touches the stem, and the count is four.

Check: Measure top and bottom widths; confirm bottom is smaller. Count four leaves and four attachment points. Confirm no leaf floats free.

Task 2

Draw a potted plant with a curved stem and five leaves alternating sides. The lowest leaf should be about 2 units above the rim and the highest about 1 unit below the stem tip.

Answer: A pot with a rim, a curved stem from rim center, and five pointed-oval leaves attached alternately, with the lowest near 2 units above the rim and the highest near 1 unit below the tip.

Reason: The curved stem is allowed. Alternating leaves satisfy the arrangement convention. The stated heights guide placement without requiring exact measurement.

Check: Count five leaves and five attachment points. Confirm leaves alternate sides. Check that the lowest leaf is above the rim and the highest is below the stem tip.

Task 3

Draw a potted plant with six leaves all attached on the same side of the stem. State whether this follows the lesson convention and why.

Answer: The drawing has six pointed-oval leaves attached to one side of the stem. It follows the shape convention because each leaf touches the stem, but it departs from the alternating arrangement example.

Reason: The lesson defines leaf shape and attachment, while arrangement may vary. A one-sided arrangement is a valid alternative if the rubric accepts stated arrangements.

Check: Confirm six leaves touch the stem. Check that the pot is a trapezoid and the stem starts at rim center. Verify the arrangement is clearly one-sided.

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Original tasks 4 / complete keys

Task 4

Draw a potted plant and then check it: pot top 7 units, bottom 4 units, stem from rim center, five leaves attached. Identify one possible improvement.

Answer: A centered trapezoid pot with top 7 units and bottom 4 units, a stem from rim center, and five attached leaves. A possible improvement is adjusting one leaf that crosses the rim.

Reason: The arithmetic difference between top and bottom is 3 units, confirming a narrower bottom. The leaf count matches attachment points. Any leaf crossing the rim can be moved upward.

Check: Subtract bottom width from top width to confirm a positive difference. Count leaves and attachment points. Inspect for leaves crossing the rim or floating free.

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Source rubric / reflection

- [ ] Pot is a trapezoid with a horizontal top, horizontal bottom, and narrower bottom width.
- [ ] Pot includes a rim line and is centered on the page.
- [ ] Stem is a single continuous line starting at the rim center.
- [ ] Each leaf is a pointed oval attached to the stem.
- [ ] Leaves alternate sides or follow another stated arrangement without floating free.
- [ ] Drawing is clean enough to identify pot, stem, and leaves clearly.

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