Draw a Vine: Alternating Leaves and Tendrils on a Stem

Original task 1 / independent drawing and calculation

Task 1

Draw a vine with four nodes on a straight stem. Use x-height = 1 unit, node interval = 2 units, leaf length = 1.5 units, leaf width = 0.9 units. Alternate sides starting on the left. Add one tendril between nodes 2 and 3.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

A student draws five nodes with leaves on L, R, R, L, R. Identify the arrangement error and state the corrected side sequence if the first node stays L.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

Using x-height = 2 units, draw three leaves with lengths 4, 4, and 6 units. State whether the set is consistent and what change makes it consistent.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

Draw a vine with six nodes and tendrils at alternate internodes. Use node interval = 3 units and leaf length = 2 units with x-height = 1 unit. Place tendrils so no tendril touches a node.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.