Detailed Tree Drawing: Bark Cracks, Twig Networks, and Leaf Layering

Original tasks 1, 2 / independent work

Task 1

A trunk is 16 cm tall and divided into four equal bands. Base width is 4 cm and top width is 2 cm. Compute the per-band reduction and list the width at each boundary from ground to top.

Task 2

You plan 4 primary limbs, 3 secondary branches per primary, and 4 fine twigs per secondary. Compute the total fine twig count. Then state one visual test to confirm the network is traceable.

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Original tasks 3, 4 / independent work

Task 3

In a 6 cm by 6 cm bark practice box, you draw five major cracks spaced 1.2 cm apart vertically. Compute the total vertical span used by the spacing between the first and fifth crack centers, and state the taper rule for each crack.

Task 4

A crown is divided into three tonal zones with hypothetical allocations of 40 percent dark interior, 35 percent mid-tone, and 25 percent light outer edge. If the crown covers 20 grid squares, compute the square count for each zone. Then state the squint test for layer order.