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

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

On a 24 cm tall trunk divided into four bands, choose base width 5 cm and top width 3 cm. Compute the per-band width reduction, state the width at each band boundary, and describe how many fine twigs result from 3 primary limbs, 2 secondary branches per primary, and 5 fine twigs per secondary.

Answer: Per-band reduction is (5 minus 3) divided by 4 equals 0.5 cm per band. Widths at boundaries from ground upward are 5.0 cm, 4.5 cm, 4.0 cm, 3.5 cm, and 3.0 cm. Fine twig count is 3 times 2 times 5 equals 30. Check: measure each boundary width with a ruler and compare to the listed values; count fine twigs and compare to 30.