Realistic Tree Drawing: Bark, Branch Taper, and Leaf-Mass Shading

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: A trunk is 30 mm wide at baseline and 20 mm wide at the first branch. One branch starts at 12 mm and ends at 3 mm. Calculate the trunk taper ratio and branch taper ratio, then state one check for bark ridge spacing.

Answer: Trunk taper ratio is 30 divided by 20 equals 1.5. Branch taper ratio is 12 divided by 3 equals 4. A check for bark ridge spacing is that ridges are tighter near the trunk edges and wider near the center, with consistent pencil pressure.