Leg Drawing Practice: Proportion and Perspective Construction

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Using L = 20 grid squares, construct a front-view leg with knee at 0.50 L, calf widest at 0.70 L, and ankle at 0.90 L. Use hypothetical widths: thigh top 0.18 L, knee 0.14 L, calf 0.15 L, ankle 0.08 L. Show the landmark marks and outline.

Answer: Mark the centerline at 10, 14, and 18 squares from the top. At the top, set a width tick of 3.6 squares total (1.8 each side); at the knee, 2.8 squares total; at the calf, 3.0 squares total; at the ankle, 1.6 squares total. Connect the ticks with tapered outlines. Check: 0.18 times 20 equals 3.6, 0.14 times 20 equals 2.8, 0.15 times 20 equals 3.0, and 0.08 times 20 equals 1.6. The landmark spacing matches 10, 14, and 18 squares.