Draw Hands and Feet: A Proportion Comparison Method

Ordinary topic reference / separately checked pixels



Draw Hands and Feet: A Proportion Comparison Method

Original worked example / unchanged complete key

Prompt: A reference gives wrist width U = 3 cm. The hand total length is 12 cm, palm width is 7 cm, and palm length is 8 cm. The foot length is 17 cm, ball width is 9 cm, and ankle height is 6 cm. Compute the multiples of U and the hand-to-foot length ratio, then state how to lay out the side-by-side drawing.

Answer: Hand length is 12 ÷ 3 = 4.0 U; palm width is 7 ÷ 3 ≈ 2.3 U; palm length is 8 ÷ 3 ≈ 2.7 U. Foot length is 17 ÷ 3 ≈ 5.7 U; ball width is 9 ÷ 3 = 3.0 U; ankle height is 6 ÷ 3 = 2.0 U. The hand-to-foot length ratio is 4.0 ÷ 5.7 ≈ 0.70, so the foot is about 1.4 times longer than the hand. Lay out the hand at 4.0 U and the foot at 5.7 U on the same page, mark U in the margin, and place the foot outline to the right with enough space for its longer length.