Compression Drawing: Foreshortened Limbs in a Crouched Pose

Original tasks 1, 2 / independent work

Task 1

A crouched figure has an upper arm of 8 cm on paper. Using the example ratio, calculate the visible forearm length and state the near-end width if the far end is 2 cm wide.

Task 2

A pose plate shows a knee angle of 75 degrees and an elbow angle of 90 degrees. In your redraw, you measure a knee angle of 70 degrees. Is the redraw within a 10-degree tolerance? Show the arithmetic.

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Original tasks 3, 4 / independent work

Task 3

Describe the overlap order for a crouched pose where the near forearm crosses the far thigh and the near lower leg crosses the far lower leg. Which limb is drawn last in each pair?

Task 4

A torso is tilted 30 degrees from vertical in your redraw but 35 degrees in the reference. Calculate the difference and state whether a 5-degree tolerance is met.