Draw a Hand Holding a Pencil: Grip, Knuckle Mass, and Wrist Angle

Original task 1 / independent drawing and calculation

Task 1

A side-view hand holds a pencil. Assume the index tip, the pencil contact point, and the main knuckle arc all lie along one line on the back of the hand. The index tip is 1 pencil-width unit beyond the contact point, and the main knuckle arc is 1 unit behind the finger bases, which coincide with the contact point. What is the distance from the index tip to the main knuckle arc along that line?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

A drawing shows the thumb tip and index tip pointing in the same direction, both above the pencil. Using the grip logic in this lesson, describe one change that would make the grip read as a wrap.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

You draw four fingers with equal curl and equal length. The ring and little fingers touch the pencil. Identify the two grip-logic errors and state a correction for each.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

A palm block is drawn 2 units tall and 3 units long. The wrist cylinder enters at 25 degrees from vertical. The pencil line is drawn at 40 degrees from vertical. State whether the wrist and pencil angles are consistent with a relaxed writing posture in this lesson, and give one check.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.