Drawing Fingers: Knuckle Landmarks and Proportion Guides

Original task 1 / independent drawing and calculation

Task 1

An artist measures an x-height of 4 mm and uses the hypothetical ratio 1.2 : 1.0 : 0.8. Calculate the three segment lengths and the total finger length.

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 finger drawing has knuckle crosses at 0 mm, 7 mm, and 12 mm along a straight line. The artist claims segments of 7 mm, 5 mm, and 5 mm. Identify the error and give the correct tip segment length.

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

An artist wants three fingers with the same ratio 1.2 : 1.0 : 0.8 and an x-height unit of 6 mm. Finger A bends 10 degrees at the middle knuckle, finger B bends 20 degrees, and finger C bends 30 degrees. State the segment lengths and explain whether the different bends are valid.

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 planned blank outline shows knuckle crosses at 0 mm, 5 mm, and 9 mm. An artist traces it but places their own crosses at 0 mm, 6 mm, and 10 mm using a 5 mm x-height unit and ratio 1.2 : 1.0 : 0.8. Compare the two sets of crosses and state whether the artist should adjust.

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.