Skeleton Overlay Tracing: A Photo-Based Drawing Exercise

Original tasks 1, 2 / independent work

Task 1

A photo shows a right leg with hip, knee, and ankle joints. You measure hip-to-knee as 50 mm and knee-to-ankle as 45 mm. You measure hip-to-ankle as 90 mm. Apply the triangle rule and state whether the joints are consistently placed.

Task 2

You draw a practice box 40 mm by 30 mm (hypothetical example). Inside, you place three joint circles. The distances between them are 12 mm, 15 mm, and 20 mm. Does this set of distances satisfy the triangle rule?

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Original tasks 3, 4 / independent work

Task 3

A photo shows a left arm with shoulder-to-elbow 30 mm and elbow-to-wrist 25 mm. You measure shoulder-to-wrist as 60 mm. Does the triangle rule pass or fail? Explain.

Task 4

You label a joint line with the text '42 mm' placed alongside the line without obscuring it. A second label is placed on the opposite side of the same line, also without obscuring the line or joint circles. Is the second label acceptable under the convention?