Draw a Human Body: Torso and Limb Construction

Original tasks 1, 2 / independent work

Task 1

A figure is 24 cm tall. You choose a head unit of 3 cm. Mark the shoulder line at 1.5 head units below the top and the hip line at 4 head units below the top. Calculate the centimeter positions of both lines from the top, and the distance from the hip line to the floor.

Task 2

A standing figure has a shoulder width of 9 cm and a hip width of 6 cm. You want a shoulder-to-hip width ratio of about 1.5 to 1. Is the current ratio close to that target? Show the arithmetic.

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Original tasks 3, 4 / independent work

Task 3

A figure is 30 cm tall with a head unit of 4 cm. The hip line is placed 16 cm below the top. The knee landmark is placed halfway between the hip line and the floor. Calculate the knee landmark's distance from the top.

Task 4

A figure is 27 cm tall with a head unit of 3 cm. The elbow landmark is placed at the waist line, 12 cm below the top. The wrist landmark is placed at the hip line, 15 cm below the top. Calculate the length of the forearm segment between the elbow and wrist landmarks.