# Draw a Realistic Skeleton: Bone Proportions and Joint Placement

Original tasks 1, 2 / independent work

## Task 1

A figure is 160 mm tall. The hip is at 0.50 of height, the knee at 0.30, and the ankle at 0.05. Calculate each joint height from the ground in millimeters.

## Task 2

A learner draws a femur of 45 mm and a tibia of 40 mm. The hip station is 95 mm from the ground and the ankle station is 10 mm. Does the drawn leg match the station distance? Show the arithmetic.

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Original tasks 3, 4 / independent work

## Task 3

On a 200 mm figure, the shoulder is at 0.80 of height and the elbow at 0.60. The wrist is 35 mm below the elbow. Calculate the wrist height from the ground.

## Task 4

A learner uses circles for joints on the left arm and crosses on the right arm. State whether this satisfies the convention and propose a fix.