# Drawing Dancer Anatomy: Limb Proportion and Joint Alignment Practice

Original tasks 1, 2 / independent work

## Task 1

A dancer's head unit is 4 cm. Planned ratios: upper arm 1.3 units, forearm 1.1 units. Calculate the total arm length from shoulder to wrist in centimeters. Then state one joint-alignment check for a raised arm.

## Task 2

In an arabesque, the supporting leg has thigh 1.8 units and lower leg 1.6 units. The head unit is 2.5 cm. The working leg is foreshortened to 70 percent of its planned length. Calculate the supporting leg length in centimeters and the foreshortened working leg length if its planned total is 3.4 units.

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Original tasks 3, 4 / independent work

## Task 3

A seated dancer has a head unit of 3.5 cm. Planned thigh is 1.8 units and lower leg is 1.6 units. The knee is bent so the lower leg points toward the viewer and is shortened by 25 percent. Calculate the drawn thigh length and drawn lower-leg length in centimeters.

## Task 4

A dancer's total height is planned as 7.5 head units with a head unit of 3 cm. The legs are planned as 3.8 head units total. Calculate total height and leg length in centimeters. State one proportion check comparing the leg length to total height.