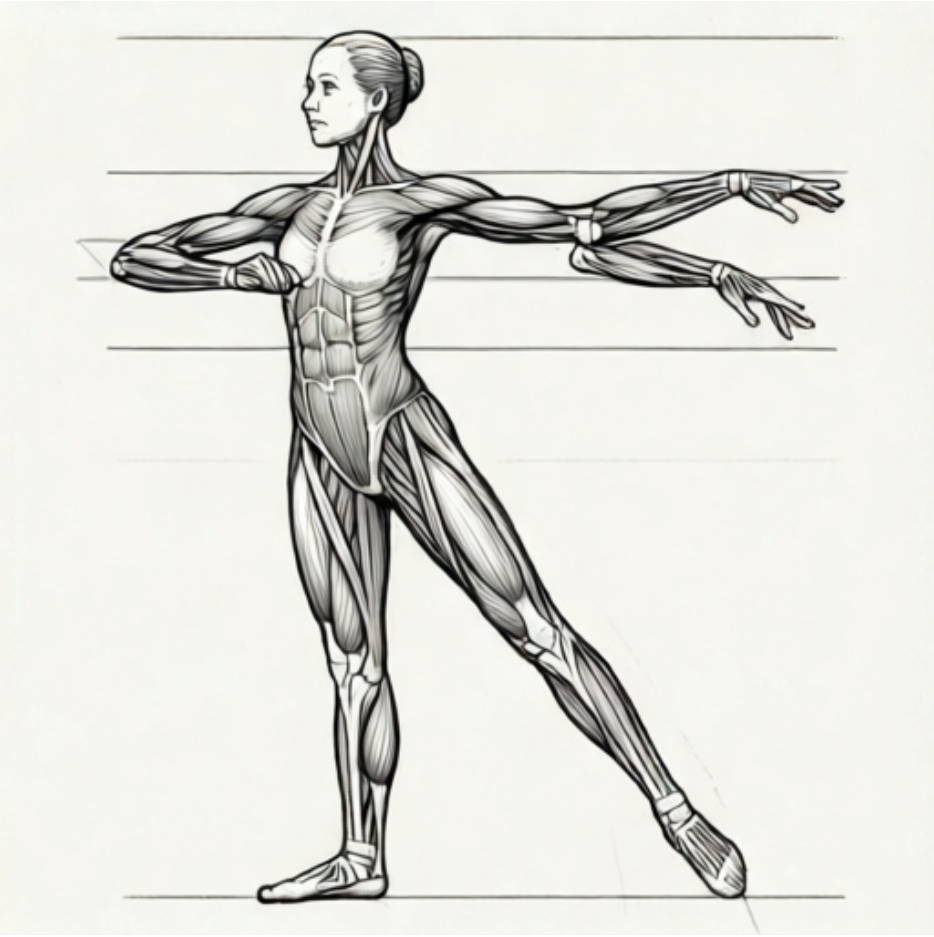
Drawing Dancer Anatomy: Limb Proportion and Joint Alignment Practice

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

Drawing Dancer Anatomy: Limb Proportion and Joint Alignment Practice

Worked example / complete source key

A dancer stands with weight on the left leg. The head unit is 3 cm. Planned ratios: total height 7.5 units, left thigh 1.8 units, left lower leg 1.6 units, right thigh 1.8 units, right lower leg 1.6 units. The left ankle, knee, and hip are stacked vertically. Calculate the planned left leg length from hip to floor and state one alignment check.

Answer: Left leg length = 1.8 + 1.6 = 3.4 head units = 3.4 × 3 cm = 10.2 cm. Alignment check: a vertical plumb line from the left ankle should pass within a stated offset, such as 0.5 head unit (1.5 cm), of the left knee and left hip dots.

Reason: Add the two segment ratios, multiply by the head unit, and compare the stacked joints to a vertical line. The offset is a chosen tolerance, not a universal standard.

Check: Re-measure the scale bar, confirm 3.4 units equals 10.2 cm, and verify the plumb line offset is labeled on the drawing.