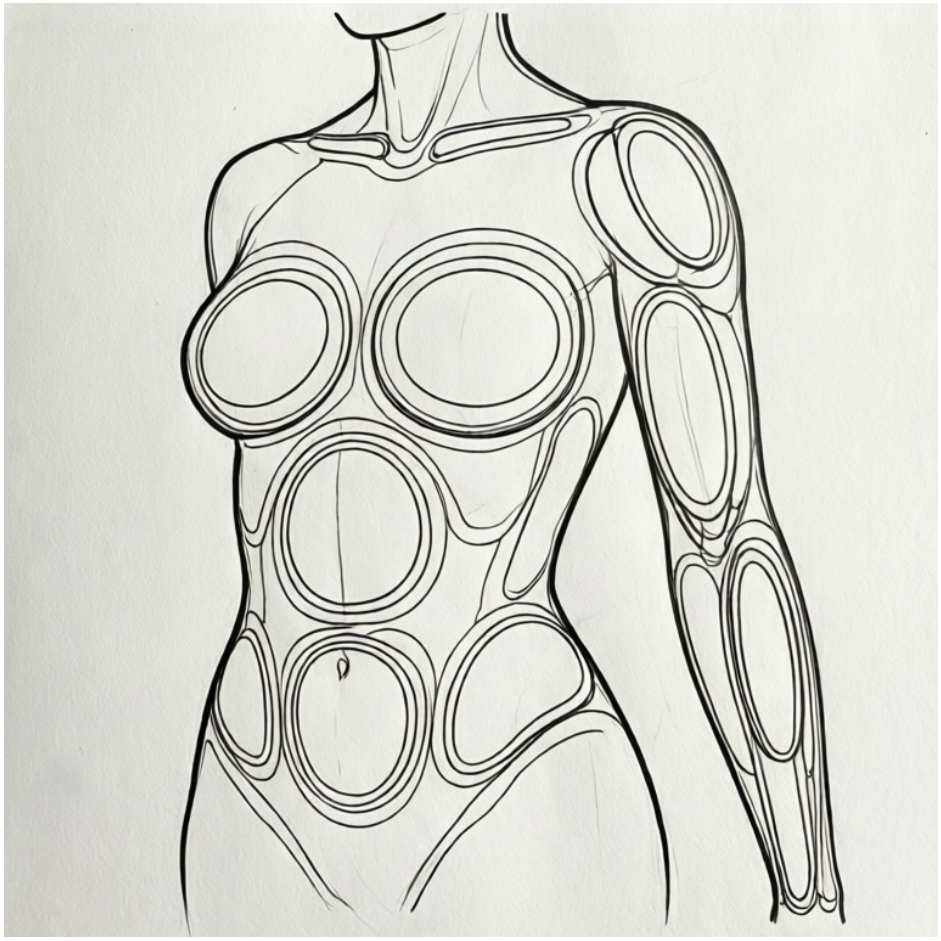
Drawing Ellipses on Human Form: Cross-Sections for Limbs and Torso

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 Ellipses on Human Form: Cross-Sections for Limbs and Torso

Worked example / complete source key

A hypothetical reference plate shows an arm section 8 cm wide and 5 cm deep. Draw the ellipse axes and check the ratio.

Answer: Long axis 8 cm, short axis 5 cm, ratio 8:5. Draw the long axis across the visible width, the short axis perpendicular and centered, then sketch the ellipse through the four endpoints. Check: measure the drawn axes in centimeters; if they are 8 cm and 5 cm, the ratio matches. If the drawn short axis is 3 cm, the depth is too shallow and should be lengthened toward 5 cm.