Draw a Seated Figure at a Desk: Contact Points and Arm Reach

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.

Draw a Seated Figure at a Desk: Contact Points and Arm Reach

Worked example / complete source key

A figure sits on a seat line 12 units wide. The contact patch is 4 units wide. The torso line rises 9 units from the contact patch to the shoulder area at a slight forward lean. The desk edge is 7 units in front of the torso. The upper arm is drawn 5 units and the forearm 5 units. The hand contact point is 8 units from the shoulder in a straight line. Does the arm reach the desk without overstretch?

Answer: Yes. The combined arm length is 5 + 5 = 10 units, and the straight-line shoulder-to-hand distance is 8 units. Since 8 is less than 10, the hand can reach the desk without overstretch. The elbow should be placed between shoulder and hand so the two segments meet correctly.