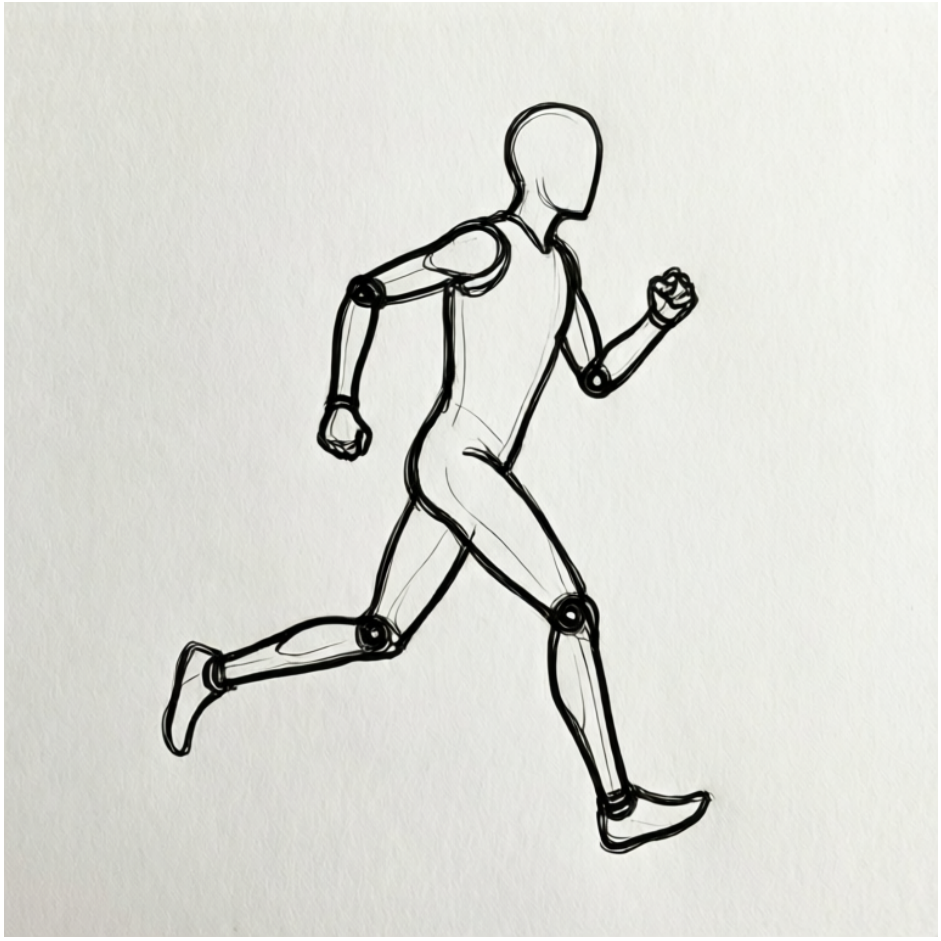
Draw a Running Stick Figure: Joint Angles and Four-Frame Stride

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 Running Stick Figure: Joint Angles and Four-Frame Stride

Worked example / complete source key

A learner draws Frame 1 with the front hip at 140 degrees, front knee at 170 degrees, back hip at 160 degrees, and back knee at 150 degrees. The shoulder angles are 30 degrees forward and 40 degrees back. Check whether the labels match a plausible contact pose and state one correction if needed.

Answer: The labels are plausible for contact: the front hip is more flexed (smaller angle, 140 degrees) than the back hip (160 degrees), and the front knee is straighter (larger angle, 170 degrees) than the back knee (150 degrees). The shoulder angles show opposite arm positions. One correction: add leader lines to each label and confirm the hip angles are measured from the torso line, not the ground line.