Draw an Exercising Figure: Joint Bends and Motion Poses

Ordinary topic reference / separately checked pixels



Draw an Exercising Figure: Joint Bends and Motion Poses

Original worked example / unchanged complete key

Prompt: A figure stands with the torso vertical. The right hip angle is 150 degrees, the right knee angle is 130 degrees, the right shoulder angle is 45 degrees, and the right elbow angle is 90 degrees. Describe the pose and state whether the knee bend is deeper or shallower than a right angle.

Answer: The figure stands mostly upright with a slight hip bend and a moderate knee bend. The right arm is raised only partway from the torso and the elbow is bent to a right angle. The knee angle of 130 degrees is shallower than a right angle because 130 is greater than 90.

Reason: Hip 150 degrees is close to straight (180), so the leg is only slightly forward. Knee 130 degrees is a moderate bend. Shoulder 45 degrees means the upper arm is well away from the torso line but not overhead. Elbow 90 degrees is a right angle. Comparing 130 to 90 shows the knee is less bent than a right angle.

Check: Re-read each label against the convention: vertex at the joint, measured between the two segments. Confirm 130 > 90 for the knee comparison and that the arm description matches 45 and 90 degrees.