Draw a Seated Cyclist: Pedaling Legs and Balance

Ordinary topic reference / separately checked pixels



Draw a Seated Cyclist: Pedaling Legs and Balance

Original worked example / unchanged complete key

Prompt: Using a head unit of 2 cm, draw a seated rider with hip at the origin of a 12 cm horizontal balance guide. Mark a seat reference 1 cm forward of the hip. Put the shoulder 4 cm above and 1 cm forward of the hip; put both hands on a handlebar line 2 cm above the hip. Draw an 8.3 cm wide by 3 cm tall pedal-path oval centered 3 cm below the hip. Show one forward-up and one back-down leg.

Answer: Use a 2 cm head unit and draw the torso from hip to shoulder with a 4 cm vertical rise and 1 cm forward shift. Place both hands on the handlebar line 2 cm above the hip. For the forward-up leg, place the knee about 2.96 cm forward and 0.5 cm above the hip, then the foot at (2.96,−2.0) cm. For the back-down leg, place the knee at about (−2.47,−1.7) cm and the foot at (−2.47,−4.2) cm. These give about 3 cm hip-to-knee and 2.5 cm knee-to-foot for each leg; the feet sit on opposite arcs of the 8.3-by-3 cm oval. Drop a vertical visual guide from the hip to compare with the seat mark; its 1 cm horizontal offset is a drawing cue, not a stability calculation.