Realistic Libra Scale Drawing: Beam, Pans, and Chains

Ordinary topic reference / separately checked pixels



Realistic Libra Scale Drawing: Beam, Pans, and Chains

Original worked example / unchanged complete key

Prompt: On a 20 cm by 25 cm sheet, draw a realistic Libra scale with a 16 cm pillar height, a 12 cm beam, attachment points 5 cm from center, and pans 4 cm wide. Describe the check for symmetry.

Answer: Mark the center line and ground line. Mark beam height at 13 cm above ground. Draw the pillar with equal left and right widths at three heights. Draw the beam 12 cm total, centered, with attachment points 5 cm left and 5 cm right of center. Draw pans 4 cm wide below each attachment, with three chains each. Check: left attachment distance 5.0 cm equals right 5.0 cm; left pan width 4.0 cm equals right 4.0 cm; chain drop 3.0 cm on both sides. Shade with light from upper left.