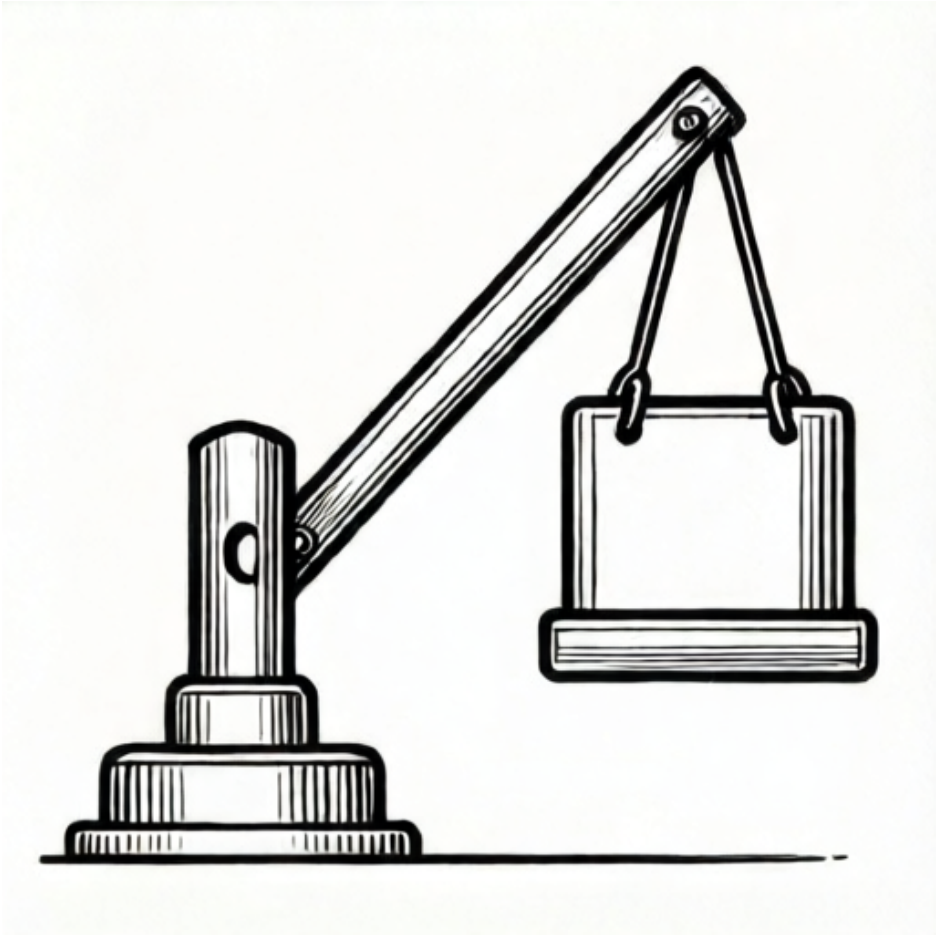
Draw a Lever: Fulcrum, Arms, and Load in Clear Diagram Form

Ordinary topic reference / separately checked pixels



Draw a Lever: Fulcrum, Arms, and Load in Clear Diagram Form

Original worked example / unchanged complete key

Prompt: Draw a lever with a 12 cm beam, fulcrum 4 cm from the left end, effort at the left end, and load at the right end. Label both arms and state the arm lengths.

Answer: The effort arm is 4 cm and the load arm is 8 cm. The fulcrum triangle touches the beam at the 4 cm mark. The effort arrow is at the left end and the load arrow is at the right end. The sum of the arms is 12 cm, matching the beam length.