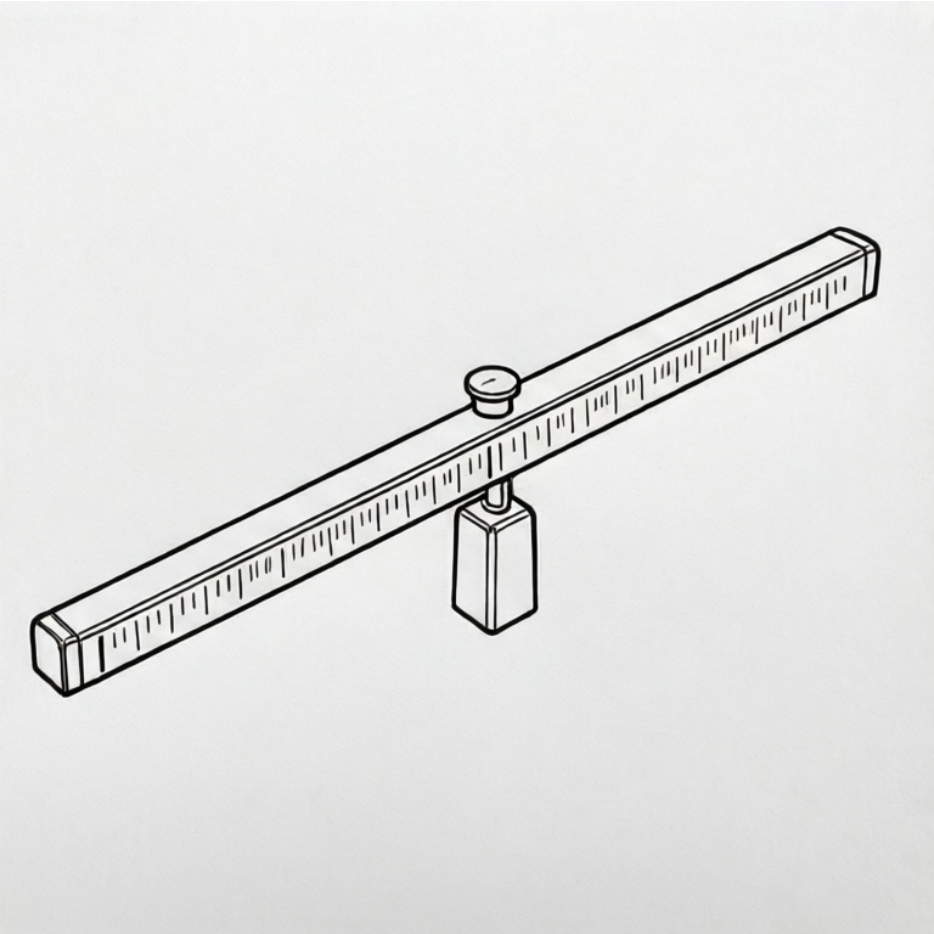
Draw a Balance Beam Scale: Fulcrum, Sliding Weight, and Graduated Beam

Ordinary topic reference / separately checked pixels



Draw a Balance Beam Scale: Fulcrum, Sliding Weight, and Graduated Beam

Original worked example / unchanged complete key

Prompt: Draw a balance beam scale with a 10 cm beam, a centered fulcrum, a sliding weight near the left end, and 10 equal graduations. Label the fulcrum, sliding weight, and graduated beam.

Answer: A completed drawing shows a horizontal 10 cm by 1 cm beam centered in a 12 cm by 8 cm box. The fulcrum is a symmetrical triangle centered at the beam midpoint, with its top touching the beam and its base on a ground line. A centered pointer extends downward from the beam midpoint. The sliding weight is a 1.5 cm by 1.5 cm block sitting on the beam 1 cm from the left end. Eleven equal tick marks divide the beam top edge at 1 cm spacing, numbered 0 to 10 from left to right. Labels are legible and at least 0.5 cm tall. The beam is level, the graduations are even, and the weight sits on the beam.