Draw a Kids' Balance Scale in Four Simple Steps

Ordinary topic reference / separately checked pixels



Draw a Kids' Balance Scale in Four Simple Steps

Original worked example / unchanged complete key

Prompt: Draw a simplified balance scale on paper 20 cm tall. Use a baseline 3 cm from the bottom and a midline 9 cm above the baseline. Draw a base 8 cm wide and 1 cm tall, a stand 1 cm wide and 9 cm tall centered on the base (bottom at the base top, top 1 cm above the midline), a beam 10 cm wide and 1 cm tall centered on the stand, and two pans hanging 2 cm below each beam end. All measurements in this prompt are hypothetical examples; measure your own paper and tools.

Answer: The drawing shows a flat base near the bottom, a vertical stand rising from the base top to 1 cm above the midline, a level beam centered on the stand, and two equal pans hanging 2 cm below each end. Labels are readable. The beam is horizontal and the pans are at the same height. Check: base top is 4 cm from the bottom (3 cm baseline plus 1 cm base height); the 9 cm stand reaches 13 cm from the bottom, which is 1 cm above the midline at 12 cm from the bottom.