Balance Scale Black Line Drawing: Clean Outline Technique

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

Draw a balanced scale with a stand 10 units tall, a beam 14 units wide, and pans 3 units wide. The beam midpoint is above the stand center. Mark left and right hanging points 5 units from the midpoint. Describe the outline sequence and check the symmetry.

Answer: Draw the base and vertical stand on the center line, then the top pivot. Draw the beam as a 14-unit horizontal bar centered on the pivot, with closed ends. Mark hanging points 5 units left and 5 units right of the midpoint; the remaining 2 units on each side are beam overhang. Draw connectors down to two 3-unit pans, each closed with a continuous rim and lower edge. Check: 5 + 5 = 10 units between hanging points, and 14 - 10 = 4 units total overhang, or 2 units per side. Both pans are 3 units wide, so the scale reads as balanced.