Realistic Libra Scale Drawing: Beam, Pans, and Chains

Original task 1 / independent drawing and calculation

Task 1

Draw a scale with a 14 cm pillar, a 10 cm beam, and attachment points 4 cm from center. Check symmetry and state your measurements.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

A drawing has a left chain drop of 3.2 cm and a right chain drop of 2.8 cm. What adjustment makes the pans level, and what is the new common drop if you average?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 3 / independent drawing and calculation

Task 3

Draw two pans 4 cm wide with three chains each. The left pan rim points are at 0 cm, 2 cm, and 4 cm across the rim. Where should the right pan rim points be for symmetry?

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

Using light from upper left, describe the tone for the beam top edge, beam lower edge, and the inside of the right pan. Use light, medium, or dark.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.