Draw a Half Basketball Outline with Seam Curves

Original task 1 / independent drawing and calculation

Task 1

Draw a half-ball with a 12 cm baseline and 6 cm midline. Place two seam curves using the one-third and two-thirds convention. State your hypothetical bow depth.

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 half-ball has a 9 cm baseline and 4.5 cm midline. Mark the seam start points and explain how to check 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 3 / independent drawing and calculation

Task 3

Draw a half-ball with a 14 cm baseline and 7 cm midline. Add an optional center seam and label all parts. Describe how you keep labels clear.

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

A half-ball has an 8 cm baseline and 4 cm midline. One seam bows 0.6 cm inward and the other bows 1.2 cm. Identify the problem and give a corrected plan.

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.