Contour Line Drawing of a Soda Can: A Focused Study

Original task 1 / independent drawing and calculation

Task 1

A hypothetical can is 110 mm tall and 55 mm wide. Draw a slow contour of its outline. Measure your drawing: it is 108 mm tall and 54 mm wide. Compute both ratios and state whether the drawing passes the ratio check.

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 hypothetical can is 130 mm tall and 60 mm wide. A drawing measures 125 mm tall and 58 mm wide. Compute the ratios and the difference. Does it pass? If not, suggest one adjustment.

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

During a blind contour of a can, you notice your drawing’s height is much shorter than the can’s measured height. State one likely cause and one fix for the next attempt.

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 slow contour drawing shows tab edges extending beyond the top rim. The can’s measured height is 115 mm and width is 62 mm. The drawing measures 114 mm tall and 61 mm wide. Compute the ratio difference and state one fix for the tab edges.

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.