How to Draw a Boat from Side, Front, and Overhead Views

Original task 1 / independent drawing and calculation

Task 1

A boat has a side view 8 units long and 2 units high. The front view is 3 units wide and 2 units high. What should the overhead view's length and width be?

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 student draws a side view 12 units long, a front view 5 units wide, and an overhead view 10 units long and 5 units wide. Which measurement is inconsistent, and what should it be?

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

You want a boat 9 units long, 4 units wide, and 3 units high. State the length, width, and height you would use in each of the three views.

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 front view shows a hull 6 units wide at the widest point and 2 units high. The side view shows a length of 11 units and a height of 2 units. Describe the overhead view's outline using these measurements, and state one check you would perform.

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.