Little Boat Drawing: Hull, Oars, and Seat

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

A drawing area is 12 cm wide and 8 cm tall. The hull top edge is 10 cm long and sits 4 cm above the baseline. The hull curve dips 1 cm below the top edge. The seat is 4 cm long and centered. Each oar extends 3 cm past the hull edge. Check the total width of the drawing from the left oar tip to the right oar tip.

Answer: The hull is 10 cm wide. Each oar extends 3 cm past the hull, so the total width is 10 + 3 + 3 = 16 cm, which exceeds the 12 cm area. To fit a 12 cm area, the total overhang budget is 12 - 10 = 2 cm, so each oar may extend at most 2 ÷ 2 = 1 cm past the hull. The check is: total width = hull width + left overhang + right overhang.