Chest Drawing Reference: Planks, Lid, Hinges, and Lock

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Draw a chest front 10 units wide and 6 units high with three equal planks, a centered lock, and two hinges on the back edge. State the plank height and hinge spacing.

Answer: Each plank is 2 units high because 6 divided by 3 equals 2. The lock center is at 5 units from either side because 10 divided by 2 equals 5. The 10-unit width is the body width; hinge spacing is measured along the body's back edge. Place hinges 1 unit from each back corner, leaving 8 units between them. The lid rises 1 unit over a 5-unit depth as a hypothetical example, with its highest point at the back top edge.

Reason: Equal planks require dividing the body height by the number of planks. Centering requires dividing the front width by two. Hinge spacing is checked by subtracting twice the corner distance from the total width.

Check: Measure each plank height and confirm they sum to 6 units. Measure lock center to each side and confirm both are 1 unit. Measure each hinge to its nearest corner and confirm both are 1 unit.