Draw a Cabin: Roof Pitch, Wall Logs, and Openings

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Draw a front view of a cabin 20 units wide and 12 units tall. Use a roof rise of 5 units above the wall top with a run of 10 units from ridge to wall edge. Use 6 wall logs. Place a door 3 units wide and 7 units tall, starting 2 units from the left wall edge. Place a window 4 units wide and 3 units tall, centered on the right half of the wall.

Answer: Baseline 20 units wide. Midpoint at 10 units. Ridge 5 units above wall top. Roof slopes connect ridge to each wall-top corner; each slope has run 10 and rise 5. Wall height 12 units divided by 6 logs gives 2-unit log height. Door box: left edge at 2 units, width 3 units, height 7 units from baseline. Window box: right half spans 10 to 20 units; center at 15 units; width 4 units gives edges at 13 and 17 units; height 3 units from baseline. Log lines stop at opening edges. Check: door right edge 2+3=5 units, inside wall. Window edges 13 and 17, inside right half. Roof rise 5 for run 10 on both sides.