Building Sketch Drawing: Block Mass, Roofline, and Windows

THREE-STEP BUILDING CONSTRUCTION REFERENCE

1 / block mass

2 / roofline

3 / windows and door



Illustrative three-step plate / light guides first, dark final edges last / not a physical ruler

Start with a light rectangle. Choose the roofline, then add evenly spaced windows and a door. The small reference uses four windows and a flat roof; other frozen tasks specify their own counts and roof styles.

For a side wing, matching roofline means matching style; a shorter wing can have a lower roof. For a full-width upper floor, erase obsolete lower roof guides and put the final roof on top.

Check your construction:

Task width/height and paper scale

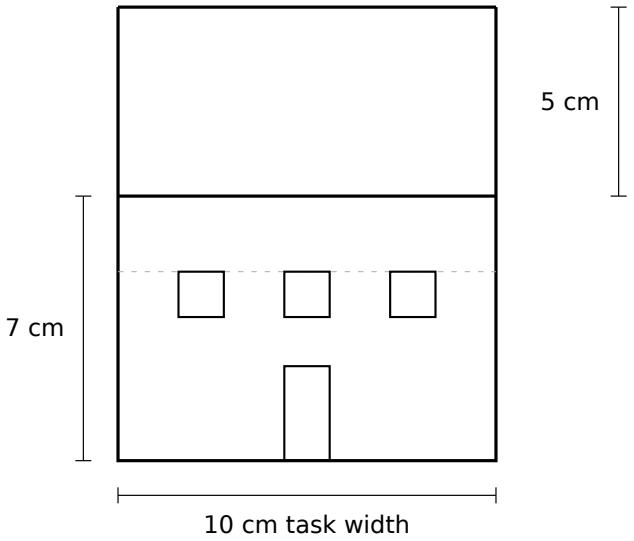
Window count, equal gaps and roofline check

Hypothetical worksheet dimensions, not construction standards. Numeric drawings use 1:2 lengths: 1 task cm is 0.5 cm on paper. Print at Actual Size / 100%. Light guides are not final roof edges.

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WORKED EXAMPLE / FLAT ROOF AND EXTRA FLOOR

Sketch a simple building with a flat roof, three windows, and a door. Use a front face 10 cm wide and 7 cm tall as a hypothetical example. Add one extra floor.



Lengths 1:2 / 1 task cm = 0.5 cm on paper / print at 100%

Draw a light rectangle 10 cm by 7 cm. Draw a flat roofline across the top. Draw a light horizontal line for window tops about 2 cm below the roofline. Place three equal window rectangles with equal gaps. Draw a door rectangle at the bottom center. Add a second block mass above the first, 10 cm by 5 cm, with a matching flat roofline. Darken the final lines.

Why: The block mass is checked first because it controls the overall shape. The roofline is added next because it defines the top. Windows and door are placed last because they are small and easy to adjust. The extra floor is a variation that keeps the same roofline style.

Check: Measure the lower front face and confirm it is 10 cm by 7 cm. Count three windows and confirm equal gaps. Confirm the door is at the bottom. Confirm the 10 cm by 5 cm extra floor sits directly above and the final roofline above it is flat; the old flat top line is now a floor boundary.

Hypothetical worksheet dimensions, not construction standards. Numeric drawings use 1:2 lengths: 1 task cm is 0.5 cm on paper. Print at Actual Size / 100%. Light guides are not final roof edges.