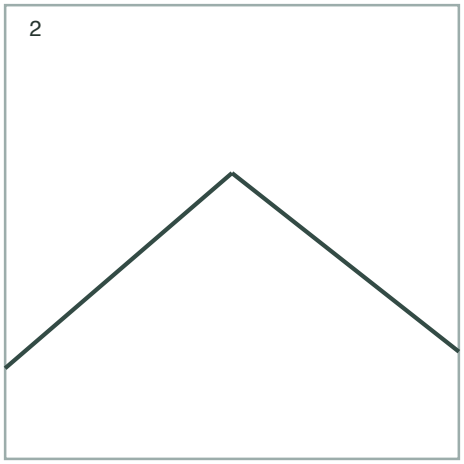
# Collaborative Grid Drawing



## Original prompt

Task 1 — Read a numbered cell. Using the reference grid, describe what a learner assigned cell 2 must draw, including which lines cross its edges.




## Answer

Cell 2 is the upper middle square. It contains the peak and two sloping roof edges. The left slope reaches the left edge and the right slope reaches the right edge, both below the top. Neither wall lies inside this square.

## Reasoning

Naming the actual entry and exit edges locates the peak correctly. A wall belongs to another cell.

## Check

Compare the two slopes at the left and right edges of the upper middle cell, and keep the peak in the same relative place.

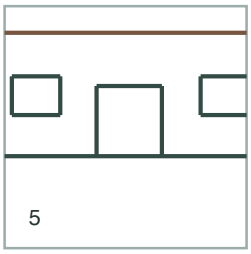
# Collaborative Grid Drawing



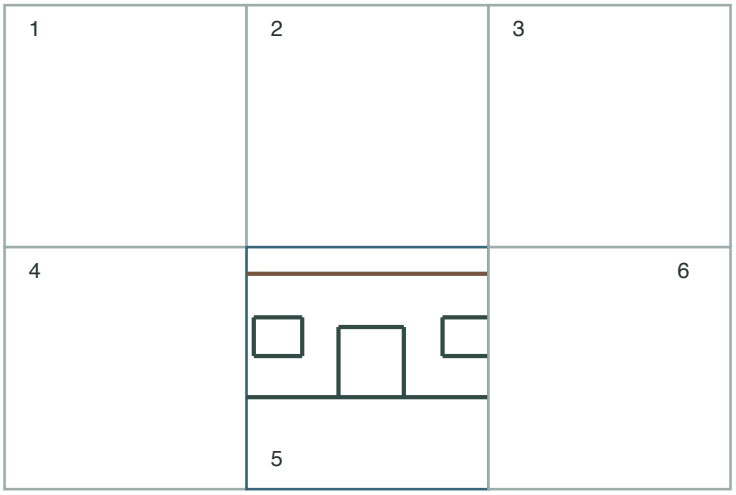
## Original prompt

Task 2 — Construct a cell. On a blank numbered grid, draw cell 5 from the reference, matching its edge-crossings and interior shapes.

Reference cell




Copy in cell 5




## Answer

Cell 5 is the lower middle square. The eave above the facade and the house base run across its left and right boundaries. Copy the doorway in the middle and the nearby window portions shown on the reference.

## Reasoning

In the given picture the facade spans the lower middle square. Its two horizontal shared edges must join adjacent cells at the same height.

## Check

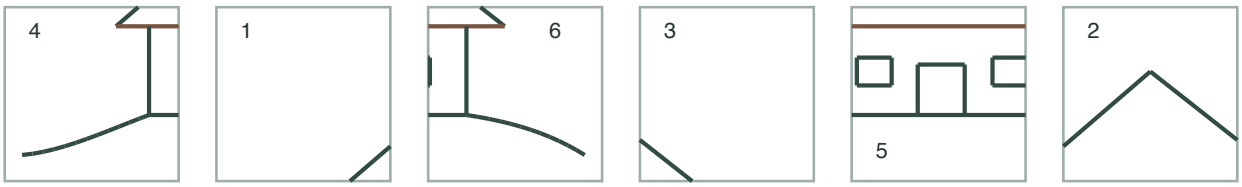
Compare the upper eave and lower base crossings with reference cell 5. Check that the inside door and visible window strokes stay in their matching positions.

# Collaborative Grid Drawing

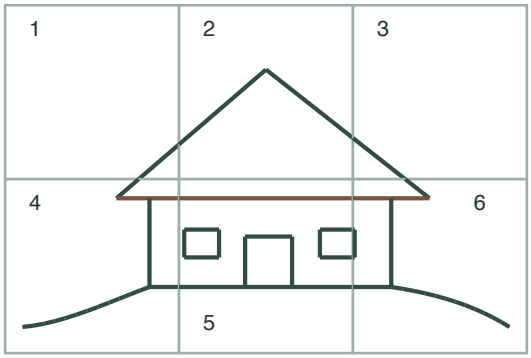


## Original prompt

Task 3 — Assemble in order. Given completed cells 1 to 6, describe how to place them to form the enlargement and what to check at each join.




Model arrangement




## Answer

Place 1, 2 and 3 left to right across the top, and 4, 5 and 6 left to right across the bottom. Match the shared ends of the roof, walls and ground where they reach a join.

## Reasoning

The numbers determine the position before you check the drawing. Upper and lower squares share an edge only when they are in the same column.

## Check

Check both horizontal rows and the stacked pairs 1/4, 2/5 and 3/6. Any line that meets a join must continue at the same point.

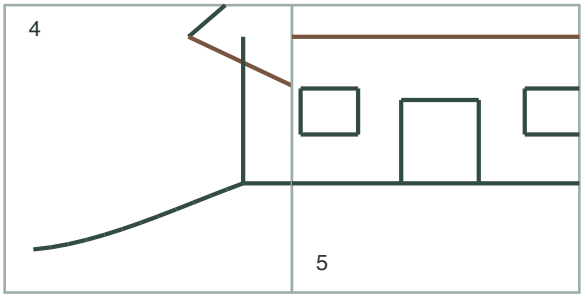
# Collaborative Grid Drawing

Answer | Task 4 of 4 | A4

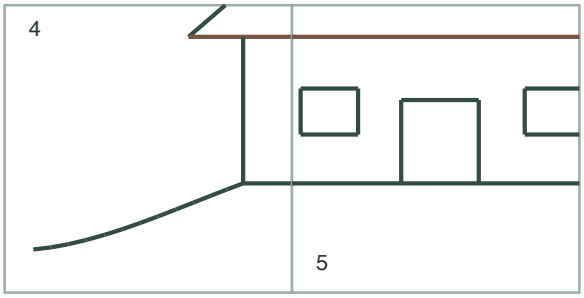
## Original prompt

Task 4 — Check and correct. A learner's cell 4 has the eave line leaving its right edge too low, breaking the join with cell 5. Describe how to find and fix the error.

Starter seam




Repaired seam




## Answer

Compare the right edge of cell 4 with the left edge of cell 5. In the starter, the outgoing eave in cell 4 ends too low. Redraw that edge so it meets cell 5's eave at the same height. Keep the wall, ground and base strokes unchanged.

## Reasoning

Only one crossing is misplaced. These two cells are side by side on the bottom row, so their touching edges must share the same vertical location.

## Check

Line up the repaired cell 4 and original cell 5. The eave now crosses their shared edge without a jump, and the unchanged base still aligns.