Town Hall Facade Drawing: Columns, Steps and Roofline

Original tasks 1, 2, 3 / complete keys

Task 1

A facade has three columns, each two squares wide, with two gaps of two squares. What is the total facade width in squares?

Answer: Ten squares.

Reason: Three columns times two squares equals six squares; two gaps times two squares equals four squares; six plus four equals ten.

Check: Count column widths and gaps separately, then add; confirm the sum matches the marked total width.

Task 2

A step block has four steps, each one square high. The top step is six squares wide and each lower step is two squares wider. What is the bottom step width?

Answer: Twelve squares.

Reason: From top to bottom there are three increases of two squares: six plus two plus two plus two equals twelve.

Check: List widths from top to bottom as six, eight, ten, twelve and confirm four steps.

Task 3

A wall is ten squares high. The cornice sits at the midline. Capitals take one square and bases take one square. How many squares remain for each column shaft?

Answer: Eight squares.

Reason: Subtract capital and base from wall height: ten minus one minus one equals eight.

Check: Add shaft, capital and base heights: eight plus one plus one equals ten, matching the wall height to the midline.

Town Hall Facade Drawing: Columns, Steps and Roofline

Original tasks 4 / complete keys

Task 4

A pediment is centred over a five-column facade. The middle column centre is at square nine from the left edge. Where should the pediment peak be placed?

Answer: At square nine from the left edge.

Reason: A centred pediment peak aligns with the middle column centre in an odd-column facade.

Check: Measure from the left edge to the peak and from the peak to the right edge; the two distances should be equal.

Town Hall Facade Drawing: Columns, Steps and Roofline

Source rubric / reflection

- [ ] Facade width and height follow the chosen grid counts.
- [ ] Column centres are evenly spaced and shafts share one baseline and capital line.
- [ ] Step block is centred with three visible edges and equal overhang.
- [ ] Roofline is horizontal with a centred pediment of stated height.
- [ ] Line convention is followed: clean edges read clearly; slight weight variation is acceptable.
- [ ] Title is legible and placed outside the drawing area.

Reflection: What did you check, what did you change, and what will you try next?