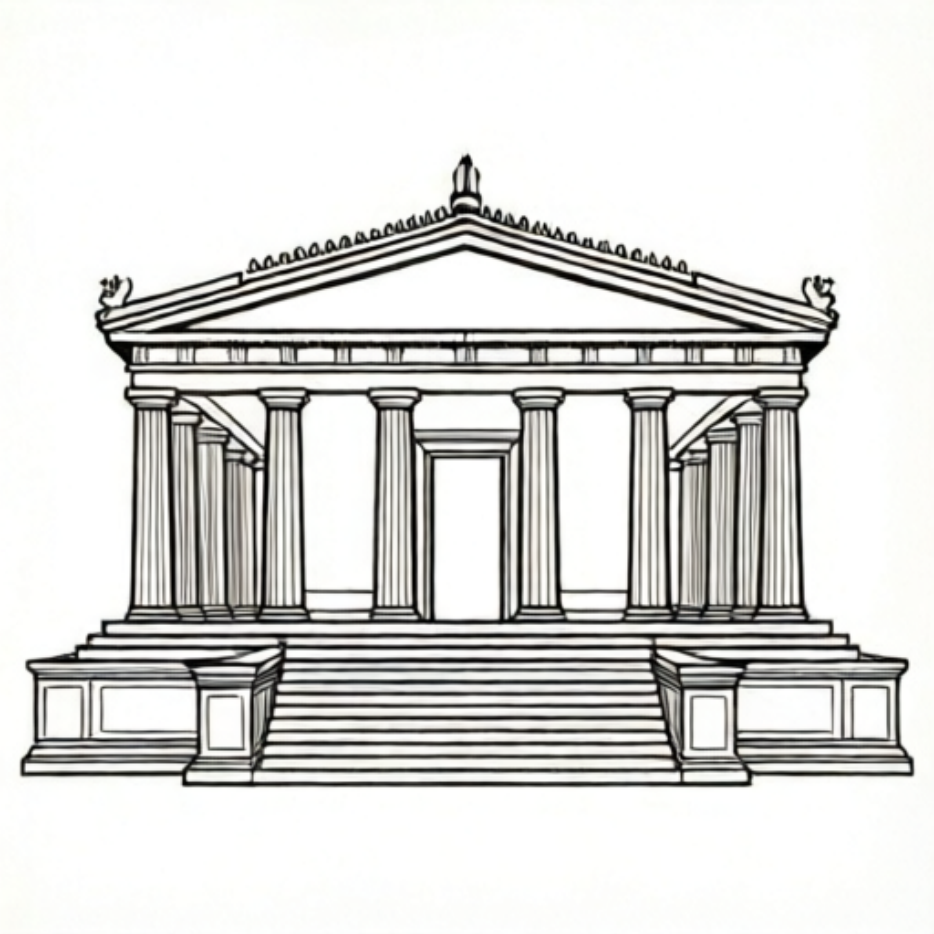
Draw a Temple Facade: Roofline, Columns, and Steps

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

Draw a Temple Facade: Roofline, Columns, and Steps

Worked example / complete source key

Draw a temple facade 7U wide and 7U high with four columns, three gaps, and three steps. Use U as the column width and gap width. Place the roof base one unit above the column tops, and allow one unit above the roof base for the roof profile.

Answer: A flat facade rectangle 7U by 7U with no edge margins. Four columns of width 1U and three inter-column gaps of width 1U fill the 7U width, with the outer columns flush to the facade edges. Three steps of height 1U each sit below the columns, with equal inward offsets. The column height is derived from the total: 7U total height minus 3U for the steps minus 1U for the roof base band minus 1U for the roof profile equals 2U for the columns. The roof base sits 1U above the column tops, and the roof profile rises 1U above the roof base, symmetric about the centerline.

Reason: The width arithmetic is 4 columns times 1U plus 3 inter-column gaps times 1U equals 7U, with no edge margins. For height, start with the 7U total: subtract 3U for the three steps, leaving 4U. Subtract 1U for the roof base band and 1U for the roof profile, leaving 2U for the columns. Check the vertical sum: 3U steps plus 2U columns plus 1U roof base band plus 1U roof profile equals 7U. The roof base placement is one unit above the column tops, and the roof profile fits inside the frame.

Check: Measure the facade width and confirm it equals 7U. Count four columns and three inter-column gaps, each 1U, with the outer columns flush to the facade edges. Measure total step height as 3U, column height as 2U, the roof base band as 1U, and the roof profile as 1U; add them and confirm 7U. Measure roof corner distances from the centerline and confirm they match.