Facade Symmetry Drawing: Axis and Paired Features

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.

Facade Symmetry Drawing: Axis and Paired Features

Worked example / complete source key

A facade outline is 20 cm wide and 15 cm tall, centered on a vertical axis. Place one pair of windows with centers 6 cm from the axis and 10 cm above the bottom line. Place one pair of columns with centers 9 cm from the axis and 2 cm above the bottom line. Describe the marks and check the symmetry.

Answer: The axis is at the center, so the left and right edges are 10 cm from the axis. The left window center is 6 cm left of the axis at height 10 cm; the right window center is 6 cm right of the axis at the same height. The left column center is 9 cm left of the axis at height 2 cm; the right column center is 9 cm right at the same height. Check: each pair has equal horizontal distances from the axis and equal heights, so the layout is symmetric.