Block Lettering on Graph Paper: Grid-Aligned Letters and Spacing

Original worked example / unchanged complete key

Prompt: Plan the word CAT on graph paper using a letter height of 5 squares, a stroke thickness of 1 square, letter widths of 3 squares each, and a gap of 1 square between letters. Find the total word width in squares.

Answer: Three letters of width 3 give 9 squares. Two gaps of 1 square give 2 squares. Total word width is 9 + 2 = 11 squares. Each letter is drawn 5 squares tall with a 1-square stroke, and every edge sits on a grid line. The exact square pattern for C and A may vary as long as height, width, stroke thickness, and grid alignment are consistent.