Scorpio Drawing: Glyph Strokes and Constellation Layout

Original tasks 1, 2 / independent work

Task 1

A glyph panel is 80 mm wide and 80 mm high. The x-height is 20 mm. You choose a stem height of 45 mm, a hook extension of 30 mm, and a crossbar length of 12 mm. Check each value against the convention ranges and state whether the glyph is valid.

Task 2

In a constellation panel 120 mm wide and 80 mm high, place stars A at (10 mm, 10 mm), B at (50 mm, 10 mm), C at (50 mm, 40 mm), D at (30 mm, 70 mm), and E at (10 mm, 70 mm), measuring from the bottom left corner. Connect A-B, B-C, C-D, and D-E. Check whether all stars are inside a 5 mm border and whether any lines cross.

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Original tasks 3, 4 / independent work

Task 3

A practice panel has a baseline and midline 18 mm apart. You draw a glyph with stem height 36 mm and hook extension 20 mm. Later you measure the crossbar length as 8 mm. Check whether the glyph meets the convention ranges and state one adjustment if needed.

Task 4

You want to draw a constellation chain with five stars in a panel 100 mm wide and 60 mm high. You choose star distances A-B = 25 mm, B-C = 30 mm, C-D = 20 mm, and D-E = 35 mm. Check whether each distance is within the example range of 10 mm to 40 mm and whether the total chain length could fit if drawn in a straight line.