Graffiti on a Broken Brick Wall: Drawing Letters, Cracks, and Rubble

Original tasks 1, 2 / independent work

Task 1

A wall rectangle is 20 cm wide and 12 cm high. Horizontal course lines are spaced every 3 cm. How many horizontal course lines fit inside the wall if the top and bottom edges count as lines?

Task 2

A placement box is 9 cm wide and 3.5 cm high. You state an x-height of 2 cm from baseline to midline. If the baseline sits on a course line and the midline is 2 cm above it, does the tag fit inside the box height?

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Original tasks 3, 4 / independent work

Task 3

A main crack starts at the top edge and changes direction at two brick joints before tapering at the base. If the wall has four horizontal course lines between top and bottom, at which lines could the crack change direction?

Task 4

You place seven rubble pieces along the bottom edge. Three are 1 cm wide, two are 2 cm wide, and two are 3 cm wide. What is the total width if the pieces do not overlap?