Archaeological Field Drawing: Strata, In-Situ Artifacts, and Scale

Original tasks 1, 2 / independent work

Task 1

At 1:10, a scale bar has four equal segments of 1.5 cm on paper. What real length does each segment represent, and what total length does the bar show? Use centimeters.

Task 2

A drawing shows Layer A from the top frame edge to 3 cm down, Layer B from 3 cm to 7 cm down, and Layer C from 7 cm to the bottom at 10 cm. At 1:20, what real thickness does each layer represent?

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Original tasks 3, 4 / independent work

Task 3

An artifact outline is drawn 5 cm from the left frame edge and 4 cm below the top frame edge. Layer B begins 3 cm below the top edge. At 1:20, is the artifact inside Layer B, and what are its real distances from the left and top edges?

Task 4

A scale bar is drawn with three segments labeled 0, 30, and 60 cm, but the paper segments measure 1.2 cm, 1.5 cm, and 1.8 cm. Is the bar consistent at 1:20? Explain and give a corrected equal segment length in centimeters on paper.