Draw a Tombstone with Rounded Top and Engraved Lettering

Original tasks 1, 2 / independent work

Task 1

A tombstone is 8 cm wide and 14 cm tall. The arc zone is 4 cm and the base margin is 2 cm. Find the lettering zone height and the arc radius.

Task 2

An inscription has 5 capital letters. Each letter is 1.2 cm wide and each gap is 0.4 cm. The stone width is 9 cm. Find the total inscription width and the equal side margins.

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Original tasks 3, 4 / independent work

Task 3

A stone is 10 cm wide. The cap height is 2 cm and the x-height is 1.4 cm. The lettering zone is 10 cm tall. If the baseline sits 2 cm above the bottom of the lettering zone, how much space remains above the cap line?

Task 4

A tombstone is 11 cm wide and 17 cm tall. The arc zone is 5.5 cm and the base margin is 1.5 cm. The inscription has 4 letters of 1.5 cm each with 0.5 cm gaps. Find the lettering zone height, the inscription width, and the side margins.