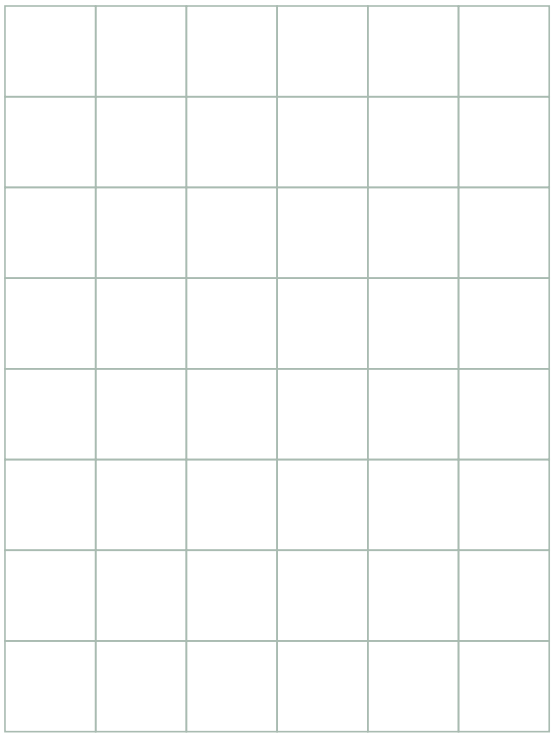
Grid Tooth Drawing: Silhouette and Shading Exercises

Task 1 / square-cell layout example

Task 1: 6 columns x 8 rows; one character per square cell.

Schematic cell size; task does not specify physical cell dimensions.



Reading-direction example: down each column, with columns ordered from right to left. Empty cells are deliberate: supply your own characters, one per cell.

Grid Tooth Drawing: Silhouette and Shading Exercises

Original tasks 1, 2 / independent work

Task 1

Plot a tooth on a 6 by 8 unit grid. The crown is the top 4 units, the neck is 4 units wide, and the two roots taper to 0.5 units each at the bottom. Describe where you place the top curve start and end, the widest crown points, and the root tips.

Task 2

A tooth outline is 6 units wide at the crown and 5 units wide at the neck. The roots are 2 units wide total at the top and taper to 1 unit total at the tips. Is this consistent with the lesson convention? Explain one adjustment.

Grid Tooth Drawing: Silhouette and Shading Exercises

Original tasks 3, 4 / independent work

Task 3

You shade a tooth with light from the upper left. You apply dark tone on the left side and light tone on the right side. What is wrong, and how do you fix it without redrawing the outline?

Task 4

On a 6 by 8 unit grid, the crown occupies the top 4 units and the roots occupy the bottom 4 units. You want the roots to be 1.5 units wide each at the top with a 0.5-unit gap. How many units wide is the root section at the top, and does it fit inside the 6-unit width?