Draw a Pie: Crust, Filling, and Slice Construction

Original tasks 1, 2 / independent work

Task 1

A dish ellipse has a major axis of 10 cm and a minor axis of 3 cm. The rim width is 0.4 cm. Calculate the outer rim major and minor axis lengths.

Task 2

A pie is cut into a wedge of 90 degrees. If the dish major axis is 12 cm and the minor axis is 4 cm, describe how to mark the two radii and check the wedge angle using the center point.

Draw a Pie: Crust, Filling, and Slice Construction

Original tasks 3, 4 / independent work

Task 3

On a cut face, the bottom crust is 0.3 cm thick, the filling band is 2.0 cm thick, and the top crust is 0.4 cm thick. What is the total cut-face height, and what is the ratio of filling to total height?

Task 4

A crimped rim has 12 equal segments. If the outer rim perimeter is estimated as 30 cm, what is the approximate arc length per segment? State one adjustment if the scallops look too wide.