Metal Ellipse Drawing: Reflection, Highlight, and Shading

Original tasks 1, 2 / independent work

Task 1

A metal ellipse is drawn in a bounding box 8 cm wide and 5 cm high as a hypothetical example. Light comes from the left. Describe where the highlight, the darkest reflection band, and the cast shadow should be placed.

Task 2

An ellipse has a highlight in the upper-left quadrant. A student draws the darkest reflection band in the upper-left quadrant as well. Explain the error and give a corrected placement.

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Original tasks 3, 4 / independent work

Task 3

A metal ellipse rests on a table with light from above. The cast shadow is drawn directly underneath the ellipse and is very short. Describe how to improve the cast shadow using a hypothetical light angle of 45 degrees from the upper left.

Task 4

You are drawing a metal ellipse with three reflection bands. The band nearest the highlight is mid-value, the center band is lightest, and the far band is darkest. Identify the value-order mistake and state the correct order.