Circle, Center Line, and Tilt: Constructing Faces in Perspective

Original tasks 1, 2 / independent work

Task 1

An upright circle has diameter 10 cm. The eye line is at the center. Where is the nose base if it is halfway between the eye line and the bottom of the circle? Give the distance below the eye line.

Task 2

A head is tilted 20 degrees to the left. The vertical center line is rotated counterclockwise by 20 degrees. If the eye line was horizontal before tilting, what is its angle relative to the page's horizontal edge after tilting?

Circle, Center Line, and Tilt: Constructing Faces in Perspective

Original tasks 3, 4 / independent work

Task 3

On an upright head with circle diameter 12 cm, the mouth line is one-third of the way from the nose base to the bottom of the circle. The nose base is halfway between the eye line and the bottom. How far below the eye line is the mouth line?

Task 4

A tilted head has its vertical center line rotated 15 degrees clockwise. The nose base is marked 2 cm along the rotated vertical line below the eye line. Describe how to check that the nose base lies on the vertical center line.