Snout Perspective Drawing: Foreshortened Planes and Nostril Placement

Original tasks 1, 2 / independent work

Task 1

A front face is 60 mm wide and 36 mm high. The stated taper ratio is 0.75. Calculate the next cross-section width and height, and state where the nostril centers go under the 3 by 3 grid convention.

Task 2

A drawing shows a front face 40 mm wide and a next cross-section 34 mm wide. The stated ratio is 0.8. Is the drawing consistent with the stated ratio, and what is the measured ratio?

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Original tasks 3, 4 / independent work

Task 3

A front face is 30 mm wide and 24 mm high. Using the 3 by 3 grid convention, give the grid cell dimensions and a hypothetical nostril oval size that fits inside one cell.

Task 4

A muzzle box has a front face 50 mm wide and 30 mm high, a taper ratio of 0.6, and a vanishing direction down and to the right. Give the next cross-section dimensions and describe how the side plane should appear.