Isometric Headgear Drawing: Shell, Straps and Buckle Axes

Original tasks 1, 2 / independent work

Task 1

An axis box is 4 units wide, 4 units deep and 3 units high. A side strap starts at the lower shell ellipse and runs 1 unit down. How many grid steps long is the strap, and which axis is it parallel to?

Task 2

A buckle is drawn as a rectangle 2 steps along the left diagonal and 1 step along the vertical. What are its two edge lengths in grid units, and which axes do they follow?

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Original tasks 3, 4 / independent work

Task 3

A chin loop hangs 2 units below the shell. The shell centre is 3 units above the base of the axis box. At what height above the base is the bottom of the chin loop?

Task 4

A front strap band is 1 unit wide and crosses a flat front face 4 units tall. If the band is centred, how many units of flat face remain above and below it?