Isometric Headgear Drawing: Shell, Straps and Buckle Axes

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

Using a 6 by 6 by 5 unit axis box, describe how to place a side strap that runs 2 units down from the lower shell ellipse and a buckle 2 steps long by 1 step high at its lower end.

Answer: Mark the attachment point on the lower ellipse, draw the strap downward parallel to the vertical axis for 2 units, then draw the buckle rectangle with its long edge along the diagonal axis spanning 2 steps and its short edge vertical spanning 1 step. Check that the strap and buckle share the same junction point and that all counts use the same grid unit.