Isometric Camera Drawing: Body, Lens, and Button Placement

Original task 1 / independent drawing and calculation

Task 1

Draw an isometric camera body 5 units wide, 3 units tall, and 2 units deep using a unit of 8 mm. Add a lens centered on the front face with diameter 2 units and projection 1 unit.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 2 / independent drawing and calculation

Task 2

Place two buttons on the top face of a camera body that is 6 units wide and 2 units deep. Button A is 1 unit from the left and 1 unit from the front. Button B is 4 units from the left and 1 unit from the front. Use a button diameter of 0.6 units and a unit of 10 mm.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Isometric Camera Drawing: Body, Lens, and Button Placement

Original task 3 / independent drawing and calculation

Task 3

A camera body is 4 units wide, 3 units tall, and 1.5 units deep. The lens diameter is 2 units and its projection is 1 unit. Using a unit of 12 mm, state the front face dimensions, the lens guide size, and the lens projection in millimetres.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Isometric Camera Drawing: Body, Lens, and Button Placement

Original task 4 / independent drawing and calculation

Task 4

Draw a camera body 6 units wide, 4 units tall, and 2 units deep. Add a lens of diameter 3 units centered on the front face with projection 1.5 units. Place a shutter button on the top face 1 unit from the left and 1 unit from the front, diameter 0.8 units. Use a unit of 10 mm and list all millimetre dimensions.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.