Isometric Sports Car Body Drawing: Axes, Wheel Arches, and Body Planes

Original tasks 1, 2 / independent work

Task 1

A car body is 40 units long with a 20-unit wheelbase. If the front axle is 10 units from the front, how far is the rear axle from the rear?

Task 2

On an isometric side plane, a wheel arch ellipse has a major axis of 14 units and a minor axis of 9 units. A wheel drawn inside has a diameter of 11 units. Is the wheel smaller than the arch opening in both directions?

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Original tasks 3, 4 / independent work

Task 3

A cabin box is 16 units long, 12 units wide, and 6 units high. The lower hull is 18 units wide. If the cabin is centered on the width axis, how much hull width remains on each side?

Task 4

A windshield top edge is shifted back 5 units along the length axis from a base position. If the cabin length is 16 units and the windshield base is 4 units from the cabin front, what is the remaining roof length along the length axis?