Cadillac Drawing: Body Proportions and Wheel Placement

Original tasks 1, 2 / independent work

Task 1

A side-view drawing uses a wheel diameter of 3 cm. The body length is 16.5 cm and the wheelbase is 10.5 cm. Convert both to wheel-diameter units and state whether they are within the starting ranges.

Task 2

A drawing has a wheel diameter of 2.5 cm and a roof height of 8 cm above the ground. Convert the roof height to units and decide whether it is too tall, too low, or within the starting range.

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Original tasks 3, 4 / independent work

Task 3

A side-view Cadillac drawing has a wheelbase of 9 cm and a wheel diameter of 2.4 cm. The front wheel center is 4 cm from the front body limit. Convert the wheelbase and the front overhang to units and check whether the front overhang is plausible for a Cadillac-style sedan.

Task 4

A drawing uses a wheel diameter of 2 cm. The beltline is 3.6 cm above the ground and the roof height is 5.8 cm above the ground. Convert both to units and state whether the cabin height between beltline and roof is reasonable.