Cadillac Drawing: Body Proportions and Wheel Placement

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.

Cadillac Drawing: Body Proportions and Wheel Placement

Worked example / complete source key

A side-view Cadillac drawing uses a wheel diameter of 2 cm. The body length is 11 cm, the wheelbase is 7.5 cm, the roof height is 5.5 cm, and the beltline is 3.2 cm above the ground. Check the proportions in wheel-diameter units and state whether they are reasonable starting values.

Answer: Body length is 11 ÷ 2 = 5.5 units. Wheelbase is 7.5 ÷ 2 = 3.75 units. Roof height is 5.5 ÷ 2 = 2.75 units. Beltline is 3.2 ÷ 2 = 1.6 units. These values fall within the starting ranges: length about 5.5 to 6 units, wheelbase about 3.5 to 4 units, roof height about 2.5 to 3 units, and beltline about 1.5 to 1.8 units. The proportions are reasonable for a Cadillac-style sedan drawing.