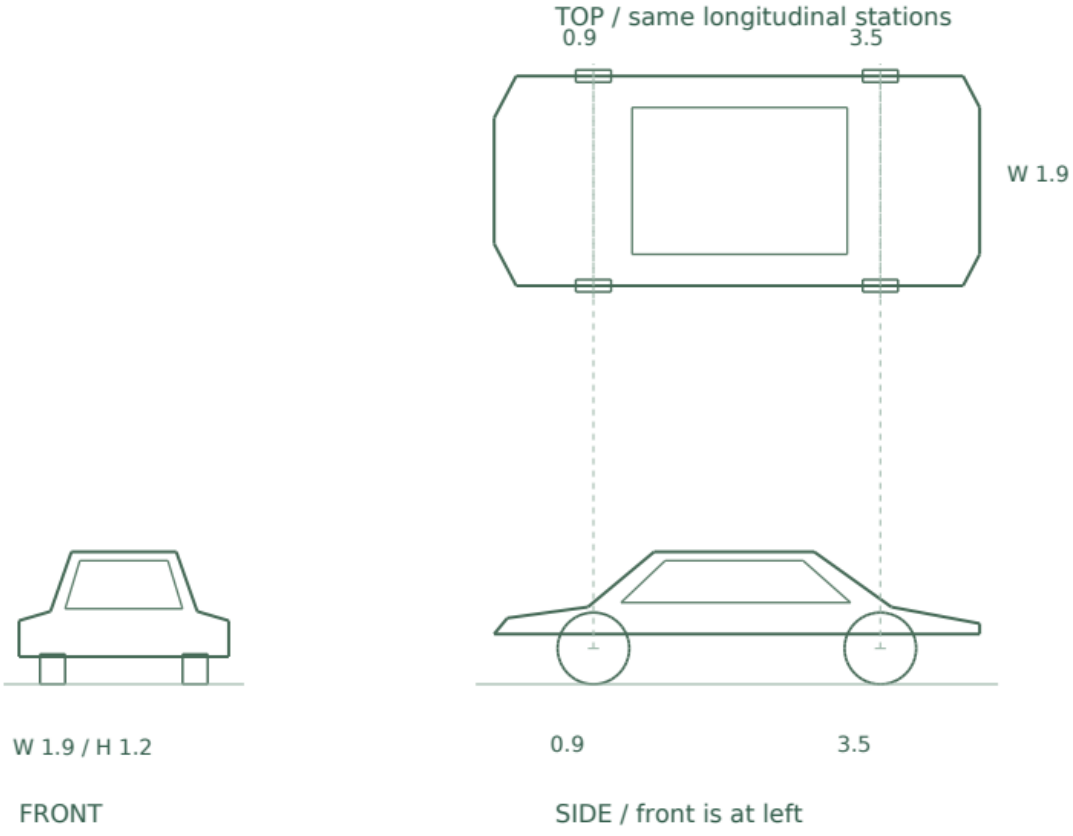
Orthographic Car Drawing: Front, Side, and Top Views

Ordinary topic reference / separately checked pixels



Orthographic Car Drawing: Front, Side, and Top Views

Original worked example / unchanged complete key

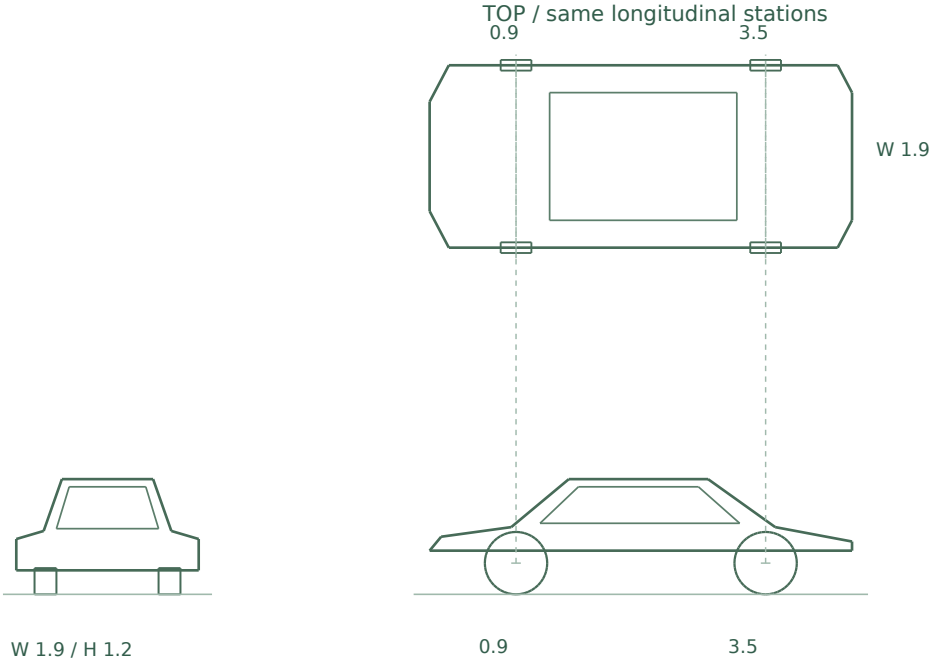
Prompt: A generic sports car has length 4.4 units, width 1.9 units, height 1.2 units, wheel diameter 0.65 units, and wheelbase 2.6 units. The front wheel center is 0.9 units from the front bumper. In the side view, the front wheel center is at 0.9 units and the rear wheel center is at 3.5 units from the front. Verify that the wheelbase is correct and state where the rear wheel center appears in the top view.

Answer: Wheelbase = rear wheel center minus front wheel center = 3.5 - 0.9 = 2.6 units, which matches the given wheelbase. In the top view, the rear wheel center appears at 3.5 units from the front edge of the body outline, measured along the length. The front wheel center appears at 0.9 units from the front edge. Both positions must align vertically with the side view wheel centers.

Orthographic Car Drawing: Front, Side, and Top Views

Worked reference / reference

Generic car orthographic checks / 1 coordinate unit = 12.7 mm on this diagram



Wheelbase = 3.5 - 0.9 = 2.6 units. Rear wheel station transfers unchanged into the top view.