

Answer on Question 49596, Physics, Mechanics | Kinematics | Dynamics

Question:

If your car travels 70km/hr, how many km will you go in 1 hour and 45 minutes?

Solution:

By the definition of speed we have:

$$v = \frac{s}{t}.$$

Thus, the distance travelled by the car is $s = vt = 70 \frac{km}{h} \cdot 1.75h = 122.5km$.

Answer:

The car goes 122.5 km in 1 hour and 45 minutes.