

Answer on Question #45249, Physics, Mechanics | Kinematics | Dynamics

A truck cover a distance of 360 km in 5 hours . Find its speed in meter per second.

Solution:

Step 1. 1 km = 1000 m

Step 2. 360 km / 5 hour = 72 km/hour

Step 3. 1 hour = 60 minutes = 3600 sec

Step 4. 72 km/hour = $72 \times 1000 \text{ m} / 3600 \text{ sec} = 20 \text{ m/sec}$

Answer: 20 m/sec