

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. $1 \text{ km} = 1000 \text{ m}$

Step 2. $360 \text{ km} / 5 \text{ hour} = 72 \text{ km/hour}$

Step 3. $1 \text{ hour} = 60 \text{ minutes} = 3600 \text{ sec}$

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

Answer: 20 m/sec