## Answer on Question \#51960, Physics, Other

Task: A man leaves the garage in his house and drives to a neighbouring town which is twenty kilometers away from his house on sight-seeing. He returns home to his garage two hours after. What is his average velocity from home in $\mathrm{km} / \mathrm{h}$

## Solution:

average velocity $=$ total distance traveled / total time taken.
total time taken $=2$ hours
total distance traveled $=($ distance from his house to a neighbouring town)+( distance from a neighbouring town to his house) $=20+20=40 \mathrm{~km}$.

So average velocity $=40 / 2=20 \mathrm{~km} / \mathrm{h}$

