

Question #85040— Physics — Mechanics | Relativity

Noah rides his bike 48 miles in 4 hours. What is his average speed in miles per hour?

Solution

Definition of the average speed is

$$v_{av} = \frac{S}{t},$$

where S -total distance, t -time interval.

In our case $S=48$ miles and $t= 4$ hours. So the average speed

$$v_{av} = \frac{48 \text{ mi}}{4 \text{ h}} = 12 \text{ mi/h}$$

Answer: The average speed is 12 miles per hour

Answer provided by <https://www.AssignmentExpert.com>