

$\left[\begin{array}{l} 1 \text{ MPH for } 10 \text{ HRS} \\ 60 \text{ MPH for } 1 \text{ HR} \end{array} \right]$

→ ?? AVG SPEED

" 6.36 MPH

WHAT'S THE AVERAGE SPEED?

WHAT'S AVERAGE SPEED/VELOCITY?

$$\frac{\text{TOTAL DISTANCE}}{\text{TOTAL TIME}}$$

$$\begin{aligned}
 D &= 1 \text{ MPH} \cdot 10 \text{ HRS} = 10 \text{ Miles} \\
 D &= 60 \text{ MPH} \cdot 1 \text{ hr} = 60 \text{ miles} \\
 \hline
 &= \frac{70 \text{ miles}}{11 \text{ HRS}} = \frac{\text{Total Distance}}{\text{Total Time}} \\
 &= \text{Average Velocity} \\
 &= 6.36 \text{ MPH}
 \end{aligned}$$