Average Speed
Average Speed

- the total distance covered by an object divided by the total time of travel
Distance
• is the amount of change of position
Time

- period or interval between two related events.
Average Speed Formula

Average Speed = \frac{\text{Total Distance}}{\text{Total Time}}
A bicycle travels 60km in 2 hours then 10km in 1 hour. What is the average speed for the entire trip?

**Total Distance** = 60km + 10km = 70km

**Total Time** = 2hr + 1hr = 3 hours

**AVERAGE SPEED** = \[
\frac{\text{Total Distance}}{\text{Total Time}} = \frac{70\text{km}}{3\text{hrs}} = 23.3\text{km/h}
\]
Review...

• **Average speed**: the total distance covered by an object divided by the total time of travel. \( (v_{\text{avg}}) \)

• **Distance**: the amount of change of position. \( (d) \)

• **Time**: period or interval between two related events. \( (t) \)