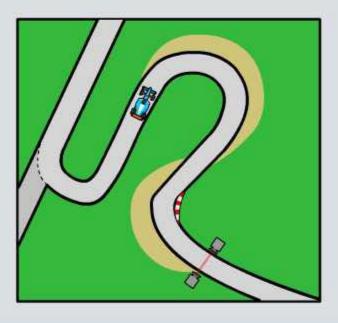




## Average and Instantaneous Speed

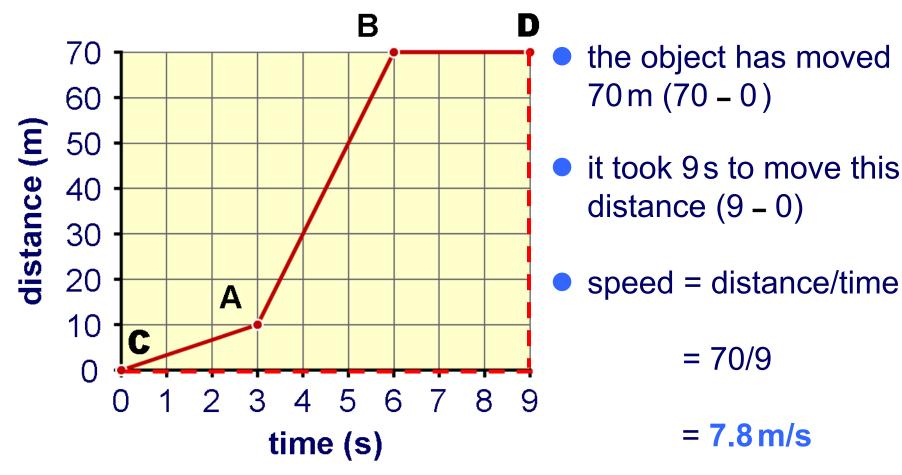




## What's the speed?



How can we find the average speed of this object between points **C** and **D**?





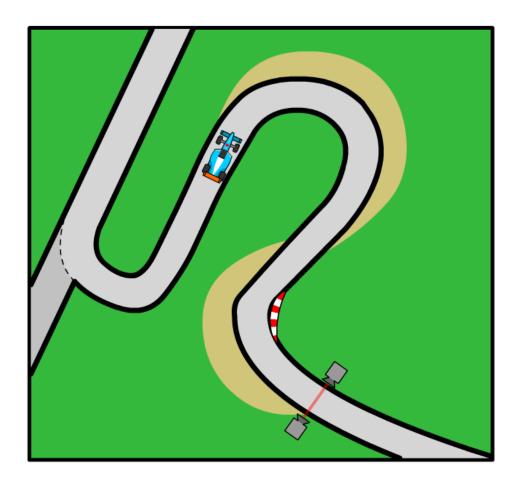


## Average speed vs. instantaneous speed



The speed of a race car at any point around a track is called the **instantaneous speed**. A car will have a different instantaneous speed at each of the points around the track.

Average speed is the total distance traveled divided by the total time taken. It is never bigger than the instantaneous speed.





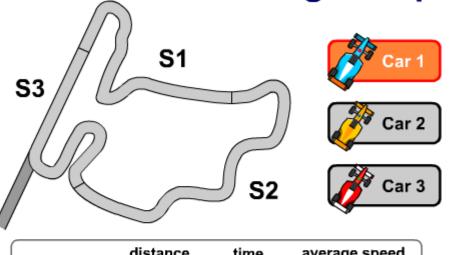


## **Calculating average speeds**

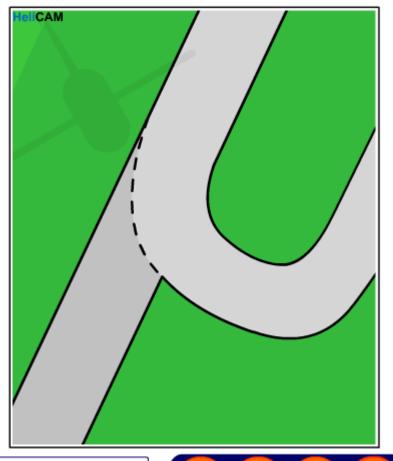








	distance	time	average speed
Sector 1	<b>2.5</b> km	00:00	<b>?</b> km/hr
Sector 2	<b>3</b> km	00:00	? km/hr
Sector 3	<b>1.5</b> km	00:00	? km/hr
Whole lap	<b>7</b> km	00:00	? km/hr



?



