

Distance-time graph

Name

time (s)	distance (m)
0	0
1	5
2	20
3	45
4	80
5	125
6	180
7	245
8	320

1. Plot a graph of distance against time
2. Calculate the average speed over the whole 8 seconds.
3. Calculate the instantaneous speed at
a) 2 seconds
b) 6 seconds

Extension: what is the car's acceleration?
What would a speed-time graph of this motion look like?

