1 Recall the equation linking **distance**, speed & time

2 What are the units for **a) speed b) distance c) time**

3 A car travels 500m in 15s. Calculate:

a) the average speed of the vehicle in m/s

b) how far (in metres) the car travels if it travelled a this speed for 6,600s?

c) how long (in seconds) would it take to travel a distance of 9,000 m at this speed?

4 A car travels 7 km in 8 minutes. Calculate:

a) the average speed of the vehicle in m/s

b) how far (km) the car travels if it travelled a this speed for 1,200s?

c) how long (minutes) would it take to travel a distance of 5 km at this speed?

5 Use the data in the table below to draw a distance vs time graph

Distance (m)	0	100	200	300	500	700	600
Time (s)	0	10	20	30	40	50	60

6 Rearrange the equation for speed

7 Use the data to identify:

a) How far the car travelled between 0 s & 60 s

b) The time it took for the car to travel from 200 m to 700 m

8 Use the gradients on the graph to:

a) Calculate the speed of the car in the first 30 seconds

b) Calculate the speed of the car between 30 & 60 seconds