

1 A plane travels at a speed of 213 miles per hour.

(a) Work out an estimate for the number of seconds the plane takes to travel 1 mile.

..... seconds  
(3)

(b) Is your answer to part (a) an underestimate or an overestimate?  
Give a reason for your answer.

.....  
.....  
(1)

**(Total for Question is 4 marks)**

- 2 Nimer was driving to a hotel.  
He looked at his Sat Nav at 13 30

Time	13 30
Distance to destination	65 miles

Nimer arrived at the hotel at 14 48

Work out the average speed of the car from 13 30 to 14 48  
You must show all your working.

..... mph

**(Total for Question is 4 marks)**

- 3** Andy cycles a distance of 30 km at an average speed of 24 km/h.  
He then runs a distance of 12 km at an average speed of 8 km/h.

Work out the total time Andy takes.  
Give your answer in hours and minutes.

..... hours ..... minutes

**(Total for Question is 3 marks)**