Basic Speed/Distance/Time – www.m4ths.com

(1) A car travels at 30mph for 3 hours. Find the distance it travels

(2) A car travels 135 miles in 3 hours. Find the average speed of the car.

(3) A car travels 175 miles at an average speed of 25mph. Find how long the journey took.

(4) Fred leaves his house at 1pm. He travels 153 miles to work at a speed of 51 miles an hour. What time does he get to work?

(5) Jane is travelling 74km and needs to be at work for 2pm. If she leaves at midday what speed will she have to average?

(6) A car travels at 56mph for 2 hours and 15 minutes. Find the distance it travels.

(7) A lorry travels 76.8 miles in 4 hours and 30 minutes. Find the average speed of the lorry to one decimal place.

(8) Janet travels 40 miles at an average speed of 30mph. Find how long her journey took in hours and minutes. (Remember the button on your calculator!).

(9) A car travels from A to B at a speed of 20mph. It then travels from B to C at a speed of 30mph.

A to B = 80 miles

B to C = 75 miles

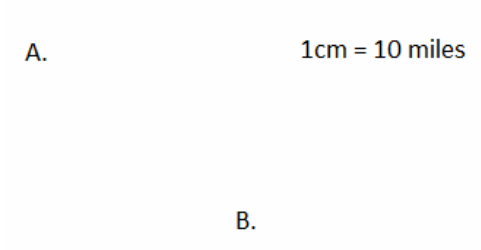
(a) Find the **total** time taken to travel from A to C.

(b) Find the average speed from A to C.

(10) Freda needs to be at work for 11am. Given that her drive is 56 miles and she can average 24mph, find the latest time she can leave to make sure she gets to work on time.

(11) A car travels 136 miles in 6 hours and 20 minutes. Find the average speed of the car to 1decimal place.

(12) The diagram below shows two towns.



James can travel at 16mph. Find out how long it would take him to drive from A to B.

(13) Bob travels P Miles in Q Minutes. Find an expression for the time it takes him to make the journey in terms of P and Q.