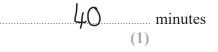
1. This is part of a bus timetable between Bury and Manchester.

	BUS I	Bus 2				
Bury	0825	0855	0915	0930	0945	1005
Whitefield	0834	0904	0924	0939	09 54	1014
Heaton Park	0846	0916	0936	0951	1006	1027
Cheetham	08 56	0926	0946	1001	1016	1037
Manchester	0905	0935	0955	1010	1025	1048

(a) How many minutes should the 0825 bus take to go from Bury to Manchester?



Daniel goes from Whitefield to Manchester by bus.

Daniel takes 17 minutes to get from his house to the bus stop in Whitefield. He takes 15 minutes to get from the bus stop in Manchester to work.

Daniel has to get to work by 10 am. He leaves his house at 8.45 am.

(b) Does Daniel get to work by 10 am? You must show all your working.

Bury	0825	08 55	0915	0930	0945	1005
Whitefield	0834	0904	0924	0939	09 54	1014
Heaton Park	0846	0916	0936	0951	1006	1027
Cheetham	0856	0926	0946	1001	1016	1037
Manchester	0905	0935	0955	1010	1025	1048

When does he get to whitefield?

$$08:45 + 17 \text{minutes} = 09:02$$

leavesnome

house → bus stop

As he reaches the stop at 09:02, the earliest bus he can catch is at 09:04. This arrives at Manchester at 09:35 (1)

09:35 + 15 minutes = 09:50 T arrives at Manchester Manchester Manchester Manchester Work

Which is before 10 am, 50 yes he does get to work before 10 am. (1)

(3)

(Total for Question is 4 marks)

Edexcel Maths GCSE - Time (F)

2. Here is the charge at a car park in Spain. Car park 0.024 euros per minute Jon parked his car in this car park. Jon drove into the car park at 1045 When he drove out of the car park he had to pay 8.40 euros. At what time did Jon drive out of the car park? How many minutes is 8.40 euros? $\frac{8.40}{0.024} = 350$ minutes 10:45 + 350 minutes11:00 + 335 minutes11:00 + 5 hrs 35 minutes $335}_{60} = 5.583 \text{ hours}$ 16:00 + 35 minutes 16:35 (1)