## Multi Mark 6

**1.** Laura has her own car.

**During April** 

- Laura drove a total distance of 560 miles in her car.
- Her car's fuel consumption was 37-8 mpg (miles per gallon).
- Petrol cost £1.48 per litre.

(a)	You will be assessed on the quality of your written communication in this part of the question.  Given that 1 gallon is approximately 4.55 litres, calculate the cost of the petrol that Laura used during April.  You must show all your working.
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	Laura spent 10 hours 45 minutes driving during April.  Calculate the average speed of Laura's car for the distance driven during April.  Give your answer in miles per hour.			
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(ii)	Select which of the following best describes the roads on which Laura travelled during April.			
	You must give a reason for your answer.			
	A:	Mainly small narrow country lanes		
	B: C:	Mainly inner city roads with lots of traffic lights Mainly motorways and dual carriageways		
	D:	Mainly steep mountain routes with many sharp bends		
	<b>E</b> :	Mainly roads with speed limits of 30 mph		
	Reason:			

2.

You will be assessed on the quality of your written communication in this question.

Thomas bought 30 webcams at £22 each and 120 USB drives at £50 each to sell in his shop. He made 50% profit on the sale of each webcam.

Thomas sold all his stock of webcams and USB drives.

In total, his takings from the sales of webcams and USB drives was £7590.

Calculate the percentage profit he made on the sale of the USB drives.

[7]