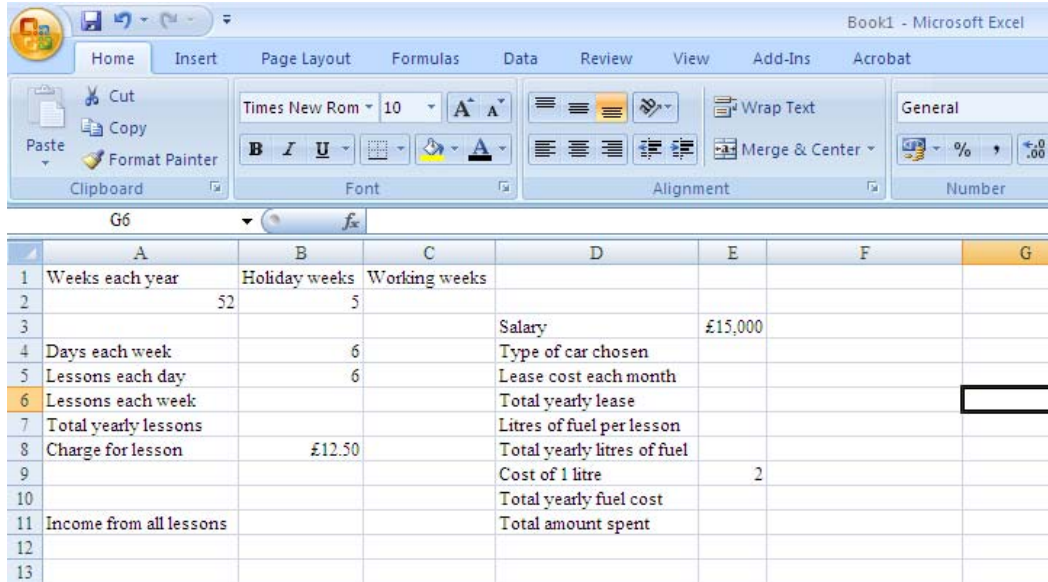


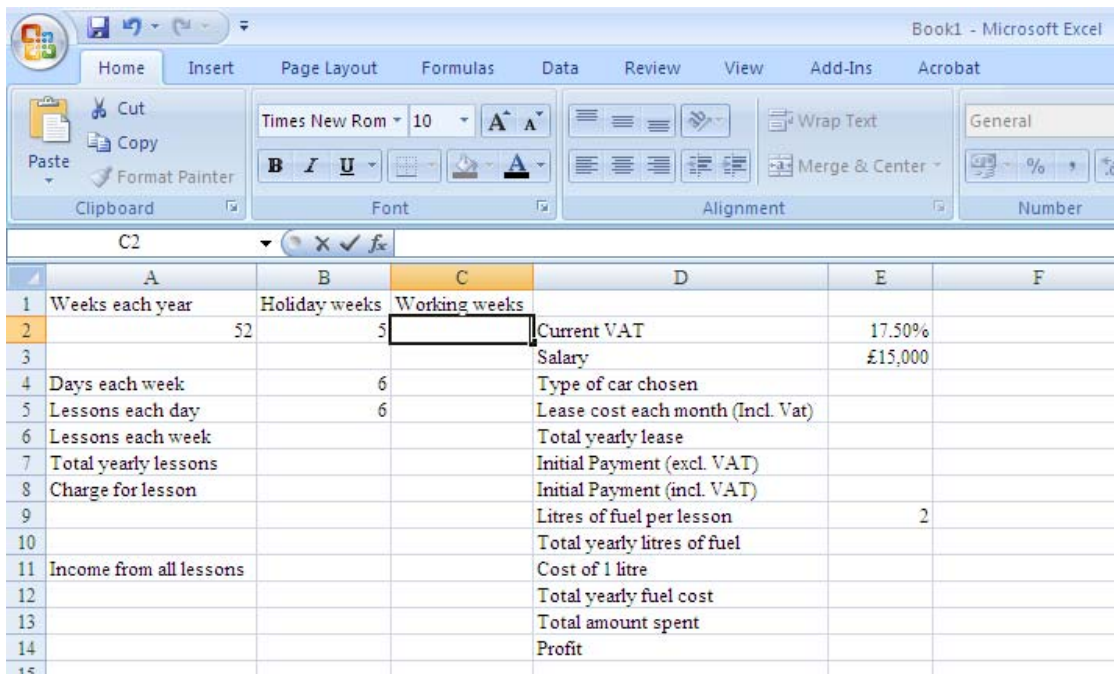
## Task 3 Excel Profit Spreadsheet

### Implementation of Spreadsheet



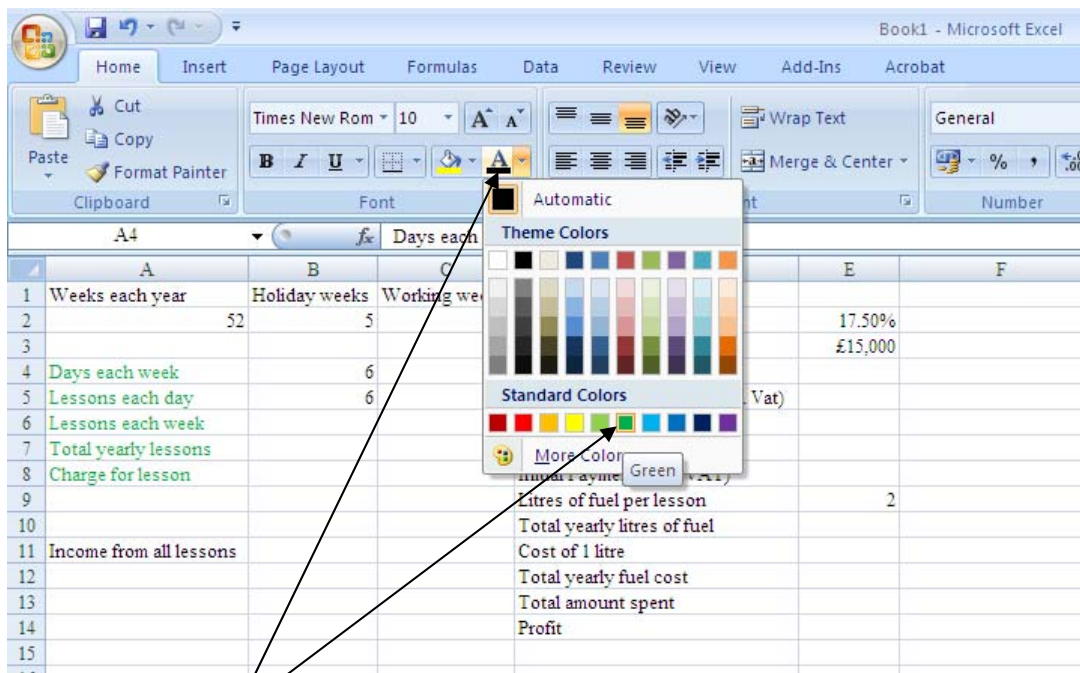
	A	B	C	D	E	F	G
1	Weeks each year	Holiday weeks	Working weeks				
2		52	5				
3				Salary	£15,000		
4	Days each week		6	Type of car chosen			
5	Lessons each day		6	Lease cost each month			
6	Lessons each week			Total yearly lease			
7	Total yearly lessons			Litres of fuel per lesson			
8	Charge for lesson	£12.50		Total yearly litres of fuel			
9				Cost of 1 litre	2		
10				Total yearly fuel cost			
11	Income from all lessons			Total amount spent			
12							
13							

Here I typed in all the headings and text labels with the information provided information and add the numbers that Anna provided



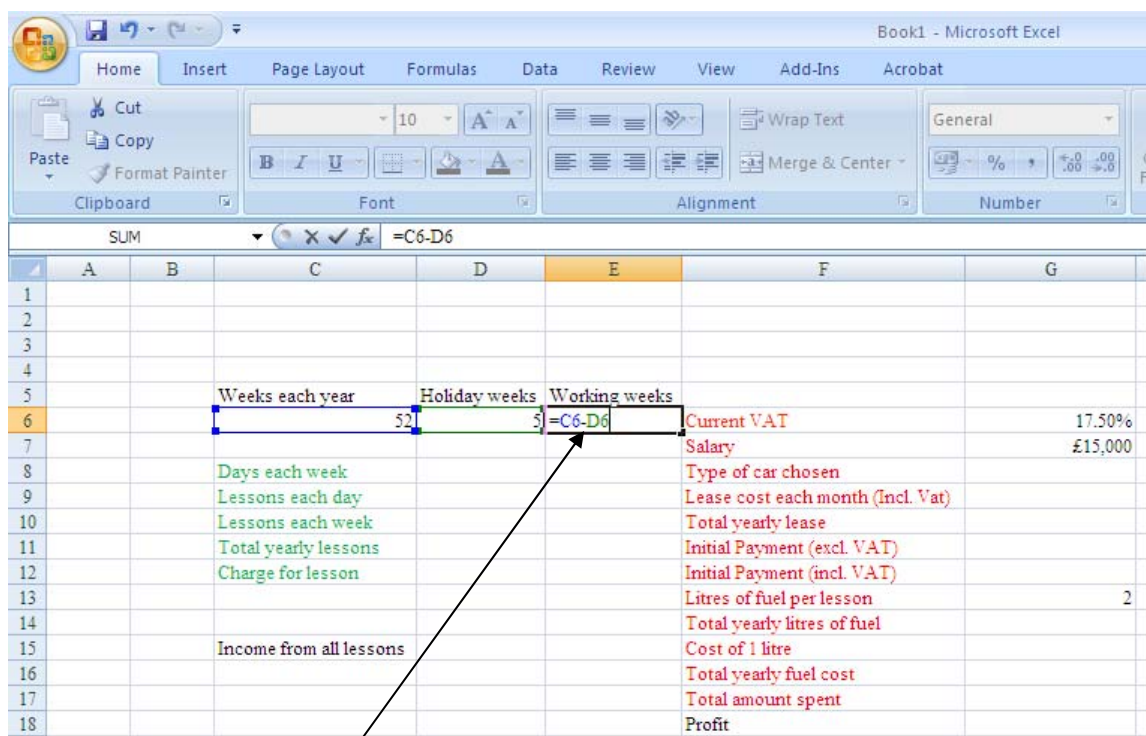
	A	B	C	D	E	F
1	Weeks each year	Holiday weeks	Working weeks			
2		52	5	Current VAT	17.50%	
3				Salary	£15,000	
4	Days each week		6	Type of car chosen		
5	Lessons each day		6	Lease cost each month (Incl. Vat)		
6	Lessons each week			Total yearly lease		
7	Total yearly lessons			Initial Payment (excl. VAT)		
8	Charge for lesson			Initial Payment (incl. VAT)		
9				Litres of fuel per lesson	2	
10				Total yearly litres of fuel		
11	Income from all lessons			Cost of 1 litre		
12				Total yearly fuel cost		
13				Total amount spent		
14				Profit		
15						

Then I added some extra text labels so the model provides more relevant information about helping Anna make a profit



I changed the colour of the font to show Anna which labels influenced the income from the lessons

I then did the same thing but red not green to show which ones influence the amount spent (the labels on the right)



I used a formula ( $=C6-D6$ ) to work out how many weeks Anna spends working by minus (-) weeks each year by the weeks Anna spends on holiday

	A	B	C	D	E	F	G	
1								
2								
3								
4								
5			Weeks each year	Holiday weeks	Working weeks			
6				52	5	47	Current VAT	17.50%
7							Salary	£15,000
8			Days each week	6			Type of car chosen	
9			Lessons each day	6			Lease cost each month (incl. Vat)	
10			Lessons each week	=D8*D9			Total yearly lease	
11			Total yearly lessons				Initial Payment (excl. VAT)	
12			Charge for lesson				Initial Payment (incl. VAT)	
13							Litres of fuel per lesson	2
14							Total yearly litres of fuel	
15			Income from all lessons				Cost of 1 litre	
16							Total yearly fuel cost	
17							Total amount spent	
18							Profit	
19								

I used a formula ( $=D8*D9$ ) to work out how many lessons Anna does in a week, to do this I times (\* is times in excel) days each week by the lessons each day

I then used a formula to times the working weeks by the lessons each week to work out the total yearly lessons

I then used a formula to work out the income from all lessons by times total yearly lessons by the charge for lesson

Then I used a formula to work out total yearly litres of fuel by times total yearly lessons by litres of fuel per lesson

Fuel Price Reports : AA monthly fuel price report for November 2010 - The AA - Windows Internet Explorer provided by King Edwar

http://www.theaa.com/motoring\_advice/fuel/

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UK and overseas fuel prices

Give us your opinion by answering our questionnaire

**November 2010**

Average diesel prices have returned to the 2010 peak of 123p a litre, last seen in May. Petrol prices have continued to rise, but a stronger pound has so far shielded drivers from the full impact of oil prices that have reached a two-year high. Brent crude - \$85 a barrel.

Unleaded prices have risen by 1.4ppl from 117.7ppl to 119.1ppl. Diesel prices have also risen, by 1.7ppl, from 121.3ppl to 123.0ppl. The price difference between unleaded and diesel has risen to 3.9ppl.

London and Northern Ireland recorded the highest price for unleaded at 119.7ppl. Yorkshire and Humberside recorded the lowest price for unleaded at 118.2ppl. Wales and Northern Ireland recorded the highest diesel price at 123.6ppl. Yorkshire and Humberside have the cheapest diesel at 122.3ppl.

Supermarket prices for unleaded also rose over the month by 1.7ppl to 117.5ppl. The gap between supermarket prices and the UK average for unleaded has fallen to 1.6ppl.

The UK has the eighth highest unleaded price in Europe and the second highest diesel price.

*(fuel price data is supplied by Experian Catalist in cooperation with Arval UK Ltd)*

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- [April 2010](#)
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- [February 2010](#)
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I then researched the average price of 1 litre of unleaded petrol (119.1 ppl) then added it to my model

I then used a formula to work out the total yearly fuel cost by times total yearly litres of fuel by cost of 1 litre

The screenshot shows the Nationwide Vehicle Contracts website. The main heading is "GET AN INSTANT CAR QUOTE" with the subtext "Find the UK's lowest car leasing prices & save money!". The search results for a Ford Fiesta 5Dr Hat 1.25 60Ps Edge are displayed. The price is £134.95 per month excl. VAT, and the initial payment is £699.95 (Excl. VAT). A "SPECIAL DEAL" badge is visible. The page also includes a "GET A QUOTE" button and a "Request Call Back" button.

I then researched cars which would be reasonable for driving lessons and then found out how much it would cost to lease it ([http://www.nationwidevehiclecontracts.co.uk/Ford\\_Fiesta-5Dr\\_Hat\\_125\\_60Ps\\_Edge-22475.htm](http://www.nationwidevehiclecontracts.co.uk/Ford_Fiesta-5Dr_Hat_125_60Ps_Edge-22475.htm))

Then I added the price information to my model and then used a formula to work out the initial payment + Vat by times initial payment excl. Vat

Then I added a formula to work out the total yearly lease by times lease cost each month (incl. VAT) x12

I then added a formula to work out the total amount spent by adding Total yearly fuel cost + salary + total yearly lease + initial payment (incl. VAT)

Then I used a formula to work out the profit by doing income from all lessons (minus) total amount spent

uncomplete - Microsoft Excel

Insert Page Layout Formulas Data Review View Add-Ins Acrobat

Times New Rom 10 A A Wrap Text Currency

B I U Merge & Center Alignment Number

Conditional Formatting Format as Table Cell Styles

Highlight Cells Rules Greater Than... Less Than... Between... Equal To... Text that Contains... A Date Occurring... Duplicate Values... More Rules...

C	D	E	F	G
Weeks each year	Holiday weeks	Working weeks	Current VAT	17.50%
	52	5	Salary	£15,000
Days each week		6	Type of car chosen	Ford Focus
Lessons each day		6	Lease cost each month (incl. Vat)	£158.57
Lessons each week		36	Total yearly lease	£1,902.84
Total yearly lessons		1692	Initial Payment (excl. VAT)	£669.65
Charge for lesson	£12.50		Initial Payment (incl. VAT)	£787.19
			Litres of fuel per lesson	2
			Total yearly litres of fuel	3384
Income from all lessons	£21,150.00		Cost of 1 litre	£1.191
			Total yearly fuel cost	£4,030.34
			Total amount spent	£21,720.38
			Profit	-£570.38

**Greater Than**

Format cells that are **GREATER THAN:**

0 with Green Fill with Dark Green Text

OK Cancel

I then used conditional formatting, Highlight cells rules, Greater than and then set it so when the profit is over 0 the box fills with green and has dark green text. I did this so you can clearly see when you are making a profit. I then used conditional formatting, highlight cells rules, less than and set it do when it is less than 0 the box fills with red and the text goes black. I did this so you can clearly see when you are losing money

	A	B	C	D	E	F	G	H	I
1									
2									
3									
4									
5			Weeks each year	Holiday weeks	Working weeks	Current VAT			
6				52	5	47	Salary		
7							Type of car chosen		
8			Days each week		6		Lease cost each month (incl. VAT)		
9			Lessons each day		6		Total yearly lease		
10			Lessons each week		36		Initial Payment (excl. VAT)		
11			Total yearly lessons		1692		Initial Payment (incl. VAT)		
12			Charge for lesson		£12.50		Litres of fuel per lesson		
13							Total yearly litres of fuel		
14							Cost of 1 litre		
15			Income from all lessons		£21,150.00		Total yearly fuel cost		
16							Total amount spent		
17							Profit		
18									

When I had finished the model I copy it by selecting the area and then right clicking in the highlighted area and then chose copy. I then did the same thing but pasted it below the model so that I could experiment to try and make a profit between £5000 and £10000.

task 3 spreadsheet - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Add-Ins Acrobat

Clipboard Font Alignment Number

	A	B	C	D	E	F	G
25							
26			With 8 lessons a Day				
27			Weeks each year	Holiday weeks	Working weeks		
28			52	5	47	Current VAT	17.50%
29						Salary	£15,000
30			Days each week	6		Type of car chosen	Ford Fiesta
31			Lessons each day	8		Lease cost each month (Incl. Vat)	£158.57
32			Lessons each week	48		Total yearly lease	£1,902.84
33			Total yearly lessons	2256		Initial Payment (excl. VAT)	£669.95
34			Charge for lesson	£12.50		Initial Payment (incl. VAT)	£787.19
35						Litres of fuel per lesson	2
36						Total yearly litres of fuel	4512
37			Income from all lessons	£28,200.00		Cost of 1 litre	£1.191
38						Total yearly fuel cost	£5,373.79
39						Total amount spent	£23,063.82
40						Profit	£5,136.18
41							
42							
43							
44							
45							
46			Lesson Cost increased by £5				
47			Weeks each year	Holiday weeks	Working weeks		
48			52	5	47	Current VAT	17.50%
49						Salary	£15,000
50			Days each week	6		Type of car chosen	Ford Fiesta
51			Lessons each day	6		Lease cost each month (Incl. Vat)	£158.57
52			Lessons each week	36		Total yearly lease	£1,902.84
53			Total yearly lessons	1692		Initial Payment (excl. VAT)	£669.95
54			Charge for lesson	£17.50		Initial Payment (incl. VAT)	£787.19
55						Litres of fuel per lesson	2
56						Total yearly litres of fuel	3384
57			Income from all lessons	£29,610.00		Cost of 1 litre	£1.191
58						Total yearly fuel cost	£4,030.34
59						Total amount spent	£21,720.38
60						Profit	£7,889.62
61							

When I had pasted the new models I tried making a profit by having 8 lessons a day and then another one with lessons costing 17.50

	A	B	C	D	E	F	G
64							
65							
66			8 lessons a day Lessons £15				
67			Weeks each year	Holiday weeks	Working weeks		
68			52	5	47	Current VAT	17.50%
69						Salary	£15,000
70			Days each week	6		Type of car chosen	Ford Fiesta
71			Lessons each day	8		Lease cost each month (incl. Vat)	£158.57
72			Lessons each week	48		Total yearly lease	£1,902.84
73			Total yearly lessons	2256		Initial Payment (excl. VAT)	£669.95
74			Charge for lesson	£15.00		Initial Payment (incl. VAT)	£787.19
75						Litres of fuel per lesson	2
76						Total yearly litres of fuel	4512
77			Income from all lessons	£33,840.00		Cost of 1 litre	£1.191
78						Total yearly fuel cost	£5,373.79
79						Total amount spent	£23,063.82
80						Profit	£10,776.18
81							
82							
83			Cheaper car				
84			Weeks each year	Holiday weeks	Working weeks		
85			52	5	47	Current VAT	17.50%
86						Salary	£15,000
87			Days each week	6		Type of car chosen	Missan Micra
88			Lessons each day	6		Lease cost each month (incl. Vat)	£105.69
89			Lessons each week	36		Total yearly lease	£1,268.28
90			Total yearly lessons	1692		Initial Payment (excl. VAT)	£449.95
91			Charge for lesson	£12.50		Initial Payment (incl. VAT)	£528.69
92						Litres of fuel per lesson	2
93						Total yearly litres of fuel	3384
94			Income from all lessons	£21,150.00		Cost of 1 litre	£1.191
95						Total yearly fuel cost	£4,030.34
96						Total amount spent	£20,827.32
97						Profit	£322.68
98							

I then tried a mix of 8 lessons a day and they cost £15 each so that Anna makes more profit but her customers don't complain about large price increases. I also made one with a cheaper car so Anna has more options of her car choices. I then did cheaper car with 8 lessons a day so that she can compare it with the more expensive car better

	A	B	C	D	E	F	G
109			Cheaper car + 8 lessons a day				
110			Weeks each year	Holiday weeks	Working weeks		
111			52	5	47	Current VAT	17.50%
112						Salary	£15,000
113			Days each week	6		Type of car chosen	Missan Micra
114			Lessons each day	8		Lease cost each month (incl. Vat)	£105.69
115			Lessons each week	48		Total yearly lease	£1,268.28
116			Total yearly lessons	2256		Initial Payment (excl. VAT)	£449.95
117			Charge for lesson	£12.50		Initial Payment (incl. VAT)	£528.69
118						Litres of fuel per lesson	2
119						Total yearly litres of fuel	4512
120			Income from all lessons	£28,200.00		Cost of 1 litre	£1.191
121						Total yearly fuel cost	£5,373.79
122						Total amount spent	£22,170.76
123						Profit	£6,029.24
124							

task 3 spreadsheet - Microsoft Excel

Home Insert Page Layout Formulas Data Review View Add-Ins Acrobat

Clipboard Font Alignment Number

	A	B	C	D	E	F	G
127			With a Secretary (£10000)				
128			Weeks each year	Holiday weeks	Working weeks		
129				52	5	47	Current VAT 17.50%
130							Salary £15,000
131			Days each week		6	Type of car chosen	Ford Fiesta
132			Lessons each day		6	Lease cost each month (Incl. Vat)	£158.57
133			Lessons each week		36	Total yearly lease	£1,902.84
134			Total yearly lessons		1692	Initial Payment (excl. VAT)	£669.95
135			Charge for lesson		£12.50	Initial Payment (incl. VAT)	£787.19
136						Litres of fuel per lesson	2
137						Total yearly litres of fuel	3384
138			Income from all lessons		£21,150.00	Cost of 1 litre	£1.119
139						Total yearly fuel cost	£3,786.70
140			Secretary's Salary		£10,000	Total amount spent	£31,476.73
141						Profit	-£10,326.73
142							
143							
144							
145			With a Secretary (£5000)				
146			Weeks each year	Holiday weeks	Working weeks		
147				52	5	47	Current VAT 17.50%
148							Salary £15,000
149			Days each week		6	Type of car chosen	Ford Fiesta
150			Lessons each day		6	Lease cost each month (Incl. Vat)	£158.57
151			Lessons each week		36	Total yearly lease	£1,902.84
152			Total yearly lessons		1692	Initial Payment (excl. VAT)	£669.95
153			Charge for lesson		£12.50	Initial Payment (incl. VAT)	£787.19
154						Litres of fuel per lesson	2
155						Total yearly litres of fuel	3384
156			Income from all lessons		£21,150.00	Cost of 1 litre	£1.119
157						Total yearly fuel cost	£3,786.70
158			Secretary's Salary		£5,000	Total amount spent	£26,476.73
159						Profit	-£5,326.73

I then added a secretary costing £10000 and £5000 because Anna said that she was thinking about employing a part time secretary between £10000 and £5000 so that she could see how much it would cost her

	A	B	C	D	E	F	G
163			With a Secretary (£10000) + 8 lessons a day + Lessons cost £15				
164			Weeks each year	Holiday weeks	Working weeks		
165			52	5	47	Current VAT	17.50%
166						Salary	£15,000
167			Days each week	6		Type of car chosen	Ford Fiesta
168			Lessons each day	8		Lease cost each month (Incl. Vat)	£158.57
169			Lessons each week	48		Total yearly lease	£1,902.84
170			Total yearly lessons	2256		Initial Payment (excl. VAT)	£669.95
171			Charge for lesson	£15.00		Initial Payment (incl. VAT)	£787.19
172						Litres of fuel per lesson	2
173						Total yearly litres of fuel	4512
174			Income from all lessons	£33,840.00		Cost of 1 litre	£1.119
175						Total yearly fuel cost	£5,048.93
176			Secretary's Salary	£10,000		Total amount spent	£32,738.96
177						Profit	£1,101.04
178							
179							
180							
181			With a Secretary (£5000) + 8 lessons a day				
182			Weeks each year	Holiday weeks	Working weeks		
183			52	5	47	Current VAT	17.50%
184						Salary	£15,000
185			Days each week	6		Type of car chosen	Ford Fiesta
186			Lessons each day	8		Lease cost each month (Incl. Vat)	£158.57
187			Lessons each week	48		Total yearly lease	£1,902.84
188			Total yearly lessons	2256		Initial Payment (excl. VAT)	£669.95
189			Charge for lesson	£12.50		Initial Payment (incl. VAT)	£787.19
190						Litres of fuel per lesson	2
191						Total yearly litres of fuel	4512
192			Income from all lessons	£28,200.00		Cost of 1 litre	£1.119
193						Total yearly fuel cost	£5,048.93
194			Secretary's Salary	£5,000		Total amount spent	£27,738.96
195						Profit	£461.04
196							
197							
198							
199			With a Secretary (£5000) + 8 lessons a day + Lessons cost £15				
200			Weeks each year	Holiday weeks	Working weeks		
201			52	5	47	Current VAT	17.50%
202						Salary	£15,000
203			Days each week	6		Type of car chosen	Ford Fiesta
204			Lessons each day	8		Lease cost each month (Incl. Vat)	£158.57
205			Lessons each week	48		Total yearly lease	£1,902.84
206			Total yearly lessons	2256		Initial Payment (excl. VAT)	£669.95
207			Charge for lesson	£15.00		Initial Payment (incl. VAT)	£787.19
208						Litres of fuel per lesson	2
209						Total yearly litres of fuel	4512
210			Income from all lessons	£33,840.00		Cost of 1 litre	£1.119
211						Total yearly fuel cost	£5,048.93
212			Secretary's Salary	£5,000		Total amount spent	£27,738.96
213						Profit	£6,101.04
214							

I then tried to make a profit when Anna is employing a secretary to show her how she could afford a part time secretary.