Additional Exercise 4 Solution

Task 1 - Your spreadsheet should be saved with the filename **prodfinal** and should look like:

Make sure you have defined the name of the cell as target

Check you have entered the formula for the new Total Income column as: =D7+(D7*B4)

	A	B	C	D	E	F
1	**Product Sales**					
2						
3	**Sales target for each item:**	25				
4	**VAT Rate**	20%				
5						
6	**Product**	**Price**	**No Sold**	**Net Income**	**Total Income**	**Status**
7	red cushion	£5.99	5	£29.95	£35.94	Improve sales
8	blue vase	£15.85	8	£126.80	£152.16	Improve sales
9	picture frame	£12.99	15	£194.85	£233.82	Improve sales
10	coffee table	£80.00	25	£2,000.00	£2,400.00	On target
11	shelf	£9.00	80	£720.00	£864.00	On target
12	sideboard	£150.00	10	£1,500.00	£1,800.00	Improve sales
13	stool	£13.50	45	£607.50	£729.00	On target
14	chair	£25.00	5	£125.00	£150.00	Improve sales
15	floor lamp	£33.00	18	£594.00	£712.80	Improve sales
16	table lamp	£16.00	12	£192.00	£230.40	Improve sales
17	TV cabinet	£125.00	1	£125.00	£150.00	Improve sales
18	dining table	£95.00	2	£190.00	£228.00	Improve sales
19	filing cabinet	£62.00	3	£186.00	£223.20	Improve sales
20	canvas print	£10.00	112	£1,120.00	£1,344.00	On target
21				**Average Income**	**£660.95**	
22						
23						
24	**Number of Products**	14				
25						
26	**Total of Sales exceeding £500**	7849.8				
27						
28	**Number of Poor Selling Items**	6				

Check that you have entered the IF function for the new Status column as follows:

IF
Logical_test: C7>75%*target
Value_if_true: "On target"
Value_if_false: "Improve sales"

Check that you have entered the Average function as follows: =AVERAGE(E7:E20)

Check you have entered the COUNTA function as follows: =COUNTA(A7:A20)

Check that you have entered the SUMIF function as follows:

SUMIF
Range: E7:E20
Criteria: ">500"
Sum_range: E7:E20

Check that you have entered the COUNTIF function as follows:

COUNTIF
Range: C7:C20
Criteria: "<10"

The spreadsheet with the formulas displayed should look like:

	A	B	C	D	E	F
1	**Product Sales**					
2						
3	**Sales target for each item:**	25				
4	**VAT Rate**	0.2				
5						
6	**Product**	**Price**	**No Sold**	**Net Income**	**Total Income**	**Status**
7	red cushion	5.99	5	=B7*C7	=D7+(D7*B4)	=IF(C7>75%*target,"On target","Improve sales")
8	blue vase	15.85	8	=B8*C8	=D8+(D8*B4)	=IF(C8>75%*target,"On target","Improve sales")
9	picture frame	12.99	15	=B9*C9	=D9+(D9*B4)	=IF(C9>75%*target,"On target","Improve sales")
10	coffee table	80	25	=B10*C10	=D10+(D10*B4)	=IF(C10>75%*target,"On target","Improve sales")
11	shelf	9	80	=B11*C11	=D11+(D11*B4)	=IF(C11>75%*target,"On target","Improve sales")
12	sideboard	150	10	=B12*C12	=D12+(D12*B4)	=IF(C12>75%*target,"On target","Improve sales")
13	stool	13.5	45	=B13*C13	=D13+(D13*B4)	=IF(C13>75%*target,"On target","Improve sales")
14	chair	25	5	=B14*C14	=D14+(D14*B4)	=IF(C14>75%*target,"On target","Improve sales")
15	floor lamp	33	18	=B15*C15	=D15+(D15*B4)	=IF(C15>75%*target,"On target","Improve sales")
16	table lamp	16	12	=B16*C16	=D16+(D16*B4)	=IF(C16>75%*target,"On target","Improve sales")
17	TV cabinet	125	1	=B17*C17	=D17+(D17*B4)	=IF(C17>75%*target,"On target","Improve sales")
18	dining table	95	2	=B18*C18	=D18+(D18*B4)	=IF(C18>75%*target,"On target","Improve sales")
19	filing cabinet	62	3	=B19*C19	=D19+(D19*B4)	=IF(C19>75%*target,"On target","Improve sales")
20	canvas print	10	112	=B20*C20	=D20+(D20*B4)	=IF(C20>75%*target,"On target","Improve sales")
21				**Average Income**	**=AVERAGE(E7:E20)**	
22						
23						
24	**Number of Products**	=COUNTA(A7:A20)				
25						
26	**Total of Sales exceeding £500**	=SUMIF(E7:E20,">500",E7:E20)				
27						
28	**Number of Poor Selling Items**	=COUNTIF(C7:C20,"<10")				
29						