



Unit 8.4
[Modelling - Spreadsheets]

Student Homework Booklet

Name

Form

Teacher

Checklist

Homework






- 1
- 2
- 3
- 4
- 5
- 6
- 7

Pupil	Teacher



Spreadsheets and Modelling Homework 1

Explain what the following people might use a spreadsheet for

Person	This person might use a spreadsheet to ...
	Accountant-to calculateincome, costs,profit
	Teacher.....marks?
	Scientist
	Shopkeeper- list of all the products/items you sell in shop or you need to buy,and then calculate.....
	Banker-



Homework Sheet 2



Using the paper version of the Microsoft Excel worksheet provided complete these tasks.

Format the following cell references by shading the appropriate cells.
REMEMBER this symbol : means all the cells in between the references as well

Shade the following cells grey

I5

H6:J6

G7:K7

F8:L8

Can you predict yet what the picture is going to be?

Shade the following cells brown

G9:K9

G10:G15

I10:I15

K10:K15

H11:H12

J11:J12

H14:H15

Has your guess changed?

Shade these cells blue

H10

J10

H13

Where you right?

And these red

J13:J15

What is the picture?

Add something else to the picture and make a note of the cell references that you need to format to create it.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1																							
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Homework Sheet 3

Ice Hockey Team League Table

	A	B	C	D	E	F	G	H
1			Team Names	Won	Lost	Drawn	Played	Points
2				3	3	5		
3				5	4	3		
4				4	4	3		
5				2	8	0		
6				2	0	10		
7				1	4	5		
8				4	4	4		
9								

Rules

- Win = 3 points
- Loss = 0 points
- Draw = 1 point

Using the table enter the formula for the number of games played (column G) and the total points won by each team (column H). You can make up the names of each team!



Homework Week 4

	A	B	C	D	E	F	G
1	Today's biscuits						
2	200	Ingredient	Measure	Quantity for 1	Cost for 1	Quantity for today	Cost for today
3		Wholemeal flour	grams	17.5	£0.02	3500	£4.00
4		Oatmeal	grams	5	£0.02	1000	£4.00
5		Butter	grams	11	£0.03	2200	£6.00
6		Soft brown sugar	teaspoons	0.4	£0.01	80	£2.00
7		Baking powder	teaspoons	0.1	£0.03	20	£6.00
8		Salt	teaspoons	0.05	£0.01	10	£2.00
9							
10					£0.12		£24.00

Use the Biscuit Model spreadsheet above to answer the following questions.

1. If you wanted to find the cost for 500 biscuits which cell would you change?

2. What is the formula used to calculate the total cost for 200 biscuits?

3. What type of information is in each of these cells?

Put a tick under 'data', 'formula' or 'label' for each cell address.

Cell address	Formula	Data	Label
B3			
D4			
F3			
E10			
G2			



Homework Week 5



Take your printout home and annotate [explain what you have done] it. You need to **write** on the printout showing the different types of **formatting** you have used, for example different types of font, use of bold, colours, borders, etc. and explain below **why** you have used these on your model.

Type of formatting	Why it was used.



Homework Week 6



Take home your printed spreadsheet model and **annotate** it to show any thing that you think could be **improved** on the model.

For example different formatting, more formulas, less formulas and give **reasons why?**



Homework Week 7



Take home your printed spreadsheet model and annotate it to identify the new variables [things that may change] and any formulas you have used. Explain why you have used the formulas and what they do.

New variable	Formula	What the formula does