

**Scenario**

You work for the Computing department of Bulmershe School. As an admin assistant you have very good spreadsheet skills and your role is to prepare any spreadsheets for the teachers. Read through the different tasks below and complete each task accurately.

**Task 1**

CLUB	PLAYED	WON	DRAWN	LOST
Man City	34	29	3	2
Blackburn Rovers	34	23	5	6
Liverpool	35	20	11	4
Tottenham	34	20	8	6
Chelsea	34	19	6	9
Arsenal	34	17	6	11
Burnely FC	35	14	11	10
Everton	35	12	9	14
Leicester City	34	11	11	12
Newcastle	34	11	8	15
Bournemouth	35	9	11	15
Watford	35	10	8	17
Brighton	34	8	12	14
Crystal Palace	35	8	11	16
West Ham	34	8	11	15
Huddersfield	34	9	8	17
Swansea City	34	8	9	17
Southampton	34	5	14	15
Stoke City	35	6	11	18
West Brom	35	4	13	18

- 1) Task 1 – Copy this data to a spreadsheet, starting at A1 and format the table using the premier league colours.
- 2) Add the image of the premier league logo
- 3) Add the logo of your favourite football team.
- 4) Set up a new column called POINTS like so. The formula for the points is  $WON*3+DRAWN$ , so for the first row, Manchester City, it will be  $C2*3+D2*1$ . Then fill this formula down

	A	B	C
1	CLUB	PLAYED	WON

**Task 2**

Price List	O2	Vodafone	3G	EE
Call charges land line (peak)	£0.35	£0.25	£0.25	£0.25
Call charges land line (off peak)	£0.10	£0.20	£0.20	£0.15
Call charges mobile (peak)	£0.50	£0.15	£0.18	£0.15
Call charges mobile (off peak)	£0.30	£0.10	£0.12	£0.10

2 hrs plus 1 additional hour for extended learning challenge.

**Start Date**

w/c 7/5/2018

**Submission Date**

w/c 11/06/2018

Cost per text message	£0.12	£0.11	£0.10	£0.15
Call charges land line (peak)				
Call charges land line (off peak)				
Call charges mobile (peak)				
Call charges mobile (off peak)				
Cost per text message				
Total				
cheapest				
Most expensive				
Average cost per month				

James usage	
Call charges land line (peak)	
Call charges land line (off peak)	
Call charges mobile (peak)	
Call charges mobile (off peak)	
Cost per text message	

Your spreadsheet should present the costs involved for at least two of the different Pay as You Go tariffs.

**A** Design and create a spreadsheet to calculate which Pay as you Go tariff would be best for a particular customer. The customer will estimate their monthly phone usage, providing information about number of minutes for calls to landline and mobile phones during peak and off-peak times, and the number of text messages they send per month.

Using the table above and data below create the spreadsheet

**Pay as you Go tariff information is given below.**

O2

- Call charges land line (peak) £0.35
- Call charges land line (off peak) £0.10
- Call charges mobile (peak) £0.50
- Call charges mobile (off peak) £0.30
- Cost per text message £0.12

Vodaphone

- Call charges land line (peak) £0.25
- Call charges land line (off peak) £0.20
- Call charges mobile (peak) £0.15
- Call charges mobile (off peak) £0.10
- Cost per text message £0.11

3G

- Call charges land line (peak) £0.25
- Call charges land line (off peak) £0.20
- Call charges mobile (peak) £0.18
- Call charges mobile (off peak) £0.12
- Cost per text message £0.10

**EE**

- Call charges land line (peak) £0.25
- Call charges land line (off peak) £0.15
- Call charges mobile (peak) £0.15
- Call charges mobile (off peak) £0.10
- Cost per text message £0.15






**B** Create appropriate formulas to calculate the following:

- Total monthly charges for all calls for each mobile phone company
- Total monthly charges for text messages for each mobile phone company
- Total monthly cost for each mobile phone company

**Extension task**

- Most expensive company
- Cheapest company
- Average cost per month

(\*If you do not have a computer at home, attend Computing lunchtime club in room C4 in school every Wednesday\*)

INDEPENDENT LEARNING CHALLENGES There are 3 parts to this challenge;		Suggested Time  Once Complete
		2 hours <input type="checkbox"/>
EXTENDED INDEPENDENT LEARNING CHALLENGE		
		1 hour <input type="checkbox"/>
LITERACY – Command Words		
<b>Analyse</b> the elements that make up the solution to the problem		
<b>Design</b> a spreadsheet for a given purpose		
<b>Explain</b> how you carried out testing for your spreadsheet		
<b>Evaluate</b> – the strengths and weaknesses of your work and how it could be improved.		
USEFUL WEBSITES		
You can visit the Teach-ict.com website for additional information and support with spreadsheets: Teach-ict.com +spreadsheets		
THE PERSONAL LEARNING AND THINKING SKILLS USED IN THIS CHALLENGE ARE:		
 <b>Independent Enquirers</b>  <b>Creative Thinkers</b>  <b>Reflective Learners</b>  <b>Self Managers</b>		
LITERACY SKILLS USED IN THIS ILC ARE:		NUMERACY SKILLS USED IN THIS ILC ARE:

Punctuation, spelling and grammar.

Extended design.

Applying understanding of terminology

Reasoning and problem-solving.

Being numerate; decision making.

**FURTHER SUPPORT CONTACT DETAILS**

**CHECKLIST**

[MCousins@bulmershe.wokingham.sch.uk](mailto:MCousins@bulmershe.wokingham.sch.uk)

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Has my work achieved its purpose?

Have I checked my formulae and calculations?

Have I developed my ability to create a fully working spreadsheet?

Have I presented my work to the best of my ability?

Have I saved my work onto my student access folder?

Have I printed out my work and handed it in by the submission date?