KS4 - Spreadsheets

Lesson 3: RSC Merchandise

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Materials from the Teach Computing Curriculum created by the National Centre for Computing Education

Task 1 - Merchandise - part 1

Spend a short time investigating the types and prices of merchandise available for singers and bands.

Research the merchandise available for your favourite bands.

Complete the table on the next slide.

You can add more rows if needed by clicking the Tab key when the cursor is in the final cell.

Task 1 - Merchandise - part 2

Product	Artist	Price	Web address link

Task 2 - Complete the model

Open the **RSC merchandise** spreadsheet

Enter sale price for each item

Enter a target sales figure for each item

Forecast profit is selling price **minus** cost price **multiplied** by target sales

	A		C		
6					
7	Item	Cost Price	Selling Price	Target Sales	Forecast Profit
8	RSC Baseball Cap	£3.10			
9	RSC Bucket Hat	£4.40			
10	RSC Woollen Hat	£3.60			
11	RSC Guitar T-Shirt (Small)	£3.00			
12	RSC Guitar T-Shirt (Medium)	£3.50			
13	RSC Guitar T-Shirt (Large)	£5.00			
14	RSC Guitar Hoodie (Small)	£8.90			
15	RSC Guitar Hoodie (Medium)	£9.40			
16	RSC Guitar Hoodie (Large)	£10.30			
17	RSC Star T-Shirt (Small)	£3.00			
18	RSC Star T-Shirt (Medium)	£3.50			
19	RSC Star T-Shirt (Large)	£5.00			
20	RSC Guitar Poster	£2.60			
21	RSC Star Poster	£2.60			
22	RSC Keyring	£1.90			
23					
24					

Enter a formula to calculate a forecast profit for each item
Example: **=(C8-B8)*D8**

Don't forget to **format** cells that contain **money** as **currency**

Task 3 - Calculate forecast profit - part 1

In cell **G5** use a **SUM** formula to add cells E8–E22. e.g. =SUM(E8:E22)

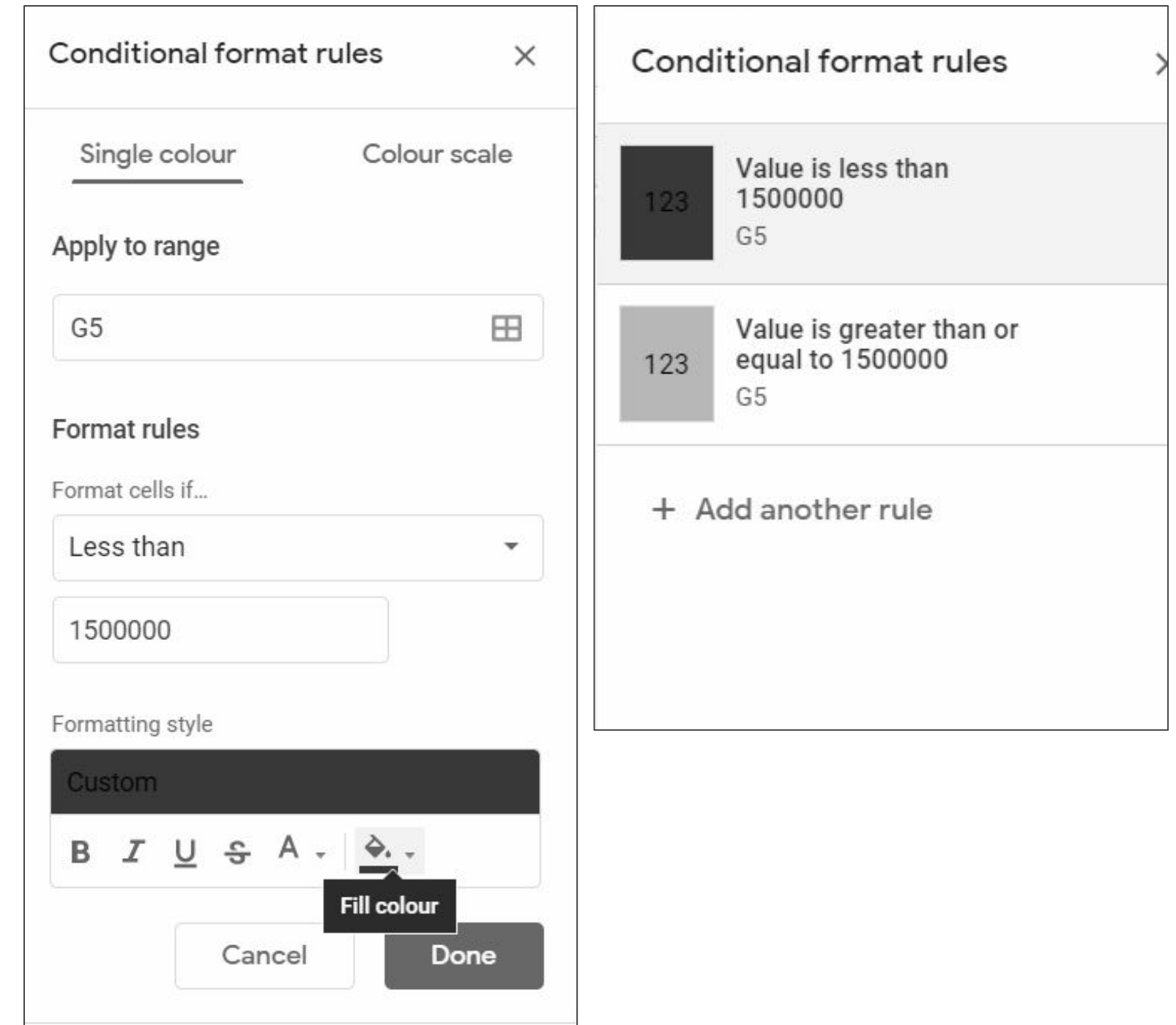|	A	B	C	D	E	F
1	★Rock Star Challenge Merchana					
2						
3						
4						
5		Target	£1,500,000.00			Total Forecast
6						
7	**Item**	**Cost**	**Selling**	**Target**	**Forecast**	
8	RSC Baseball Cap	£3.10	£15.00	1020	£12,138.00	
9	RSC Bucket Hat	£4.40	£18.00	1000	£13,600.00	
10	RSC Woollen Hat	£3.60	£20.00	600	£9,840.00	
11	RSC Guitar T-Shirt (Small)	£3.00	£30.00	1904	£51,408.00	
12	RSC Guitar T-Shirt (Medium)	£3.50	£35.00	1600	£50,400.00	
13	RSC Guitar T-Shirt (Large)	£5.00	£45.00	2043	£81,720.00	
14	RSC Guitar Hoodie (Small)	£8.90	£40.00	3521	£109,503.10	
15	RSC Guitar Hoodie (Medium)	£9.40	£45.00	2568	£91,420.80	
16	RSC Guitar Hoodie (Large)	£10.30	£55.00	1000	£44,700.00	
17	RSC Star T-Shirt (Small)	£3.00	£30.00	10478	£282,906.00	
18	RSC Star T-Shirt (Medium)	£3.50	£35.00	12779	£402,538.50	
19	RSC Star T-Shirt (Large)	£5.00	£35.00	3587	£107,610.00	
20	RSC Guitar Poster	£2.60	£8.00	14005	£75,627.00	
21	RSC Star Poster	£2.60	£8.00	13800	£74,520.00	
22	RSC Keyring	£1.90	£7.50	18005	£100,828.00	
23						

Task 3 - Calculate forecast profit - part 2

Add conditional formatting to cell G5

Select G5. Select **Format -> Conditional Formatting**

Select **less than** and input an appropriate value and select a fill colour of **red**.

Then **Add another rule** and select **greater than or equal to** and input an appropriate number and select a fill colour of **green**.

Task 4 - Format the spreadsheet

- Add borders – thin and thick
- Fill headings
- Bold headings
- Centre headings – horizontal and vertical
- Wrap heading text
- Cells C5–D5 could be merged

Task 5 - Can you make a profit?

Did you manage to meet the target profit?

Did you have to change the target profit to make a forecast profit?

Did your conditional formatting work?