

How to compare data on 2 different sheets in Excel file

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To compare data on 2 different sheets but in the same Excel file, we have many different methods such as using **VLOOKUP** or using the **COUNTIF** function and combining with **Conditional Formatting** to create different comparison effects. or no difference in data in two different sheets. But in this article of TipsMake.com, we will use **COUNTIF** and **Conditional Formatting** methods to compare data.

First of all we have a column of data as follows in Sheet 1. It is a list of items on stock on day 1.

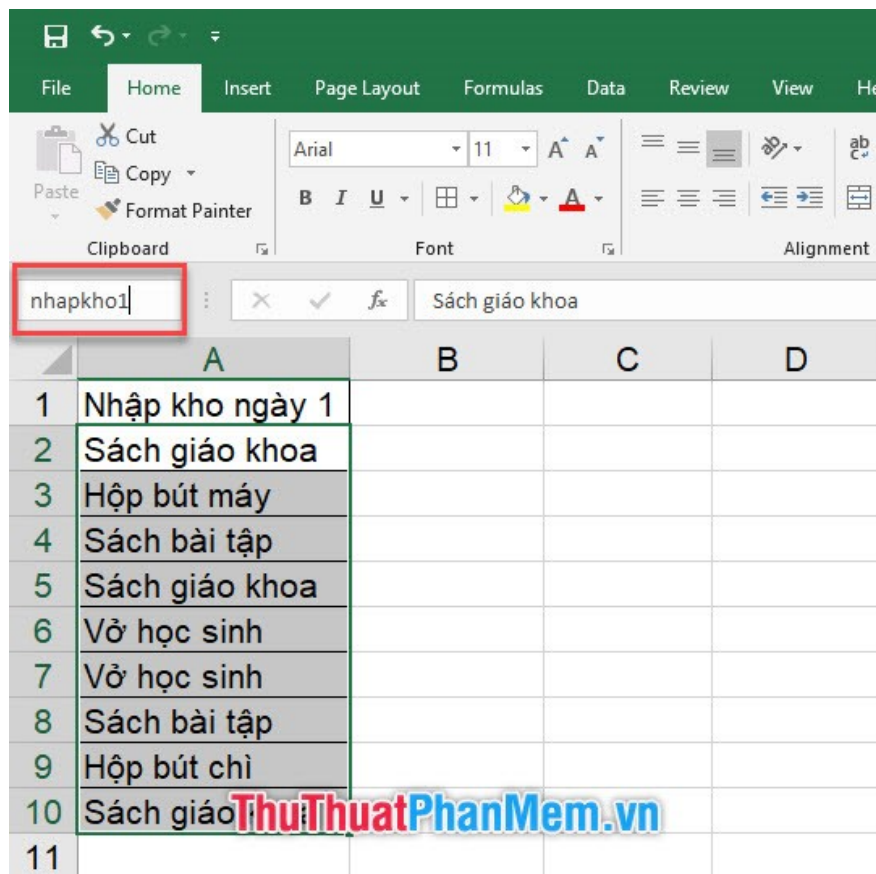
	A	B	C	D
1	Nhập kho ngày 1			
2	Sách giáo khoa			
3	Hộp bút máy			
4	Sách bài tập			
5	Sách giáo khoa			
6	Vở học sinh			
7	Vở học sinh			
8	Sách bài tập			
9	Hộp bút chì			
10	Sách giáo khoa			
11				

And on sheet two, we have a list of items to stock on day 2. Now we can use the **COUNTIF** function to calculate the number of duplicates of items compared to the first day.

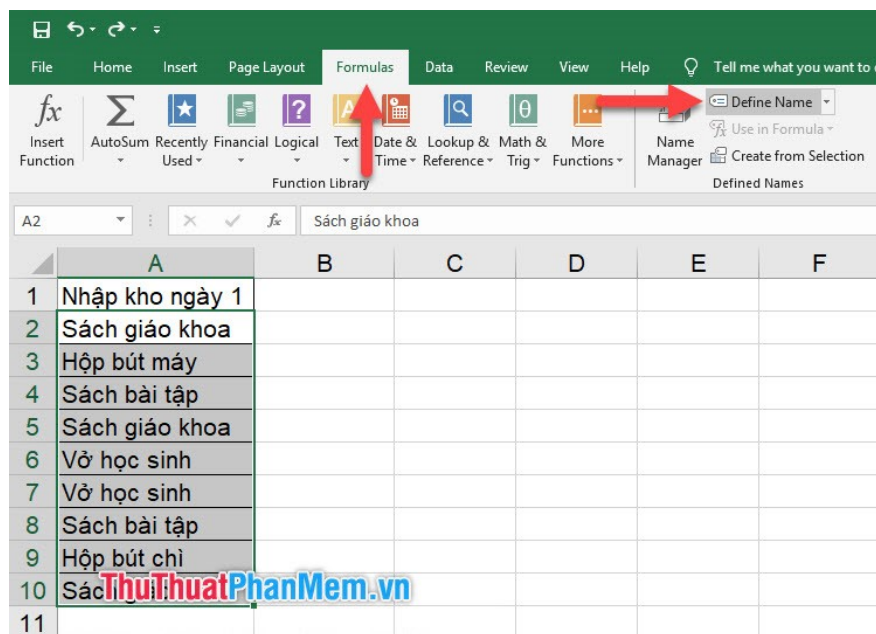
	A	B	C
1	Nhập kho ngày 2	Trùng lặp với ngày 1	
2	Vở học sinh		
3	Sách bài tập		
4	Sách giáo khoa		
5	Thước kẻ		
6	Bút chì		
7	Vở học sinh		
8	Bảng vẽ		
9	Sách giáo khoa		
10	Ghim bấm		
11			

Before you start writing the formula you need to limit the data to be compared in sheet 1 and give it a distinguished name.

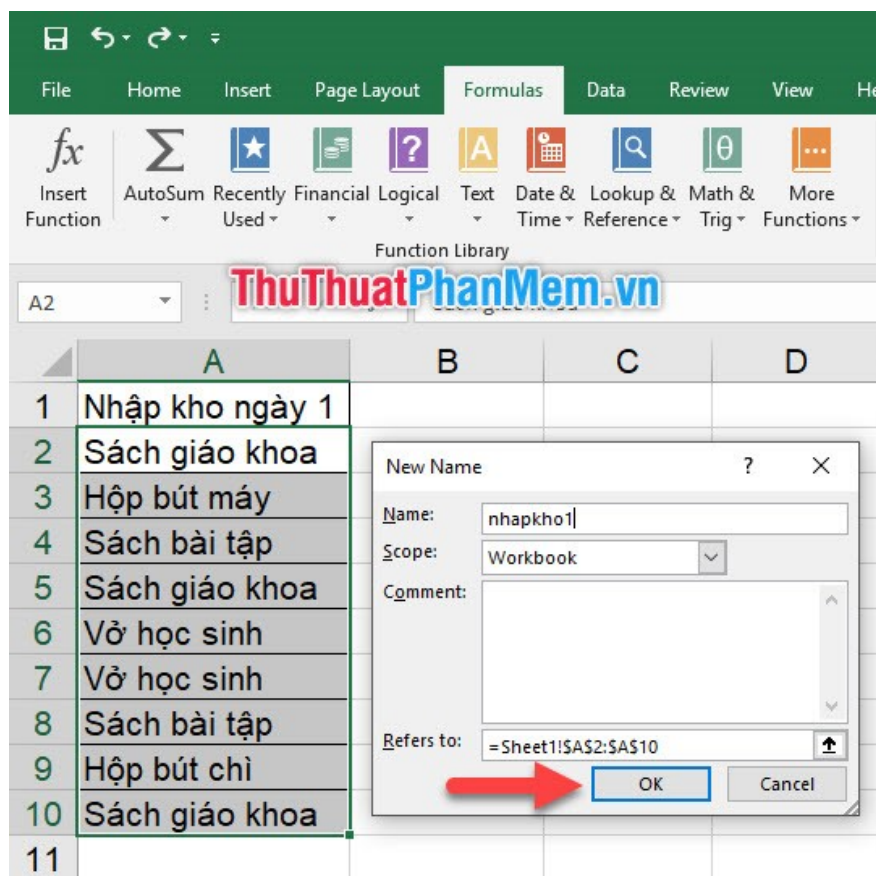
Highlight the data range to select and then click on the name of the cell in the left corner of the sheet, enter a name for the range. The name you enter must be spaces without **Excel** or **Excel** will not be able to read the name of the data range.



Or you can also name the area by going to the **Formulas** ribbon on the toolbar and selecting **Define Name** in the **Defined Names** section .



Enter a name for the range in the **Name** box, then click **OK** to confirm the name.



Now that your data range in **Sheet 1** has a custom name, you can call that range in a formula without having to write an address sign. This method is very convenient for using data on many different sheets.

The **COUNTIF** formula we need to use here to count duplicates for those two data columns is:

= COUNTIF (array of data to be counted, different conditions to count)

And for the example in the image, we have the function formula:

= COUNTIF (input1; A2)

With this formula we can count the number of times "School notebooks" appear in the first day of inventory data.

The screenshot shows the Microsoft Excel interface with the 'Formulas' ribbon selected. The 'Function Library' group is visible, containing icons for 'Insert Function', 'AutoSum', 'Recently Used', 'Financial', 'Logical', 'Text', 'Date & Time', 'Lookup & Reference', 'Math & Trig', and 'More Functions'. The formula bar shows the formula `=COUNTIF(nhapkho1;A2)` entered in cell B2. The spreadsheet below has columns A, B, and C, and rows 1 through 11. Cell A2 contains 'Vở học sinh', and cell B2 contains the formula. A watermark 'Thu:ThuatPhanMem.vn' is visible across the spreadsheet.

	A	B	C
1	Nhập kho ngày 2	Trùng lặp với ngày 1	
2	Vở học sinh	<code>=COUNTIF(nhapkho1;A2)</code>	
3	Sách bài tập		
4	Sách giáo khoa		
5	Thước kẻ		
6	Bút chì		
7	Vở học sinh		
8	Bảng vẽ		
9	Sách giá		
10	Ghim bấm		
11			

Next, you just need to copy the formula down by clicking on the lower right corner of the available formula box and dragging the mouse down.

	A	B	C	D
1	Nhập kho ngày 2	Trùng lặp với ngày 1		
2	Vở học sinh	2		
3	Sách bài tập	2		
4	Sách giáo khoa	3		
5	Thước kẻ	0		
6	Bút chì	0		
7	Vở học sinh	2		
8	Bảng vẽ	0		
9	Sách giáo khoa	3		
10	Ghim bấm	0		
11				
12				

As you will see a zero result shows that this item was never stocked in the first day.

The above steps can show you the specific number of items in the duplicated inventory but do not show the duplication right on the data column. We can do this by using the **Conditional Formatting** function , creating a different format so that we can immediately see which item is the item without duplication when compared to the inventory data. first.

Highlight the array to compare, then go to the **Home** ribbon on the toolbar and select **Conditional Formatting** located in the **Styles** section of this ribbon.

Click on the **New Rule** line .

	A	B	C	D
1	Nhập kho ngày 2	Trùng lặp với ngày 1		
2	Vở học sinh	2		
3	Sách bài tập	2		
4	Sách giáo khoa	3		
5	Thước kẻ	0	không trùng	
6	Bút chì	0	không trùng	
7	Vở học sinh	2		
8	Bảng vẽ	0	không trùng	
9	Sách giáo khoa	3		
10	Ghim bấm	0	không trùng	
11				
12				

Then the **New Formatting Rule** function dialog box will appear, select the last line of the list of rule types is **Use a formula to determine which cells to format** .

In the Format values ??where this formula is true box (format the cells with the following formula), enter the following formula:

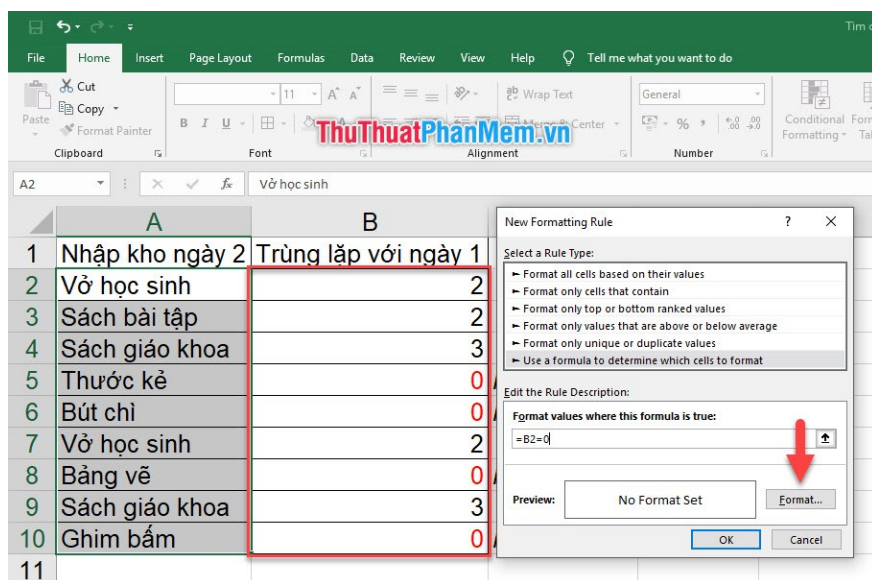
= B2 = 0

To explain a bit for this. Because we need to color data cells without duplicates, it means that in that data line the result in the " **Duplicate with Day 1** " column we just filled out with the **COUNTIF** formula is 0.

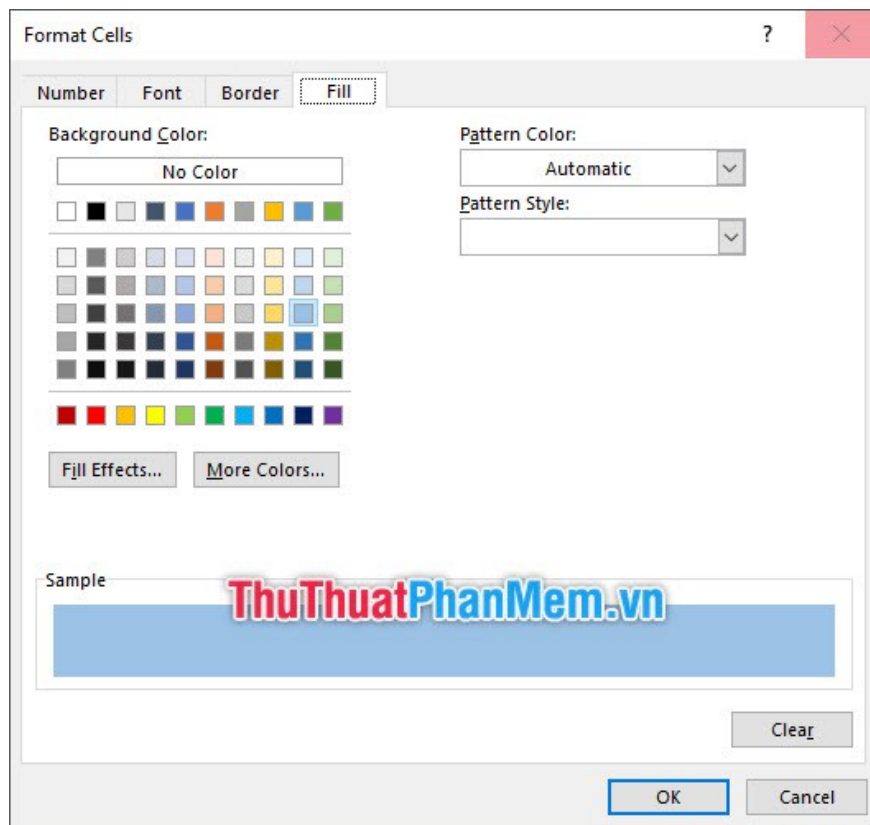
So when we fill in the condition for this cell, we need to include the condition that finds the zero cells in that " **Duplicate with Day 1** " column .

You leave **B2** as a non-fixed parameter cell so that it can be modified with every row in the column.

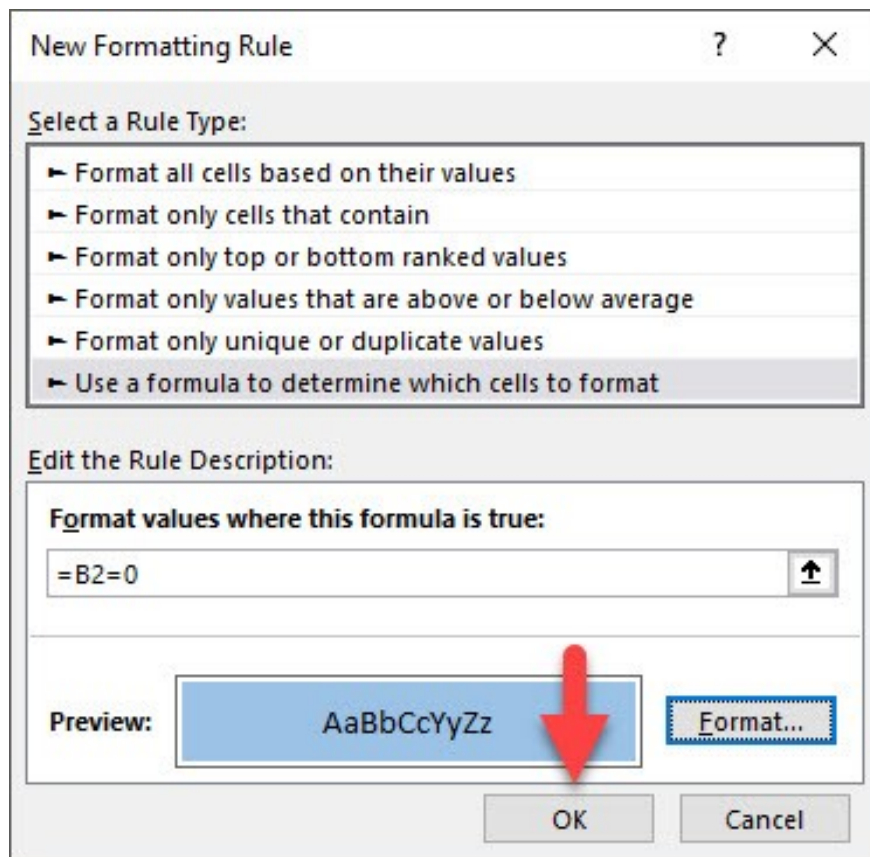
Then don't forget to change the format for the cell with the appropriate condition by going to **Format** .



Change the format of the cell to suit the conditions in the different tabs of the **Format Cells** dialog box , with **Font** being the font change, **Border** to change the border of the cell and **Fill** to fill the background color for that data cell. Then click **OK** to confirm.



After looking at a series of settings, click **OK** to start changing the format for the cells matching the conditions set.



As you will see, the boxes that match the conditions set out are items that do not coincide with the first day of storage will be colored blue on your box.

	A	B	C
1	Nhập kho ngày 2	Trùng lặp với ngày 1	
2	Vở học sinh	2	
3	Sách bài tập	2	
4	Sách giáo khoa	3	
5	Thước kẻ	0	không trùng
6	Bút chì	0	không trùng
7	Vở học sinh	2	
8	Bảng vẽ	0	không trùng
9	Sách giáo khoa	3	
10	Ghim bấm	0	không trùng
11			

If you want to directly change the format for cells with non-duplicated data, you can use the **Excel COUNTIF** formula directly into the **Format values where this formula is true** .

	A	B	C
1	Nhập kho ngày 2	Trùng lặp với ngày 1	
2	Vở học sinh	F(nhapkho1;A2)	
3	Sách bài tập		2
4	Sách giáo khoa		3
5	Thước kẻ		0 không trùng
6	Bút chì		0 không trùng
7	Vở học sinh		2
8	Bảng vẽ		0 không trùng
9	Sách giáo khoa		3
10	Ghim bấm		0 không trùng
11			

From there, we have the formula for **Format values ??where this formula is true** :

= COUNTIF (input1; A2) = 0

New Formatting Rule

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format values where this formula is true:

`=COUNTIF(nhapkho1;A2)=0`

Preview: AaBbCcYyZz

Buttons: OK, Cancel, Format...

And the results received:

	A		D
1	Nhập kho ngày 2		
2	Vở học sinh		
3	Sách bài tập		
4	Sách giáo khoa		
5	Thước kẻ		
6	Bút chì		
7	Vở học sinh		
8	Bảng vẽ		
9	Sách giáo khoa		
10	Ghim bấm		

Note: If you change the formula from = 0 to > 0, the cells with duplicate data from the first date will have a format change. This part, TipsMake.com will leave you guys to try it out.

The article about how to compare data on 2 different sheets of Dexterity Software is here, thank you for following our article. Hope you can understand the knowledge we want to impart and successfully implement it for our data.

You finished reading the article "**How to compare data on 2 different sheets in Excel file**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.