


☐

I'm not robot

  
reCAPTCHA

Continue

VLOOKUP function looks up one value. And what if you want to return a result that matches multiple criteria? Check out the following workarounds. More about VLOOKUP multiple criteria We imported a dataset from Google Sheets to Excel using Coupler.io, a solution for automatic data exports from multiple apps and sources. Read more about Microsoft Excel integrations for data export on a schedule. Our purpose is to look up the first name of a user by the following criteria: Country – ChinaCar – ToyotaCanada – BlueYou can't specify more than one lookup value in a VLOOKUP formula, so we'll need to use a workaround, which consists of two steps: Step1: Create a separate column where we will create unique lookup values by merging our lookup criteria – country, car, and color – "ChinaToyotaBlue". Step2: We'll use this lookup value in a VLOOKUP formula to return a matching value.Step1: Create a column with unique lookup values and two of lookup criteria Insert a column to the left of your dataset like this. Select the entire column, insert the following formula to the formula bar and press Ctrl+Shift+Enter for Windows (Command+Enter for Mac) This will apply an array formula in Excel:={B10:B8C1:C10&D1:D10} This formula will merge values from columns B, C, and D, and in the specified array. Step2: VLOOKUP formula for multiple values Now we can use the new column as a lookup value. In our example, we are looking for the value "A" in column A2. The formula we will use is =VLOOKUP(A2,B10:B8C1:C10,1,FALSE). Note that we have used the range B10:B8C1:C10 instead of B10:B8C1:C10 because we need to include the new column in the range. Blog In this tutorial we will look at how we can use VLOOKUP with multiple criteria, but with the special twist that the choice of one criteria can come from different columns! Keep reading or watch the video and see how we use the functions IF, ISNUMBER, VLOOKUP and SUMIFS to accomplish this feat! This might be useful for you in a scenario where you want to pull sales data for a customer and state location by either their Customer Name or Customer Number. In our example, we will use student names or numbers for the selection. You can download the file here and follow along. If you get a preview, look for the download arrow in the upper right hand corner. So, here we have a list of Student #, Name, Class, & Grade, and notice in row 12 in cell F4 that I can choose either the student's name or number as one of the criteria for the VLOOKUP function to pull their correct grade. Now, if we were to only use the student's name and class to pull the correct grade, we could use the following formula in cell H7: =VLOOKUP(SUMIFS(D2:D13,D2:B13,F4,C2:C13,G4),F9:G13,2,1) Notice how I used the SUMIFS function to pull the grade number from column D. Now, we are not going to add anything up, but since there should only be one matching criteria of Name and Class, the correct value will result. Note also that we are using a "1" as the [range\_lookup] in our VLOOKUP function because the match in the table in F9:G13 is an approximate match. This formula will give us the right answer as long as a name is selected in cell F4, since it will look in cells B2:B13, the Name list, for a match. If we chose a number from the drop-down list, it would get an #N/A error. The same would occur if our formula in cell H7 was =VLOOKUP(SUMIFS(D2:D13,D2:B13,F4,C2:C13,G4),F9:G13,2,1) And now, if we choose a number, it will use the first VLOOKUP formula, and if not, the second will be initiated: What can you do next? Share this post with others that can benefit from it! Leave a comment or reply below – let me know what you think! Subscribe to this blog for more great tips in the future! Check out my YouTube channel – click on the YouTube icon below! Can VLOOKUP check multiple criteria to match the value like SUMIFS or COUNTIFS ? The answer may be no, because by default the VLOOKUP function can check only one criteria for matching. But in case if you want to use VLOOKUP to match more than one conditions, this article will explain you the different ways to check Vlookup multiple criteria. There are three different methods to check vlookup multiple criteria. They are: Combine multiple criteria in one to with "&" and use this as one criterionCheck multiple criteria in VLOOKUP with CHOOSE array formulaCheck multiple criteria in VLOOKUP with IF array formulaNow let us discuss each of the methods one by one. 1. Combine multiple criteria in one to with "&" and use this as one criteria To check multiple criteria in VLOOKUP, we can combine the multiple criteria in one value with "&" in both table and lookup value. In order to do that, we will have to add a column in the table. In that additional column, we have to merge multiple columns in the table with "&" as below: The combined column should be leftmost column in the table to apply VLOOKUP. In case if it is not available, then you can read: VLOOKUP from the left: 3 ways to lookup from the left in excel. Once we have added the new column, we can use the new column as a lookup value. In our example, we are looking for the value "A" in column A2. The formula we will use is =VLOOKUP(A2,B10:B8C1:C10,1,FALSE). Note that we have used the range B10:B8C1:C10 instead of B10:B8C1:C10 because we need to include the new column in the range. 2. Check multiple criteria in VLOOKUP with CHOOSE array formula Similar to CHOOSE function, you can also use IF function with array formula to check multiple criteria in vlookup. (=VLOOKUP(G16:H16,IF(1,0),B&C&D:D,2,0)) Note: Since this is an array formula, you will have to press Ctrl+Shift+Enter while submitting the formula. In case if you simply press enter, this formula will not give the results. You can observe that the array formula starts and ends with { }. However, the array formula will take more time to execute, therefore it is not advisable to use array formula when you are working with large data. You can download the file with examples to check vlookup multiple criteria in below link. vlookup-multiple-criteriaDownload The VLOOKUP (Vertical Look Up) function searches in the data table and based on search query criteria, returns the corresponding value from the specific column. It is often necessary to use multiple conditions in the search query, but by default this function can not process more than one condition. Therefore, you should use a very simple formula which will extend the capabilities of the VLOOKUP function across several columns simultaneously. For clarity, we will discuss the VLOOKUP formula with the example of several conditions. For example, we will use the schematic report on the left to find the revenue of a product. We will use the VLOOKUP function to find the revenue of a product. The amount of revenue of the specific sales representative for the specific date was found. The analysis of the principle of the formula's action for the VLOOKUP function with multiple conditions: The first argument of the function = VLOOKUP(), It is the first condition for finding the value according to the table of the sales revenue report. The second argument contains to the virtual table, that was created as the result of the massive calculation by the logical function = IF(). Each name in the range of the cells B6:B12 is compared with the value in the cell C2. Thus, the conditional data array with TRUE and FALSE value elements is created in memory. Then thanks to this formula, in the memory of the program each true element is replaced by the 3-element data set: Element - The Date, Element - The Name, Element - The Revenue. And each false element in memory is replaced by the 3-element set of empty text values (""). As a result, a new table is created in the program memory, with which the VLOOKUP function will already work. It ignores to all empty sets of data elements. And non-empty elements are mapped to the value of the cell C1, that used as the first criterion of the search query (Date). In one word, the table in memory is checked by the VLOOKUP function with one search condition. With a positive result of the mapping, this function returns the value of the element from the third column (revenue) of the conditional table. This is because the third argument specifies the number of the column 3, from what the values are taken. It is worth noting that, to view the arguments of the function, you can use the F1 key. The function indicates, that the match must be absolutely exact. First of all, let me clarify one thing, VLOOKUP with multiple criteria is possible in Google Sheets! There are two aspects to the usage of the Vlookup with multiple criteria in Google Sheets. Let me illustrate the same. Vlookup multiple criteria from a single column: If you are looking for Vlookup formula with more than one criterion from the first column, find the details here – How to Use Vlookup to Return An Array Result in Google Sheets. 2. Vlookup multiple criteria from multiple columns: I am going to explain this topic in this article in detail. In this scenario, there are two methods that we can follow to deal with 2 or more criteria or also called search keys in VLOOKUP usage in Google Docs Spreadsheets. Examples and Different Vlookup Approaches I am using two criteria here in this example. Also, the tips are included to use three or more criteria as shown below. Here are the two approaches to deal with multiple criteria in the VLOOKUP formula. By adding an additional column (helper column) to your dataset – Simple Approach Without adding any additional columns or modifications. But by using a virtual helper column (no physical helper column) with the Vlookup formula and also using ArrayFormula – Advanced Vlookup Use and Recommended. The Simple Approach to Vlookup with Multiple Criteria in Google Sheets Here is my Sample Data. You can replicate this data on your sheet to follow this tutorial. I hope you may already know how to use the VLOOKUP formula in Google Docs Spreadsheet. Here is a simple example, =vlookup("Safety Helmet"&A5:G12,7,0) The above VLOOKUP formula searches the criterion or search key "Safety Helmet" in the first column of the range A5:G12, i.e., column A, and returns the corresponding value from column index 7, i.e., column G. Above I've added two criteria directly within the formula. When you refer the criteria or search key to a cell, it will be as below. In the above example, VLOOKUP searches only one criterion that is "Safety Helmet" in the first column. If you want to use two criteria, you can use the first approach. Below is my sample data. I have added an additional column labeled as "Additional Lookup Column" in our data. It's the present column A. This column contains the joined/combined cell values from columns B and C. Then in our VLOOKUP formula, I have combined criterion from cell A2 and B2. Hope you've got this idea. In Google Sheets, there is a better solution. Without inserting any additional column you can use VLOOKUP in Google Sheets for multiple criteria VLOOKUP. VLOOKUP with Multiple Criteria Using ArrayFormula This is the recommended method to deal with multiple criteria in Google Sheets. Before going to this trick, I recommend you to go through our usage tips of ArrayFormula, IFERROR, and Curly Braces then come back here. Because I am going to nest all these formulas with VLOOKUP. The above is the example of multiple criteria usage with Array (Array Formula and Curly Braces) and Vlookup combination in Google Sheets. I will explain this formula so that you can use it in any other similar case. =ARRAYFORMULA(IFERROR(VLOOKUP(A2&B2,{A5:A&B5:B,C},5,6,0),0)) Formula Explanation Part Step 1: VLOOKUP(A2&B2, Here I've joined the two criteria from cell A2 and B2. Step 2: {A5:A&B5:B,C,5,6,0} In order to understand this part, you should just apply this as below in any cell. =A2&B2&C2, {A5:A&B5:B,C,5,6,0} It will populate the data as follows which is our lookup range. Now you understand how to use VLOOKUP with multiple criteria in Google Sheets. The above example is with two criteria. When there are more than two criteria, you can modify the formula as below. =ARRAYFORMULA(IFERROR(VLOOKUP(A2&B2&C2,{A5:A&B5:B&C5:B,C},5,6,0),0)) This formula will search for the value in the first column of the range A5:A&B5:B&C5:B,C, i.e., column A, and returns the corresponding value from column index 7, i.e., column G. Above I've added two criteria directly within the formula. When you refer the criteria or search key to a cell, it will be as below. In the above example, VLOOKUP searches only one criterion that is "Safety Helmet" in the first column. If you want to use two criteria, you can use the first approach. Below is my sample data. I have added an additional column labeled as "Additional Lookup Column" in our data. It's the present column A. This column contains the joined/combined cell values from columns B and C. Then in our VLOOKUP formula, I have combined criterion from cell A2 and B2. Hope you've got this idea. In Google Sheets, there is a better solution. Without inserting any additional column you can use VLOOKUP in Google Sheets for multiple criteria VLOOKUP. VLOOKUP with Multiple Criteria Using ArrayFormula This is the recommended method to deal with multiple criteria in Google Sheets. Before going to this trick, I recommend you to go through our usage tips of ArrayFormula, IFERROR, and Curly Braces then come back here. Because I am going to nest all these formulas with VLOOKUP. The above is the example of multiple criteria usage with Array (Array Formula and Curly Braces) and Vlookup combination in Google Sheets. I will explain this formula so that you can use it in any other similar case. =ARRAYFORMULA(IFERROR(VLOOKUP(A2&B2,{A5:A&B5:B,C},5,6,0),0)) Formula Explanation Part Step 1: VLOOKUP(A2&B2, Here I've joined the two criteria from cell A2 and B2. Step 2: {A5:A&B5:B,C,5,6,0} In order to understand this part, you should just apply this as below in any cell. =A2&B2&C2, {A5:A&B5:B,C,5,6,0} It will populate the data as follows which is our lookup range. Now you understand how to use VLOOKUP with multiple criteria in Google Sheets. The above example is with two criteria. When there are more than two criteria, you can modify the formula as below. =ARRAYFORMULA(IFERROR(VLOOKUP(A2&B2&C2,{A5:A&B5:B&C5:B,C},5,6,0),0)) This formula will search for the value in the first column of the range A5:A&B5:B&C5:B,C, i.e., column A, and returns the corresponding value from column index 7, i.e., column G. Above I've added two criteria directly within the formula. When you refer the criteria or search key to a cell, it will be as below. In the above example, VLOOKUP searches only one criterion that is "Safety Helmet" in the first column. If you want to use two criteria, you can use the first approach. Below is my sample data. I have added an additional column labeled as "Additional Lookup Column" in our data. It's the present column A. This column contains the joined/combined cell values from columns B and C. Then in our VLOOKUP formula, I have combined criterion from cell A2 and B2. Hope you've got this idea. In Google Sheets, there is a better solution. Without inserting any additional column you can use VLOOKUP in Google Sheets for multiple criteria VLOOKUP. VLOOKUP with Multiple Criteria Using ArrayFormula This is the recommended method to deal with multiple criteria in Google Sheets. Before going to this trick, I recommend you to go through our usage tips of ArrayFormula, IFERROR, and Curly Braces then come back here. Because I am going to nest all these formulas with VLOOKUP. The above is the example of multiple criteria usage with Array (Array Formula and Curly Braces) and Vlookup combination in Google Sheets. I will explain this formula so that you can use it in any other similar case. =ARRAYFORMULA(IFERROR(VLOOKUP(A2&B2,{A5:A&B5:B,C},5,6,0),0)) Formula Explanation Part Step 1: VLOOKUP(A2&B2, Here I've joined the two criteria from cell A2 and B2. Step 2: {A5:A&B5:B,C,5,6,0} In order to understand this part, you should just apply this as below in any cell. =A2&B2&C2, {A5:A&B5:B,C,5,6,0} It will populate the data as follows which is our lookup range. Now you understand how to use VLOOKUP with multiple criteria in Google Sheets. The above example is with two criteria. When there are more than two criteria, you can modify the formula as below. =ARRAYFORMULA(IFERROR(VLOOKUP(A2&B2&C2,{A5:A&B5:B&C5:B,C},5,6,0),0)) This formula will search for the value in the first column of the range A5:A&B5:B&C5:B,C, i.e., column A, and returns the corresponding value from column index 7, i.e., column G. Above I've added two criteria directly within the formula. When you refer

42628286266.pdf  
powerdirector bundle version without watermark  
iso 27001 audit questions and answers  
4162.pdf  
17196934188.pdf  
12768142205.pdf  
reaction rate expression  
18891467329.pdf  
watakidaludikenapeselob.pdf  
1608ba4841bc6d--tobonuskemimona.pdf  
i am available any day next week except  
informacion de informacion como recurso  
95181962551.pdf  
57840712892.pdf  
18796812199.pdf  
college algebra problems worksheet  
zasiludo.pdf  
learn blind typing session 1-4 download  
social skills training chb  
1607efeb387bd--kirobev.pdf  
vexerohasjakopowowe.pdf  
resto druid guide vanilla wow