Microsoft Excel VLOOKUP Refresher



When you use VLOOKUP, you're essentially saying, "Here's a value. Go to another location, find a match for my value, and then show me the words or numbers that reside in a cell that corresponds to that matching value." If it helps, think of that third value (col_index_num) as your search result. The first three arguments for VLOOKUP are required; the last one is optional, but defaults to TRUE if you leave it out.



Microsoft Excel **VLOOKUP** Refresher

Let's look at a VLOOKUP formula in action. Imagine that you have a workbook containing data about your web site. The workbook contains a worksheet called Page Views (with a set of page IDs that uniquely identify each site page and the hits it receives) and another called Pages (with the page IDs and the names of the pages that correspond to each ID). Your goal is to find and display page names that match the page IDs. For a more detailed explanation of this example, see page 3.

=VLOOKUP(A2, PAGES!\$A\$2:\$B\$39, 2, FALSE)



On the Page Views worksheet, the VLOOKUP formula in cell B2 tells Excel to take the value in cell A2, switch to the Pages worksheet, and locate a match.

The FALSE argument at the end of the the formula tells Excel that the match must be exact.

B2 - fx =				=VLOOKUP(A2, Pages!\$A\$2;\$B\$39, 2, FALSE)				
	Δ			C				
4	A Dage ID	D Dago Namo	Dago Miouro		Lit Descentage			
-	Page ID	Page Name	Page views		Hit Percentage			
2	28000546	Home Page 🛛 🚽 🗸	1	,457,170		49.49%	6	
3	28001169			490,190		16.65%	6	
4	28000519		163,540		5.55%		6	
5	28000438		117,360			3.99%	6	
6	28000411			75.060		2.550	·	
7	28000550			A	\		В	
8	28000410		1	Page	e ID		Page Na	me
9	28000409		2	280	00911	National	News 1	
10	28000440		3	280	01616	National	News 2	
11 28000520		4	280	00413	National	News 3		
Page Views / Pages / 🛀			5	280	00543	National	News 4	
			5	200	00345	National	NCW34	
e Pages worksheet,			6-	280	00546	Home Pa	age	
KUP looks in the leftmost			7	280	01169	Comics 8	k Humor	
n of cells A2 through B39			8	280	00519	Internat	ional News	51
natch to the value in cell			9	280	28000438 Inte		ional News	52
the Page Views tab			10	28000411 Inte		Internat	ternational News 3	
natch exists, the formula			11	280	00550	Internat	ional News	54
s to column 2 (Page Name)			14 4		Page	Views	Pages /	
							- ugus /	

Back on the Page Views worksheet. in the cell containing the formula, Excel displays the page name it found.

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...if a n moves to retrieve the corresponding page name.

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=VLOOKUP(A2, PAGES!\$A\$2:\$B\$39, 2, FALSE) On the Page Views On the Pages worksheet, search ...and when you find a match, ...while you're at it, find an worksheet, use the the leftmost column of cells A2 display the corresponding page exact match to the search value in cell A2 as your through B39 for a match to the name term search term value in cell A2... Argument Notes lookup_value This is your search term, or the word or value that you want to find. In this example, the search term is the 8-digit page ID number found in cell A2 on the Page Views worksheet. Think of this as the lookup table, or the range of cells that you want to search. The cells reside on another worksheet, so the worksheet table_array name (Pages) precedes the range values (\$A\$2:\$B\$39). The exclamation point (!) separates the sheet reference from the cell reference. If you want to search through a range residing on the same page as the formula, remove the sheet name and exclamation point. Also, the dollar signs in this range indicate that this range is an absolute—or "locked"—reference. If you lock the lookup table, Excel always refers back to cells A2 through B38, no matter where you copy the VLOOKUP formula. col index num This is the column in the lookup table that contains the values you want to find. For example, column B in the Pages worksheet contains the page names that you want to find. Since B is the second column in the defined range of cells (A\$2:\$B\$39), the function uses 2. range_lookup The fact that we've used FALSE here means that Excel will try to find an exact match for our Page ID number. If Excel can't find an exact match, you'll see a #N/A error. If you use a value of TRUE or 1, or leave this argument out altogether, VLOOKUP returns the next lowest match to your search term. For example, if you're looking for the number 96, and there is no such number in the table, but there is a 90, VLOOKUP will consider that a match and deliver 90 as the result.