

Question: Is there a way to count the number of cells based on whether cells are upper or lower case?

Answer: Yes, using a combination of functions, including the EXACT function.

Process (Excel 2003 and 2007):

In this Tip & Trick, we will use a combination of UPPER, LOWER, EXACT, IF and COUNTIF functions to count the number of upper case values in a range.

The UPPER function converts all text in a cell to upper case and the LOWER function converts all text to lower case. The EXACT function compares two pieces of text and if they are an exact match, returns TRUE, otherwise it returns FALSE.

	A	B	C
1	WORD 1	UPPER/LOWER	COUNT
2	horse		
3	Car		
4	RUGBY		
5	shoEs		
6	CRICKET		
7			

1 Select cell B2

2 Type in =IF(EXACT(UPPER(A2),A2),"Upper",IF(EXACT(LOWER(A2),A2),"Lower","Mixed"))) and press **Enter**

	A	B	C	D	E	F	G	H	I	J
1	WORD 1	UPPER/LOWER	COUNT							
2	horse	Lower								
3	Car									
4	RUGBY									
5	shoEs									
6	CRICKET									

The function works in the following way:

- The UPPER function converts cell A2 to all upper case (UPPER(A2),A2))
- The EXACT function compares the upper case version of A2 with itself and returns either TRUE or FALSE, in this case it would be FALSE (EXACT(UPPER(A2),A2))

- The IF function takes the TRUE or FALSE from the EXACT function and if TRUE, returns “Upper” (IF(EXACT(UPPER(A2),A2),”Upper”))
- If the EXACT function returns FALSE, the IF statement then does the same check, but this time using the LOWER function to compare the cells (IF(EXACT(LOWER(A2),A2))
- If this second IF returns TRUE, the text “Lower” is returned. If it returns FALSE, “Mixed” is returned (IF(EXACT(LOWER(A2),A2),”Lower”,”Mixed”))

3 Copy the formula down to cell B6

	A	B	C	D	E	F	G	H	I	J
1	WORD 1	UPPER/LOWER	COUNT							
2	horse	Lower								
3	Car	Mixed								
4	RUGBY	Upper								
5	shoEs	Mixed								
6	CRICKET	Upper								

4 Select cell C2

5 Type in =COUNTIF(B2:B6,”Upper”) and press Enter

	A	B	C	D	E
1	WORD 1	UPPER/LOWER	COUNT		
2	horse	Lower	2		
3	Car	Mixed			
4	RUGBY	Upper			
5	shoEs	Mixed			
6	CRICKET	Upper			

The COUNTIF function will then look through cells B2 to B6 and count the number of times the word **Upper** appears.