



#1 Excel tutorial on the net

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This example teaches you how to lookup a value in a two-dimensional range. We use the MATCH and INDEX function.

Below you can find the sales of different ice cream flavors in each month.

1. To find the row number of Feb, use the MATCH function.

	A	B	C	D	E	F	G	H	I
1		Chocolate	Strawberry	Vanilla					
2	Jan	544	639	189		Month	Feb	=MATCH(G2,A2:A13,0)	
3	Feb	217	719	679		Flavour	Chocolate		
4	Mar	810	178	810					
5	Apr	567	926	929					
6	May	745	230	364					
7	Jun	298	820	947					
8	Jul	457	522	832					
9	Aug	495	500	239					
10	Sep	871	391	529					
11	Oct	585	225	791					
12	Nov	478	262	540					
13	Dec	741	883	809					
14									
15									

Chapter

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2. To find the column number of Chocolate, use the MATCH function.

	A	B	C	D	E	F	G	H	I
1		Chocolate	Strawberry	Vanilla					
2	Jan	544	639	189		Month	Feb	2	
3	Feb	217	719	679		Flavour	Chocolate	=MATCH(G3,B1:D1,0)	
4	Mar	810	178	810					
5	Apr	567	926	929					
6	May	745	230	364					
7	Jun	298	820	947					
8	Jul	457	522	832					
9	Aug	495	500	239					
10	Sep	871	391	529					
11	Oct	585	225	791					
12	Nov	478	262	540					
13	Dec	741	883	809					
14									
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3. To find the sales of Chocolate in February, use the INDEX function.

G5 fx =INDEX(B2:D13,H2,H3)									
	A	B	C	D	E	F	G	H	I
1		Chocolate	Strawberry	Vanilla					
2	Jan	544	639	189		Month	Feb	2	
3	Feb	217	719	679		Flavour	Chocolate	1	
4	Mar	810	178	810					
5	Apr	567	926	929		Sales	217		
6	May	745	230	364					
7	Jun	298	820	947					
8	Jul	457	522	832					
9	Aug	495	500	239					
10	Sep	871	391	529					
11	Oct	585	225	791					
12	Nov	478	262	540					
13	Dec	741	883	809					
14									
15									

4. Put it all together.

G5 fx =INDEX(B2:D13,MATCH(G2,A2:A13,0),MATCH(G3,B1:D1,0))									
	A	B	C	D	E	F	G	H	I
1		Chocolate	Strawberry	Vanilla					
2	Jan	544	639	189		Month	Feb		
3	Feb	217	719	679		Flavour	Chocolate		
4	Mar	810	178	810					
5	Apr	567	926	929		Sales	217		
6	May	745	230	364					
7	Jun	298	820	947					
8	Jul	457	522	832					
9	Aug	495	500	239					
10	Sep	871	391	529					
11	Oct	585	225	791					
12	Nov	478	262	540					
13	Dec	741	883	809					
14									
15									

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