How can I convert a date to a week number in VBA?

Authored by

stats writer

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The process of converting a date into a week number in VBA involves utilizing built-in functions and mathematical calculations to determine the corresponding week number for a given date. This can be achieved by first obtaining the day of the week for the given date, then calculating the number of days that have passed since the beginning of the year, and finally dividing that number by 7 to determine the week number. This method allows for the efficient and accurate conversion of dates into week numbers in VBA.

VBA: Convert Date to Week Number

You can use the following basic syntax in VBA to convert a date to a week number:

```
Sub FindWeekNumber()

Dim i As Integer

For i = 2 To 9
Range("B" & i) = WorksheetFunction.WeekNum(Range("A" & i))
Next i

End Sub
```

This particular example will find the week number for each date in the range A2:A9 and display the results in the range B2:B9.

Note that the VBA WeekNum method assumes that

weeks start on Sundays.

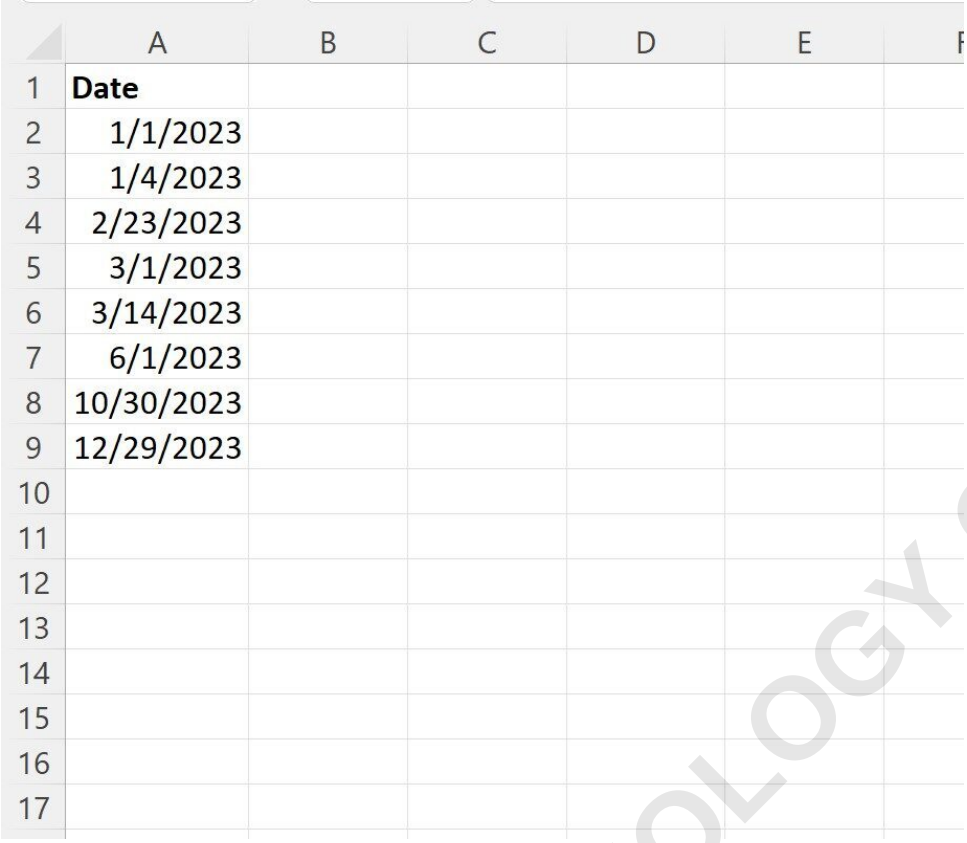
To specify a different day as the start of the week, you can add a second argument to the WeekNum method:

```
Sub FindWeekNumber()

Dim i As Integer

For i = 2 To 9
Range("B" & i) = WorksheetFunction.WeekNum(Range("A" & i), vbMonday)
Next i

End Sub
```

The following example shows how to use the WeekNum method to convert dates to week numbers in practice.

Example: Convert Date to Week Number in VBA

Suppose we have the following column of dates in Excel:



	A	B	C	D	E
1	**Date**				
2	1/1/2023				
3	1/4/2023				
4	2/23/2023				
5	3/1/2023				
6	3/14/2023				
7	6/1/2023				
8	10/30/2023				
9	12/29/2023				
10					
11					
12					
13					
14					
15					
16					
17					

Suppose we would like to convert each date to a week number and display the week number in column B.

We can create the following macro to do so:

```
Sub FindWeekNumber()

Dim i As Integer

For i = 2 To 9
Range("B" & i) = WorksheetFunction.WeekNum(Range("A" & i))
```

Next i

End Sub

When we run this macro, we receive the following output:

	A	B	C	D	E
1	**Date**	**Week Number**			
2	1/1/2023	1			
3	1/4/2023	1			
4	2/23/2023	8			
5	3/1/2023	9			
6	3/14/2023	11			
7	6/1/2023	22			
8	10/30/2023	44			
9	12/29/2023	52			
10					
11					
12					
13					
14					
15					
16					
17					
18					

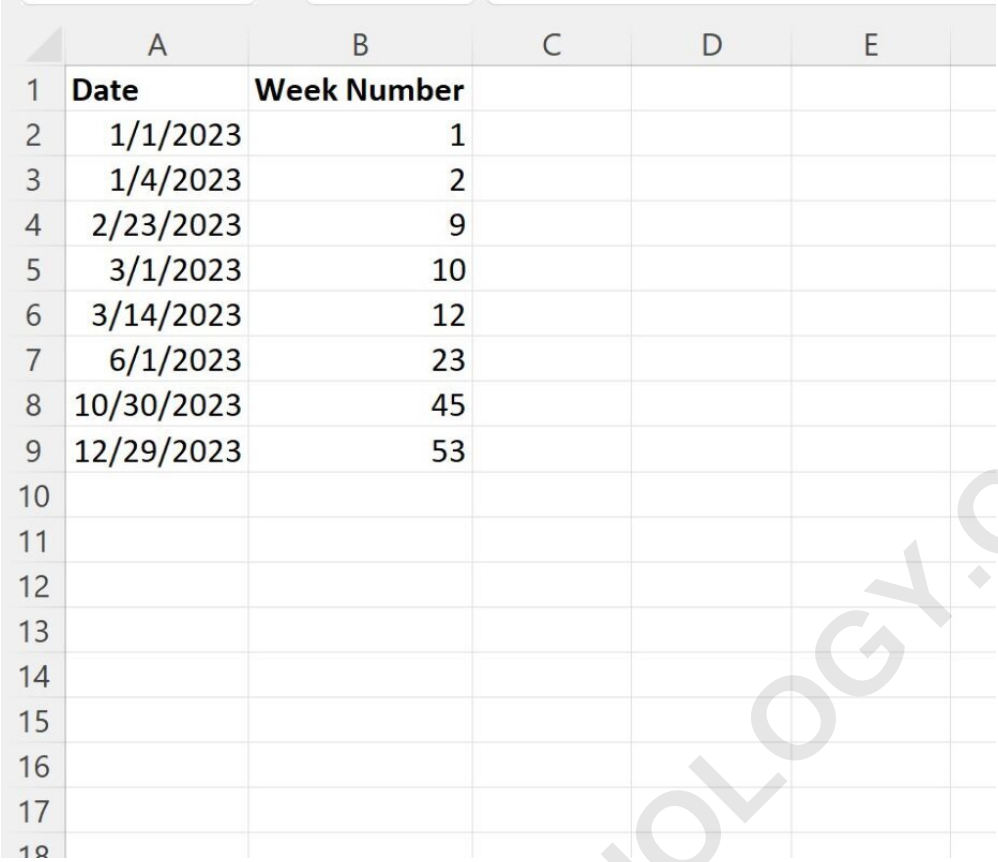
Column B displays the week number for each date in column B, assuming that the weeks start on Sundays.

If you'd like to specify a different day as the start of the week, such as Monday, you can use the following

syntax:

```
Sub FindWeekNumber()

Dim i As Integer

For i = 2 To 9
Range("B" & i) = WorksheetFunction.WeekNum(Range("A" & i), vbMonday)
Next i

End Sub
```

When we run this macro, we receive the following output:



	A	B	C	D	E
1	**Date**	**Week Number**			
2	1/1/2023	1			
3	1/4/2023	2			
4	2/23/2023	9			
5	3/1/2023	10			
6	3/14/2023	12			
7	6/1/2023	23			
8	10/30/2023	45			
9	12/29/2023	53			
10					
11					
12					
13					
14					
15					
16					
17					

Column B now displays the week number for each date in column B, assuming that the weeks start on Mondays.

Note: You can find the complete documentation for the VBA WeekNum method .