How can I calculate a sum by week in Excel?

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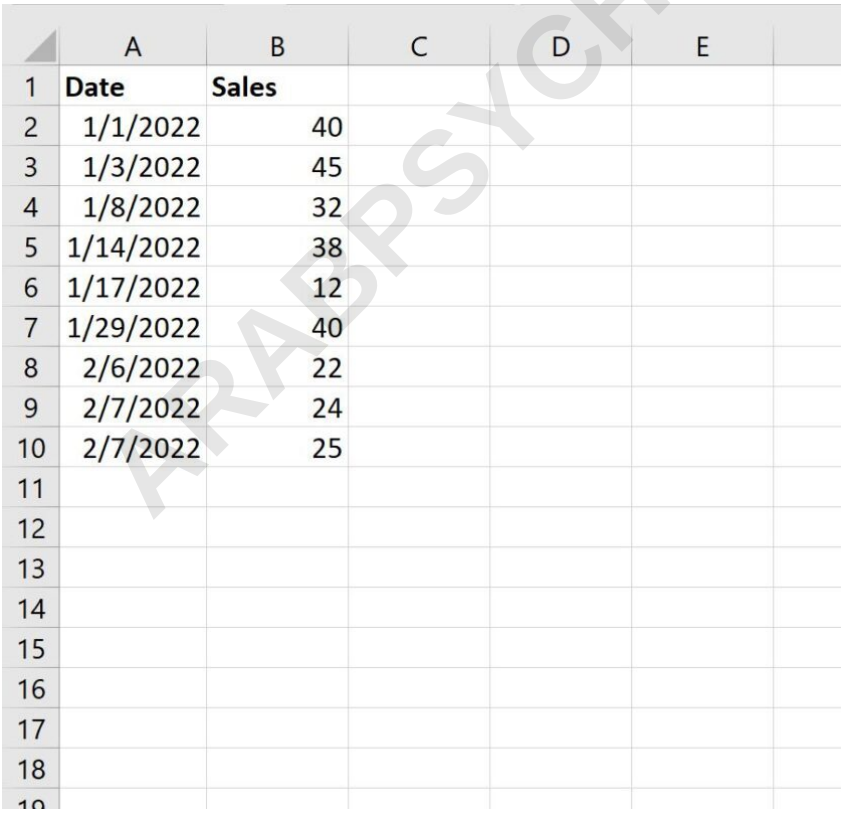
To calculate a sum by week in Excel, you can use the SUMIF function. This function allows you to specify a criteria and a range of cells to sum based on that criteria. In this case, you can create a column with the dates for each transaction and a column with the transaction amounts. Then, you can use the SUMIF function to sum the transaction amounts for each week by specifying the date range and the criteria as the week number. This will give you the total sum for each week in a separate cell, providing a quick and efficient way to calculate a sum by week in Excel.

Sum by Week in Excel (Step-by-Step Example)

Often you may want to sum the values of some dataset in Excel based on week.

For example, suppose we have the following dataset and we'd like to sum the total sales by week:



	A	B	C	D	E
1	**Date**	**Sales**			
2	1/1/2022	40			
3	1/3/2022	45			
4	1/8/2022	32			
5	1/14/2022	38			
6	1/17/2022	12			
7	1/29/2022	40			
8	2/6/2022	22			
9	2/7/2022	24			
10	2/7/2022	25			
11					
12					
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The following step-by-step example shows how to do so.

Step 1: Enter the Data

First, enter the data values into Excel:

	A	B	C	D	E
1	**Date**	**Sales**			
2	1/1/2022	40			
3	1/3/2022	45			
4	1/8/2022	32			
5	1/14/2022	38			
6	1/17/2022	12			
7	1/29/2022	40			
8	2/6/2022	22			
9	2/7/2022	24			
10	2/7/2022	25			
11					
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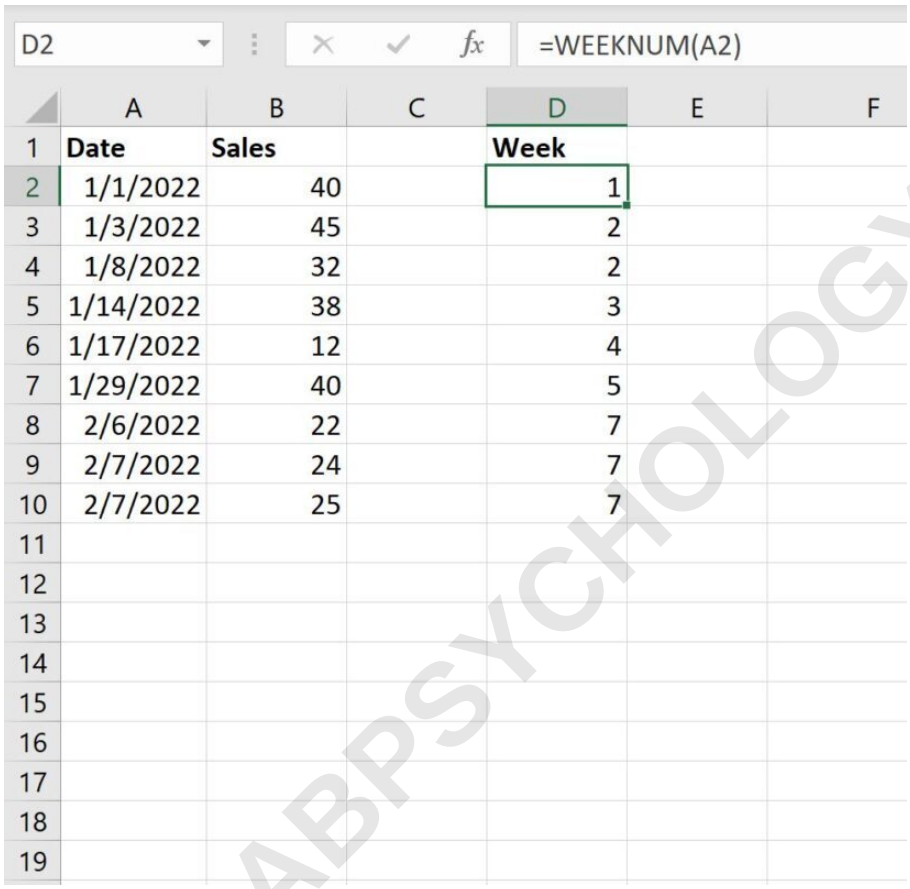
Step 2: Extract the Week Number from Dates

Next, we need to use the =WEEKNUM() function to extract the week number from each date.

In our example, we'll type the following formula in cell D2:

=WEEKNUM(A2)

We'll then drag and fill this formula down to every remaining cell in column D:



	A	B	C	D	E	F
1	Date	Sales		Week		
2	1/1/2022	40		1		
3	1/3/2022	45		2		
4	1/8/2022	32		2		
5	1/14/2022	38		3		
6	1/17/2022	12		4		
7	1/29/2022	40		5		
8	2/6/2022	22		7		
9	2/7/2022	24		7		
10	2/7/2022	25		7		
11						
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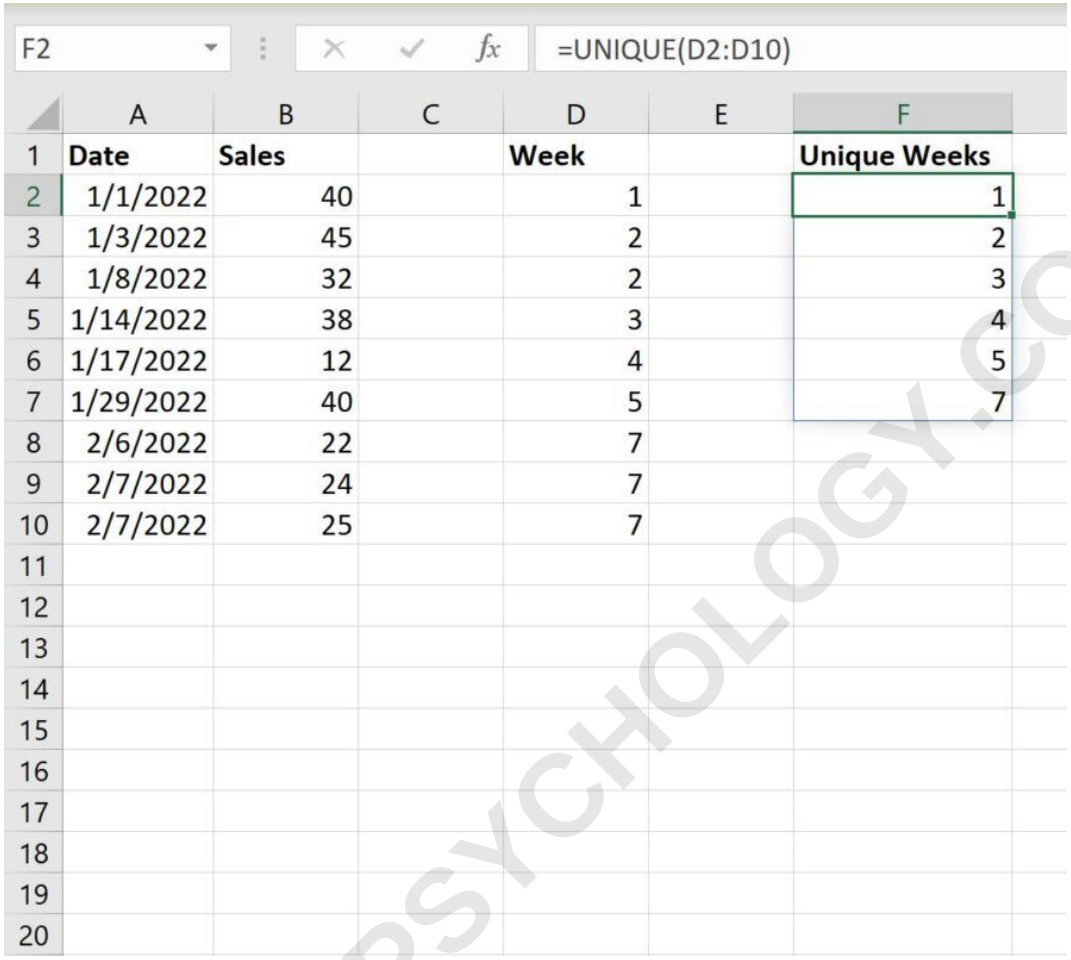
Step 3: Find the Unique Weeks

Next, we need to use the =UNIQUE() function to produce a list of unique week numbers.

In our example, we'll type the following formula in cell F2:

=UNIQUE(D2:D10)



	A	B	C	D	E	F
1	Date	Sales		Week		Unique Weeks
2	1/1/2022	40		1		1
3	1/3/2022	45		2		2
4	1/8/2022	32		2		3
5	1/14/2022	38		3		4
6	1/17/2022	12		4		5
7	1/29/2022	40		5		7
8	2/6/2022	22		7		
9	2/7/2022	24		7		
10	2/7/2022	25		7		
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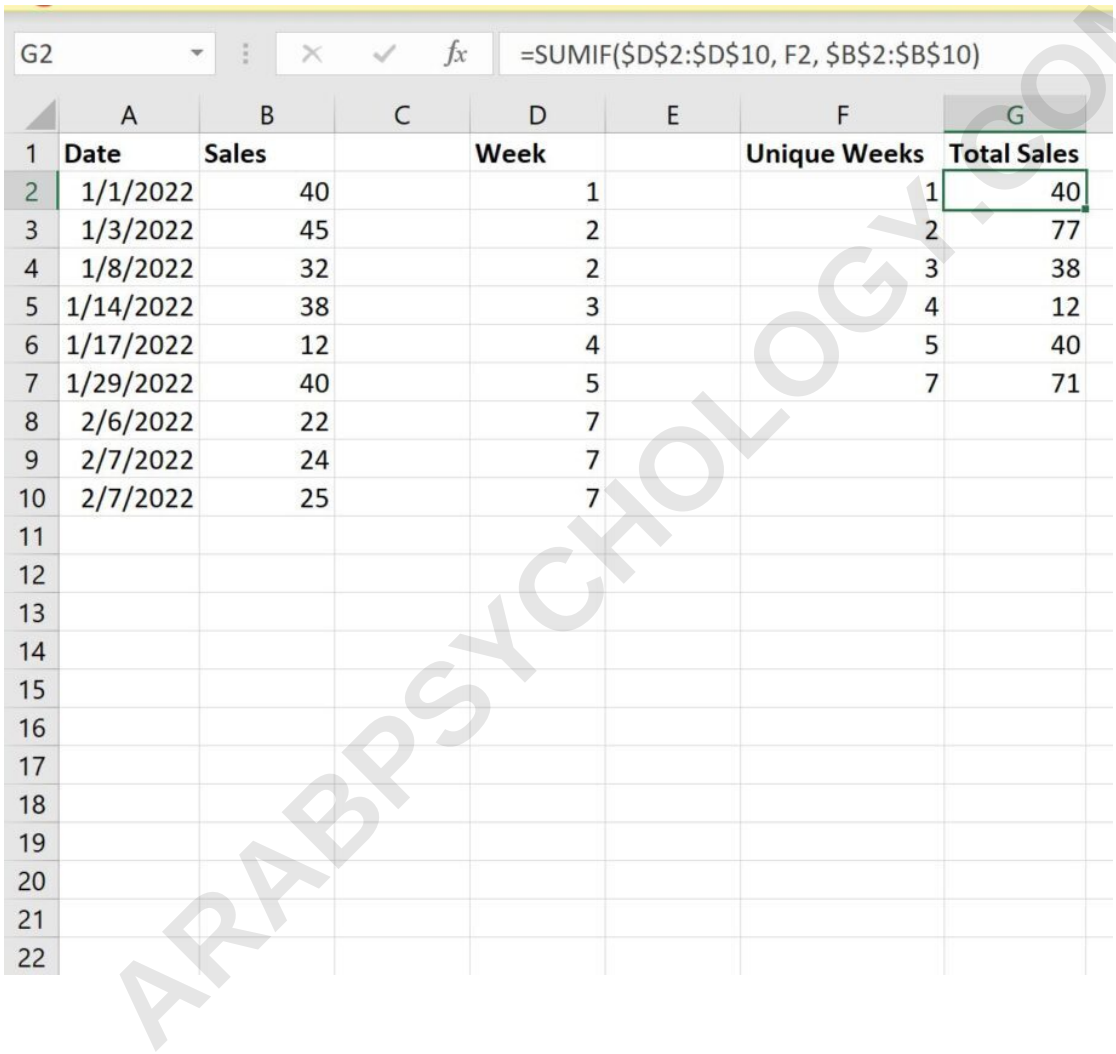
Step 4: Find the Sum by Week

Next, we will use the SUMIF(range, criterion, sum_range) function to find the sum of the sales made during each week.

In our example, we'll type the following formula in cell G2:

=SUMIF($D$2:$D$10, F2, $B$2:$B$10)

We'll then drag and fill this formula down to the remaining cells in column G:



	A	B	C	D	E	F	G
1	Date	Sales		Week		Unique Weeks	Total Sales
2	1/1/2022	40		1		1	40
3	1/3/2022	45		2		2	77
4	1/8/2022	32		2		3	38
5	1/14/2022	38		3		4	12
6	1/17/2022	12		4		5	40
7	1/29/2022	40		5		7	71
8	2/6/2022	22		7			
9	2/7/2022	24		7			
10	2/7/2022	25		7			
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22							

This tells us:

There were 40 total sales made in the first week of the year.There were 77 total sales made in the second week of the year.There were 38 total sales made in the third

week of the year.

And so on.

Additional Resources

The following tutorials explain how to perform other common tasks in Excel: