

How do I calculate the number of years between two dates in Excel?

Authored by
stats writer

June 25, 2024

RECOMMENDED CITATION

stats writer (2024). *How do I calculate the number of years between two dates in Excel?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=152587>

Calculating the number of years between two dates in Excel can be easily done by using the DATEDIF function. This function calculates the difference between two dates in years, months, or days. Simply input the two dates in the correct format and use the DATEDIF function to determine the number of years between them. This is a useful tool for tracking time-based data and can be applied to various tasks such as financial planning, project management, and data analysis. With its simple and efficient method, Excel makes it easy to calculate the number of years between two dates.

Excel: Calculate Years Between Two Dates

You can use the following formulas to calculate the number of years between two dates in Excel:

Formula 1: Calculate Full Years Between Two Dates

=INT(YEARFRAC(A2,B2))

Formula 2: Calculate Fractional Years Between Two Dates

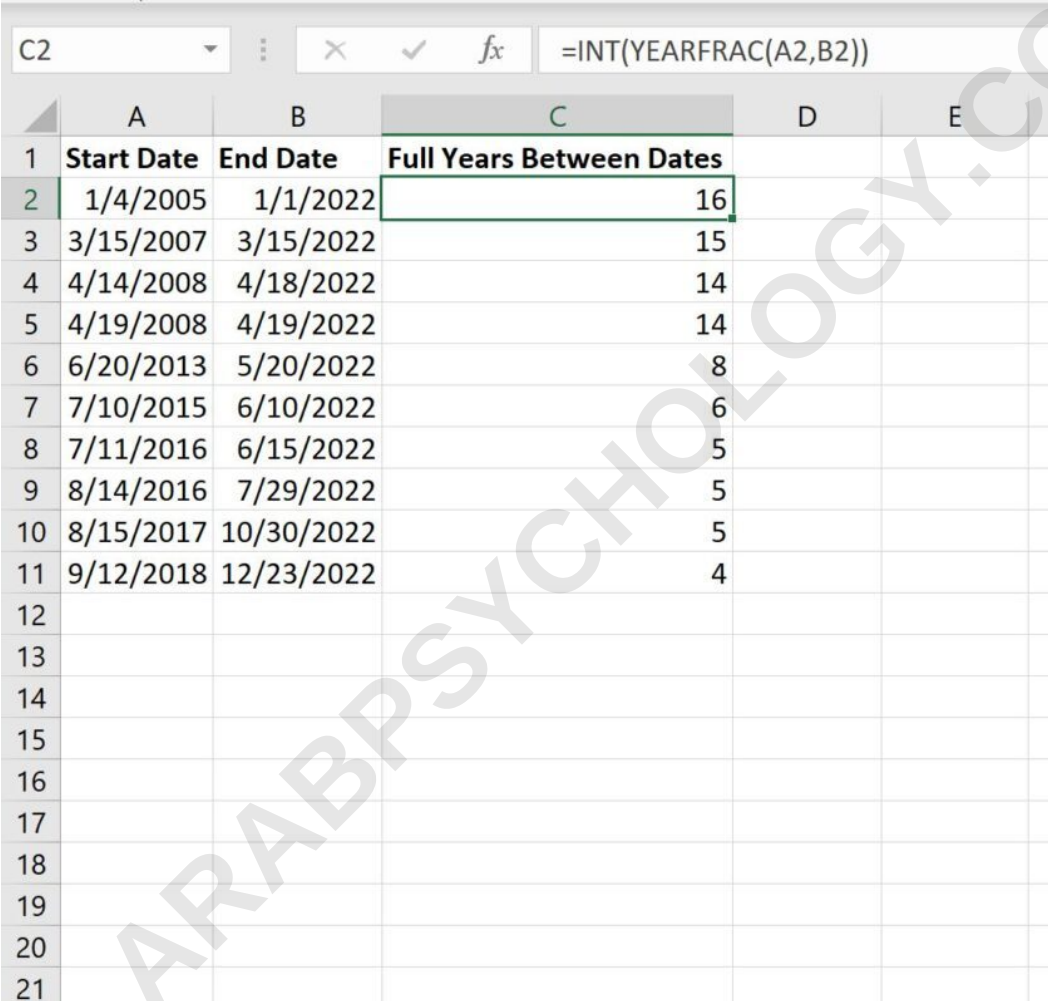
YEARFRAC(A2,B2)

Both formulas assume that cell A2 contains the start date and cell B2 contains the end date.

The following examples show how to use each formula in practice.

Example 1: Calculate Full Years Between Two Dates

The following screenshot shows how to calculate the number of full years between a list of start and end dates in Excel:



	A	B	C	D	E
1	Start Date	End Date	Full Years Between Dates		
2	1/4/2005	1/1/2022	16		
3	3/15/2007	3/15/2022	15		
4	4/14/2008	4/18/2022	14		
5	4/19/2008	4/19/2022	14		
6	6/20/2013	5/20/2022	8		
7	7/10/2015	6/10/2022	6		
8	7/11/2016	6/15/2022	5		
9	8/14/2016	7/29/2022	5		
10	8/15/2017	10/30/2022	5		
11	9/12/2018	12/23/2022	4		
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					

Here's how to interpret the output:

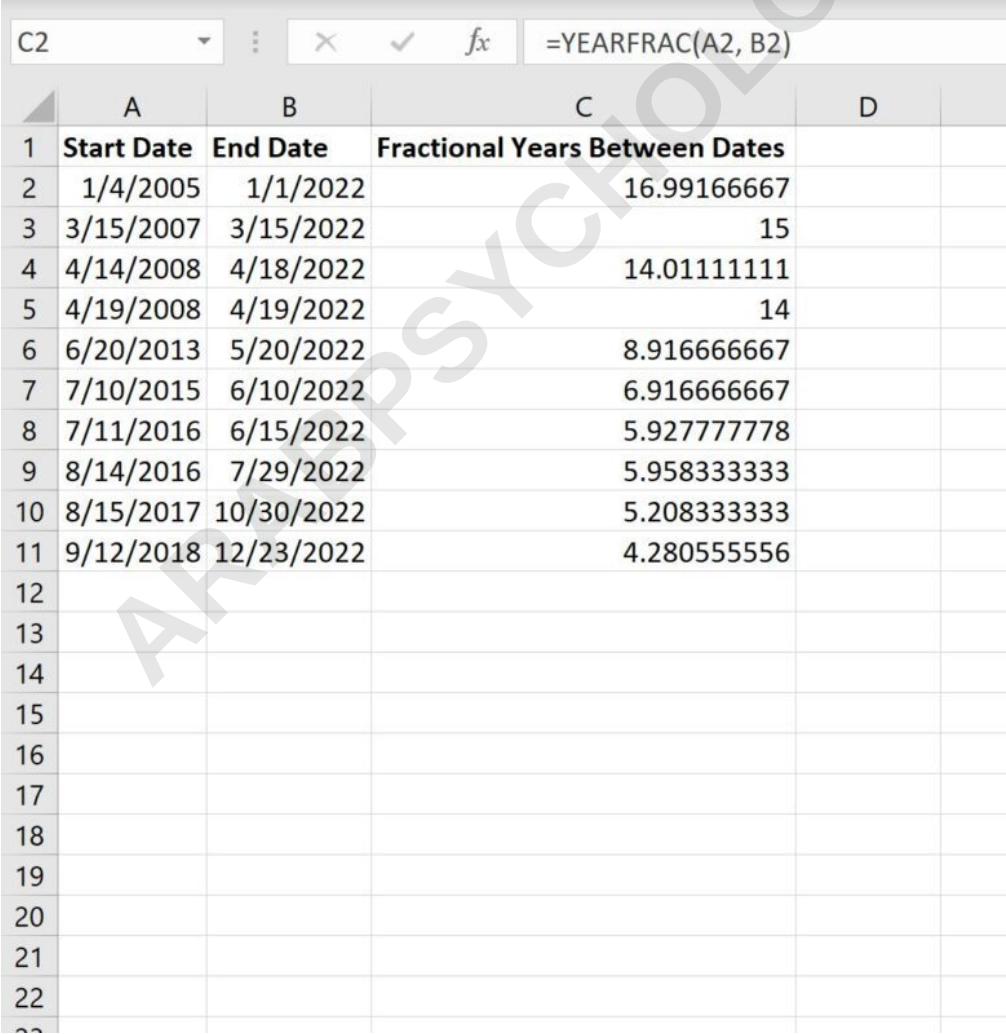
There are 16 full years between 1/4/2005 and 1/1/2022. There are 15 full years between 3/15/2007 and

3/15/2022. There are 14 full years between 4/14/2008 and 4/18/2022.

And so on.

Example 2: Calculate Fractional Years Between Two Dates

The following screenshot shows how to calculate the number of fractional years between a list of start and end dates in Excel:



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D
1	Start Date	End Date	Fractional Years Between Dates	
2	1/4/2005	1/1/2022	16.99166667	
3	3/15/2007	3/15/2022	15	
4	4/14/2008	4/18/2022	14.01111111	
5	4/19/2008	4/19/2022	14	
6	6/20/2013	5/20/2022	8.91666667	
7	7/10/2015	6/10/2022	6.91666667	
8	7/11/2016	6/15/2022	5.92777778	
9	8/14/2016	7/29/2022	5.95833333	
10	8/15/2017	10/30/2022	5.20833333	
11	9/12/2018	12/23/2022	4.28055556	
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

The formula bar shows the formula: `=YEARFRAC(A2, B2)`

Here's how to interpret the output:

There are 16.992 years between 1/4/2005 and 1/1/2022. There are 15 years between 3/15/2007 and 3/15/2022. There are 14.011 years between 4/14/2008 and 4/18/2022.

And so on.

Note: You can find the complete documentation for the YEARFRAC function in Excel .

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