

DAYS function, how to use the function to calculate the number of days between two time points in Excel

The DAYS function in Excel returns the results between two different timelines.

Excel functions are many and divided into categories based on their functions such as database functions, information functions, technical functions, etc. In which there will be 10 functions that we often use in Excel, such as the SUM function in Excel, the IF function or the DAYS function.

DAYS function belongs to the date function group, used to return results between 2 time points. With DAYS function, the calculation of the time interval will be much easier, can be applied to many different cases. The following article will show you how to use DAYS function in Excel.

1. How to separate the date, month, and year columns into 3 different columns in Excel
2. Instructions on how to insert the current date in Excel
3. How to calculate the number of days in Excel
4. Calculation of age in Excel

Instructions for using DAYS function in Excel

DAYS function in Excel has a syntax to use = **DAYS (end_date, start_date)** .

Inside:

1. end_date: the end date to determine the number of days, is a required parameter.
2. start_date: the first day you want to specify the number of days, is a required parameter.

Note when using DAYS function:

1. If end_date and start_date are all numeric, the function uses EndDate - StartDate to calculate the number of days between these two dates.
2. If one of the two end_date and start_date values is textual, the function automatically switches to the date format using the DATEVALUE (date_text) function and then calculates.
3. If end_date and start_date are outside the scope of valid dates, the function returns the #NUM! Error value.
4. If the text argument cannot be converted to a valid date format, the function returns the #VALUE! Error value.

Example 1: Calculate the time gap

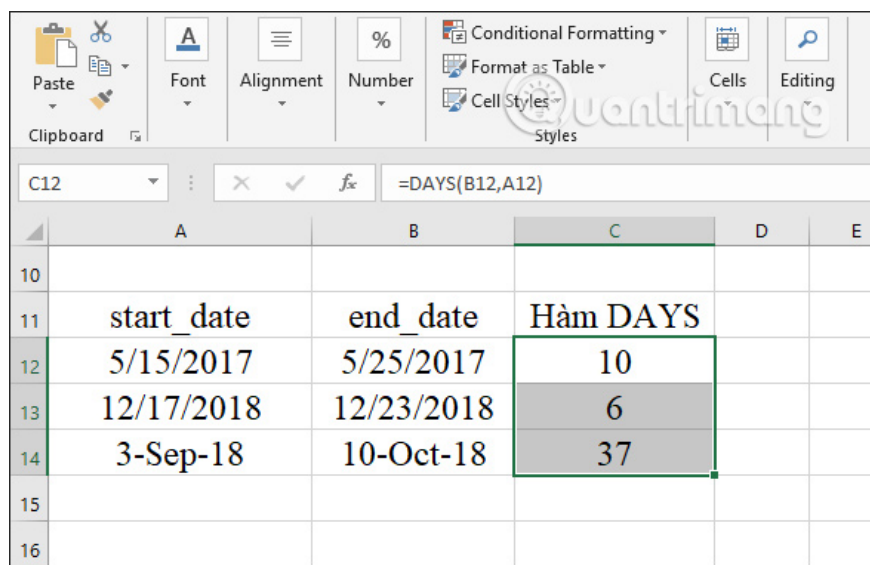
We have the following time table with different timelines and formats.

	A	B	C	D	E
10					
11	start_date	end_date	Hàm DAYS		
12	5/15/2017	5/25/2017			
13	12/17/2018	12/23/2018			
14	3-Sep-18	10-Oct-18			
15					
16					
17					
18					

In the first cell enter the result of the distance calculation, we enter the formula = **DAYS (B12, A12)** and press Enter.

	A	B	C	D	E
10					
11	start_date	end_date	Hàm DAYS		
12	5/15/2017	5/25/2017	=DAYS(B12,A12)		
13	12/17/2018	12/23/2018			
14	3-Sep-18	10-Oct-18			
15					
16					
17					

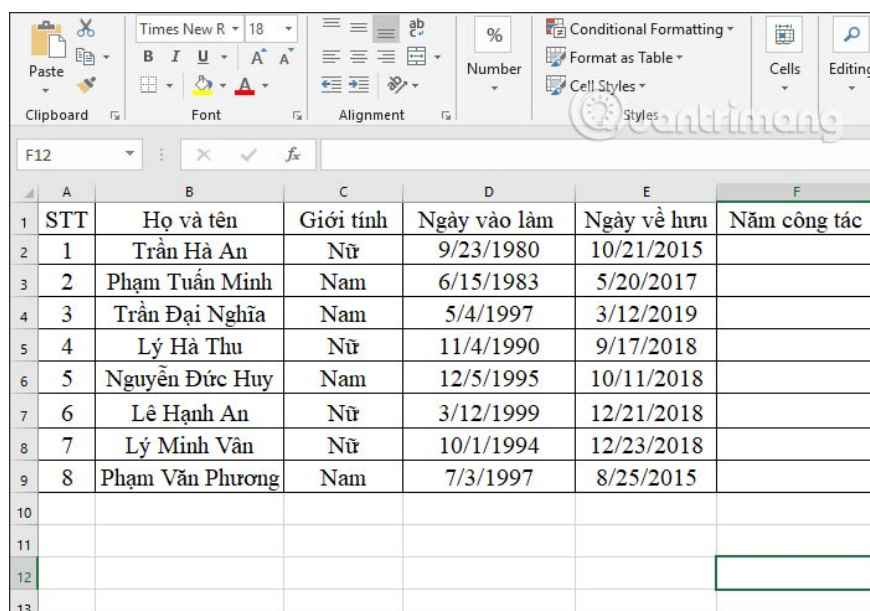
As a result, we have a time gap between two different timelines. You drag the first result box down the remaining cells of the table.



	A	B	C	D	E
10					
11	start_date	end_date	Hàm DAYS		
12	5/15/2017	5/25/2017	10		
13	12/17/2018	12/23/2018	6		
14	3-Sep-18	10-Oct-18	37		
15					
16					

Example 2: Calculate the number of years the employee works

To calculate the number of working years for employees, users must use DAYS function to calculate the working time and then divide it by 365 to get the number of years of work.



	A	B	C	D	E	F
1	STT	Họ và tên	Giới tính	Ngày vào làm	Ngày về hưu	Năm công tác
2	1	Trần Hà An	Nữ	9/23/1980	10/21/2015	
3	2	Phạm Tuấn Minh	Nam	6/15/1983	5/20/2017	
4	3	Trần Đại Nghĩa	Nam	5/4/1997	3/12/2019	
5	4	Lý Hà Thu	Nữ	11/4/1990	9/17/2018	
6	5	Nguyễn Đức Huy	Nam	12/5/1995	10/11/2018	
7	6	Lê Hạnh An	Nữ	3/12/1999	12/21/2018	
8	7	Lý Minh Vân	Nữ	10/1/1994	12/23/2018	
9	8	Phạm Văn Phương	Nam	7/3/1997	8/25/2015	
10						
11						
12						
13						

Step 1:

In the first year of work, enter the formula = **DAYS (E2, D2) / 365** and press Enter.

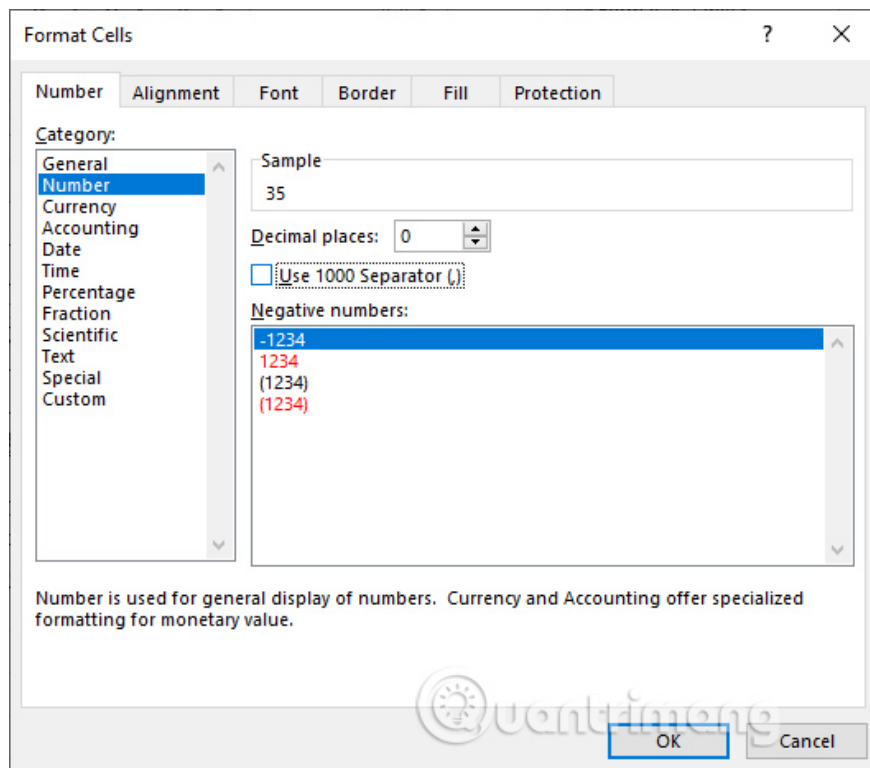
STT	Họ và tên	Giới tính	Ngày vào làm	Ngày về hưu	
1	Trần Hà An	Nữ	9/23/1980	10/21/2015	=DAYS(E2,D2)/
2	Phạm Tuấn Minh	Nam	6/15/1983	5/20/2017	365
3	Trần Đại Nghĩa	Nam	5/4/1997	3/12/2019	
4	Lý Hà Thu	Nữ	11/4/1990	9/17/2018	
5	Nguyễn Đức Huy	Nam	12/5/1995	10/11/2018	
6	Lê Hạnh An	Nữ	3/12/1999	12/21/2018	
7	Lý Minh Vân	Nữ	10/1/1994	12/23/2018	
8	Phạm Văn Phương	Nam	7/3/1997	8/25/2015	

Step 2:

When displaying the first result, scroll down to the remaining cells.

STT	Họ và tên	Giới tính	Ngày vào làm	Ngày về hưu	Năm công tác
1	Trần Hà An	Nữ	9/23/1980	10/21/2015	35
2	Phạm Tuấn Minh	Nam	6/15/1983	5/20/2017	34
3	Trần Đại Nghĩa	Nam	5/4/1997	3/12/2019	22
4	Lý Hà Thu	Nữ	11/4/1990	9/17/2018	28
5	Nguyễn Đức Huy	Nam	12/5/1995	10/11/2018	23
6	Lê Hạnh An	Nữ	3/12/1999	12/21/2018	20
7	Lý Minh Vân	Nữ	10/1/1994	12/23/2018	24
8	Phạm Văn Phương	Nam	7/3/1997	8/25/2015	18

Note if the result does not show the number of years, right-click and choose Format Cells. Then we select the Number format. If the result displays a decimal, remove the product in Use 1000 Separator and enter the number 0 in the Decimal places to show the integer value for the number of years.



In the case of a retired person, we must enter another formula to calculate the number of years of service until the current time of entering data.

STT	Họ và tên	Giới tính	Ngày vào làm	Ngày về hưu	Năm công tác
1	Trần Hà An	Nữ	9/23/1980	10/21/2015	35
2	Phạm Tuấn Minh	Nam	6/15/1983	5/20/2017	34
3	Trần Đại Nghĩa	Nam	5/4/1997	3/12/2019	22
4	Lý Hà Thu	Nữ	11/4/1990	9/17/2018	28
5	Nguyễn Đức Huy	Nam	12/5/1995	10/11/2018	23
6	Lê Hạnh An	Nữ	3/12/1999	12/21/2018	20
7	Lý Minh Vân	Nữ	10/1/1994	Chưa nghỉ	
8	Phạm Văn Phương	Nam	7/3/1997	Chưa nghỉ	

In the input box, enter the formula = **DAYS (TODAY (), D8) / 365** and press Enter. In which cell D8 will be the time to start calculating seniority until the current year.

STT	Họ và tên	Giới tính	Ngày vào làm	Ngày về hưu	Năm công tác
1	Trần Hà An	Nữ	9/23/1980	10/21/2015	35
2	Phạm Tuấn Minh	Nam	6/15/1983	5/20/2017	34
3	Trần Đại Nghĩa	Nam	5/4/1997	3/12/2019	22
4	Lý Hà Thu	Nữ	11/4/1990	9/17/2018	28
5	Nguyễn Đức Huy	Nam	12/5/1995	10/11/2018	23
6	Lê Hạnh An	Nữ	3/12/1999	12/21/2018	20
7	Lý Minh Vân	Nữ	10/1/1994	Chưa nghỉ	
8	Phạm Văn Phương	Nam	7/3/1997	Chưa nghỉ	

Results show and calculate the number of years of service until the current year. Scroll down to the other cell to show the result.

STT	Họ và tên	Giới tính	Ngày vào làm	Ngày về hưu	Năm công tác
1	Trần Hà An	Nữ	9/23/1980	10/21/2015	35
2	Phạm Tuấn Minh	Nam	6/15/1983	5/20/2017	34
3	Trần Đại Nghĩa	Nam	5/4/1997	3/12/2019	22
4	Lý Hà Thu	Nữ	11/4/1990	9/17/2018	28
5	Nguyễn Đức Huy	Nam	12/5/1995	10/11/2018	23
6	Lê Hạnh An	Nữ	3/12/1999	12/21/2018	20
7	Lý Minh Vân	Nữ	10/1/1994	Chưa nghỉ	25
8	Phạm Văn Phương	Nam	7/3/1997	Chưa nghỉ	22

Above are some examples of DAYS functions in Excel. Usually the DAYS function will be combined with other functions such as TODAY, for example, to calculate a certain time period.

I wish you all success!

You finished reading the article "**DAYS function, how to use the function to calculate the number of days between two time points in Excel**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.