



Software · Training · Support

Question: Is there some kind of formula I can use to help me work out various dates I might need in Excel?

Answer: By using a simple (and sometimes not so simple) formula, Excel can supply you with every kind of date you might need to display.

Process: Tried and Tested in 2003 and 2007. Here is what you can do:

Age Calculation
Add Months (EDATE)
Get Day
Age Check
Count Weekdays

Age Calculation

You can use DATEDIF as in `=DATEDIF(A1,TODAY(),"y")` or `=DATEDIF(A1,NOW(),"y")`

An alternative to DATEDIF.

```
=TEXT(IF(OR(MONTH(TODAY())>MONTH(A1),AND(MONTH(TODAY())=MONTH(A1),DAY(TODAY())>=DAY(A1))), (TODAY()-A1)/365.25, (TODAY()-A1)/365.25-1), "0")
```

Add Months (EDATE)

This is an alternative to EDATE if you don't have the Analysis Toolpak installed.

```
=IF(DAY(A1)<>DAY(DATE(YEAR(A1),MONTH(A1)+B1,DAY(A1))),DATE(YEAR(A1),MONTH(A1)+B1+1,0),DATE(YEAR(A1),MONTH(A1)+B1,DAY(A1)))
```

B1 = Months to add

This formula avoids problems with different numbers of days in a month. It will either return the same day in the month added by B1, or it will calculate to the end of that month. (No overlapping into the month immediately after)

or

```
=DATE(YEAR(A1),MONTH(A1)+B1,MIN(DAY(A1),DAY(DATE(YEAR(A1),MONTH(A1)+B1+1,0))))
```

Get Day

Day of the Month

Use `=DAY(A1)` to get the day of a date entered in A1.

Weekday

Use `=WEEKDAY(A1)` then format as `ddd` or `dddd`

or

Use `=TEXT(WEEKDAY(A1),"ddd")` or `=TEXT(WEEKDAY(A1),"dddd")`

Age Check

To see if someone is 20 years old or over use this formula (TRUE means that they are)

```
=AND(ISNUMBER(A1),A1>=20)<DATE(YEAR(TODAY())-20,MONTH(TODAY()),DAY(TODAY()))
```

Count Weekdays

Count remaining weekdays in a month

Enter as Date

```
=INT((DATE(YEAR(TODAY()),MONTH(TODAY())+1,0)-  
DATE(YEAR(TODAY()),MONTH(TODAY()),DAY(A1)))/7+1)
```

It will give the number of remaining weekdays (eg Saturday) of the date you choose for the current month, including the date entered in A1. Adjust to suit.

A1 = Date

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