

Calculating Differences Between Dates and Times



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Module Overview



Comparing given date with current date

- NOW
- TODAY

Calculating differences in time

- TIMEVALUE
- TEXT

Calculating differences in date

- DAYS
- DATEDIF
- DATEVALUE
- DAYS360



Comparing Given Date with Current Date



Comparing Given Date with Current Date

NOW function

TODAY function



Calculating Differences in Times



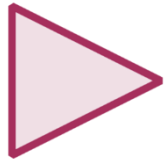
TIMEVALUE Function



Converts text representation of time into a valid excel time



Argument – a text string representing time



Returns – a decimal number representing that particular time



=TIMEVALUE(time_text)



=TEXT()

Converts numeric value to text string in a specific format

2 arguments – value, format_text

Value – numeric value to be converted

Format_text – format you want to apply, supplied within quotation marks

Generally used to combine text and numbers with certain characters



Calculating Differences in Dates - DATEVALUE



Comparing Given Date with Current Date

DATEVALUE

DAYS

DATEDIF

DAYS360



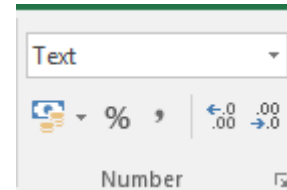
DATEVALUE – Why?

01-01-2011
04-07-2019
12-05-2020
27-02-2021

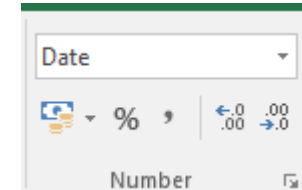
Text – left
aligned

01-01-2011
04-07-2019
12-05-2020
27-02-2021

Date – right
aligned



Format – text /
general



Format - date



DATEVALUE Function

Converts dates from text format to valid serial number recognized as dates

Date_text is the only required argument

`=DATEVALUE(date_text)`

Time information in text strings is ignored



Calculating Differences in Dates – DAYS, DATEDIF and DAYS360



DAYS, DATEDIF and DAYS360

DAYS – number of days
between two dates

=DAYS(end_date,
start_date)

DATEDIF – diff. between
two date values in years,
months or days

=DATEDIF(start_date,
end_date, unit)

DAYS360 – number of
days between two dates
based on 360-day year

=DAYS360(start_date,
end_date, [method])

