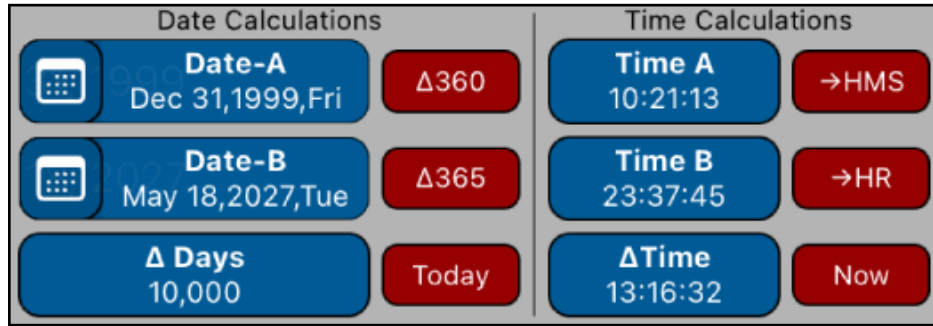



# Date / Time Worksheet



This worksheet allows to perform common date and time calculations in a convenient way with all the values at sight.

Date / Time Menu Actions	
	Shows a Date picker for the Date-A or Date-B.
[ Date A ]	Stores or calculates the Date A value (Date B - ΔDays).
[ Date B ]	Stores or calculates the Date B value (Date A + ΔDays).
[ Δ Days ]	Stores or calculates the days elapsed from 'Date A' to 'Date B'.
[Δ360]	Calculates the days elapsed from Date A to Date B with 360 days year.
[Δ365]	Calculates the days lapsed from Date A to Date B with 365 days year.
[TODAY]	Enters the current date in the calculator.
[ Time A ]	Stores or calculates the Time A value (Time B - ΔTime).
[ Time B ]	Stores or calculates the Time B value (Time A + ΔTime).
[ ΔTime ]	Stores or calculates the time elapsed from Time A to Time B.
[→H.MS]	Convert the displayed number from decimal hours to HMS format.
[→HR]	Convert the displayed number from HMS to decimal hours.
[NOW]	Enters the current time in the calculator.
If any other key is pressed before one of the <b>Blue</b> keys, the displayed number is stored in the corresponding variable. Otherwise, the variable is calculated.	

### Example 1: N° of Days Between Dates (M.DY date format)

Find the number of days between April 20, 1949 and August 2, 1988.

#### Solution:

Keystrokes	Description
4.201949 [Date A]	Stores the initial date in Date A = "04/20/1949 Wed".
8.021988 [Date B]	Stores the final date in Date B = "08/02/1988 Tue".
[ ΔDays ]	Calculate the actual number of days. <b>Result = 14,349</b>
[ Δ360 ]	Calculate 30/360 Year number of days. <b>Result = 14,142</b>
[ Δ365 ]	Calculate 365 Year number of days. <b>Result = 14,339</b>

### Example 2: Future Date (M.DY date format)

At what date will be the day 10,000 of the current millennium ?

#### Solution:

Keystrokes	Description
12.311999 [Date A]	Stores the last date of the previous millennium in Date A.
10000 [ΔDays]	Store the number of days to add in ΔDays.
[Date B]	Calculate the future date. <b>Result = 5.182027 (May 18, 2027).</b>

### Example 3: Time Calculation

How much time has elapsed from 10:21:13 if now the time is 23:37:45?

#### Solution:

Keystrokes	Description
10.2113 [Time A]	Stores the initial time in Time A = "10:21:13"
23.3745 [Time B]	Stores the final time in Time B = "23:37:45"
[ ΔTime ]	Calculate the time difference. Result -> <b>ΔT = 13:16:32</b> (13 hours, 16 minutes and 32 seconds)

## Example 4: Decimal Hour to H:MM:SS format

How can you read 13.2756 decimal number as a time? and the time in 1 hour and 20 minutes more ?

### Solution:

Keystrokes	Description
13.2756 [ <b>→H.MS</b> ]	Result -> <b>13.1632</b> (13 hours, 16 minutes and 32 seconds)
<b>[→HR]</b>	Convert to decimal hours. Result -> <b>13.2756</b>
In RPN mode <b>[ENTER]</b> 1.20 [ <b>→HR</b> ] <b>[+]</b> In ALG or CHN mode <b>[+]</b> 1.20 [ <b>→HR</b> ] <b>[=]</b>	Decimal hours result -> <b>14.6089</b>
<b>[→H.MS]</b>	Result -> <b>14.3632</b> (14 hours, 36 minutes and 32 seconds).