

# Time Formula Functions

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## Overview

The **timeDiff** and **timeOffset** functions use date-related data to perform a calculation or task. These functions do **not** require multiple values and do not require relationships, reference variable types, or data from more than one field or formula.



**Warning:**

*Formulas do not calculate automatically on their own. A formula will re-calculate whenever a variable referenced by the formula changes in value.*

## timeDiff

The **timeDiff** function returns differences between two dates using **Date & Time** variables or a **Date & Time** variable and the **today** function in seconds, days, or hours.

**Example:** Using the dates May 15, 2024 (variable A) and May 14, 2024 (variable B), this function could return the following:

Unit of Time	Formula	Results
Seconds (default)	timeDiff(A,B)	86400
Hours	timeDiff(A,B,"hours")	24
Days*	timeDiff(A,B,"days")	1
Today's Date	timeDiff(today(),B,"days")	1

\* The Days formula can only be used as a workflow condition, not with forms, as the formula does not auto-update.

## timeOffset

The **timeOffset** function offsets (adds or subtracts) seconds, days, or months from a **Date & Time** field variable. The function returns results in Unix (epoch) timestamp format (e.g., May 2018 = 1525132800). For further information, see the [Converting Unix Timestamp Format to Standard Date Format](#) section or Contact [Resolver Support](#) for additional information.

**Example:** Using May 15, 2018 (variable A) as an example, this function could return the following:

Unit of Time	Formula	Results
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Unit of Time	Formula	Results
Seconds	timeOffset(A,86400,"seconds")	1526495700 (May 16, 2018)
Days*	timeOffset(A,2,"days")	1526582100 (May 17, 2018)
Months	timeOffset(A,1,"months")	1529087700 (June 15, 2018)
Days* (Subtracted)	timeOffset(A,-3,"days")	1526150100 (May 12, 2018)
* The Days formula can only be used as a workflow condition, not with forms, as the formula does not auto-update.		

Formulas can display dates using date formats. Existing formulas will need to be updated to date to display dates using date formats instead of Unix code.