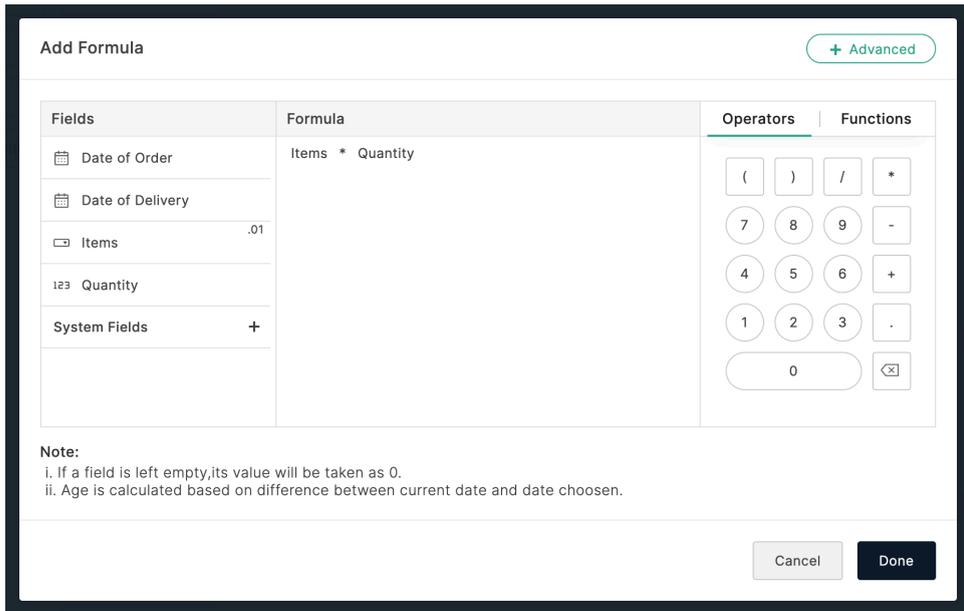# Formula

How to configure a Formula field

To add a formula field to your form,

1. Click the *Formula* field under the Form Fields section in the left pane of the form builder.

2. In the pop-up, your form fields would appear in the left pane. Use the fields on the left, numbers, and mathematical operators on the right to come up with your formula.

3. Click **Done**.

4. You can choose to hide this field from your respondents using the **Hide Field** option under *Properties* .

5. If you wish to edit your formula, click the **Edit** link under *Properties*.

Supported Field Types for Formula
Number, Decimal, Currency, Slider, Rating, Formula, Radio, Checkbox, Multiple Choice, Dropdown, Image Choice, Date, Date-Time, Time.

For example, you can calculate the amount your customer has to pay using the formula field and display the amount in the payment field automatically. For this, you can set the formula as **Item * Quantity** , where the number value assigned for the field **Item** is taken for the calculation.

> 📄 **Note** :
> While using the Formula field as a variable for calculating another formula, ensure that the two formulas are not mutually dependent. If you have come across an error because two formulas are mutually dependent, then refer to the below example:
> If n1, n2, n3 are three number fields, and f1, f2, f3 are the formulas that you have created where,
>
> f1= n1+ n2
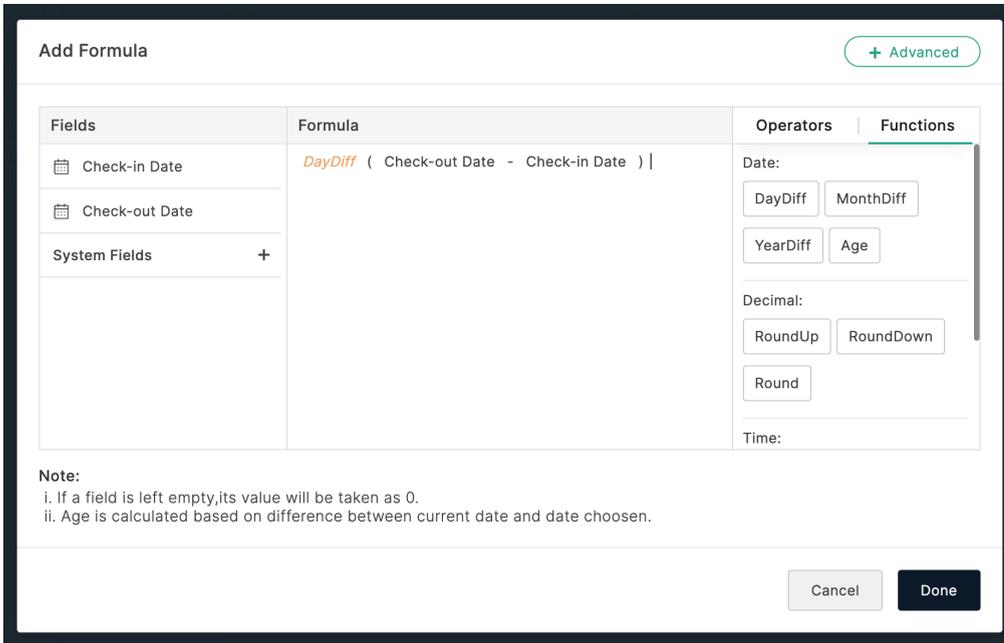> f2= n3 + f3
> f3= f1 + f2
>
> Formula 2 depends on Formula 3's answer (and vice versa) to perform calculations, resulting in an endless loop. Recheck your formula to avoid this type of infinite loop.

Functions

Using the math functions we support, you can calculate the differences between time and date fields, and also round off decimal numbers into integers. You will find **Functions** in the right pane of the *Formula* field pop-up.

To use a function,

1. Tap on the math function you wish to add.
2. It generates a syntax like this: **Function (Field Name - Field Name)** .
3. Replace the field's placeholders with the required form fields by clicking them from the left pane.

Supported Math Functions

Function	Role	Supported Field Types
DayDiff	Returns the day difference between two date values	Date, Date-Time
MonthDiff	Returns the month difference between two date values	Date, Date-Time
YearDiff	Returns the year difference between two date values	Date, Date-Time
HourDiff	Returns the hour difference between two time values	Time, Date-Time
MinutesDiff	Returns the minute difference between two time values	Time, Date-Time
RoundUp	Rounds off the decimal number to that next value, away from zero	Decimal, Currency, Formula
RoundDown	Rounds off the decimal number to that of the previous value	Decimal, Currency, Formula
Round	Rounds off a decimal number to that of the next number when the decimal value is .5 or above, and to the previous number when the decimal value is below .5	Decimal, Currency, Formula
Age	Returns the age in years from the selected date as of the current date. If the selected Date field is left blank, or if the selected date is a future date relative to the current date, the Age will be taken as 0. When calculating age, the months completed are not returned.For example, if the age calculated is 19 years and 7 months, only 19 years is returned.	Date, Date-Time

SelectionCount	Returns the number of options selected in the supported choice based field types. If a choice field (supported field) in Subform is used within the formula, this function returns the sum of all choices selected	Multiple Choice, Checkbox, Image Choices (not supported in Subform)
CurrentDate	This system field is used to return the difference between the current date and the selected date in the DayDiff, MonthDiff, and YearDiff functions	Date, Date-Time
AllowedDaysCount	Returns the number days that are available for selection between 2 given dates	Date, Date-Time

Adding a Unit to Formula

You can add a unit to your formula to show the result more contextually in the live form. A unit can be added once the formula configuration is completed.

To include a unit for the formula calculated value:

1. Enter a suitable **Unit** under *Properties* .

Unit

USD

Place Unit As

Prefix	Suffix

2. You can select to position this unit either as a **Prefix** or a **Suffix** .

Prefix	Suffix
Cost	Cost
USD	USD

> 📄 **Note** : The unit for a formula will be displayed only in Subform's Pop-up mode.