## Mathematical Calculation Tracker Field

A basic tracker field that calculates its value from the other fields in the tracker item. The calculation uses the same syntax as [Calculations](#). It is very useful for [Grouped Data](#).

Available functions are limited to the basic ones not needing the object-type and object-id.

The other fields are available as variables based on their permanent name.

### Sample

```plaintext
(mul priority severity)
```

### Samples of formula you can use in tracker fields

#### Dates

**Calculate age from date of birth**

```plaintext
(if childrenBirthDate (round (div (sub (date) childrenBirthDate) 31536000 ) 1))
```

The syntax is explained in more details: [Advanced Rating](#)

### Test Your Calculations with the fitness plugin

The sample above is rather simple, but calculations can quickly become more complex. Make sure it produces the results you expect by creating a test suite using [PluginFitnesse](#). It can also serve as a documentation.

### Examples

```plaintext
{FITNESS()}

{TRACKERMATH(trackerId=42)}
priority|severity|importance?
1|1|1
2|3|6
10|10|100

{TRACKERMATH}

{FITNESS}
```

In some cases, some of the data depends of the search index being up to date. So this can be a good idea: [Cron Job to Rebuild Search Index](#)

### Related:

- Trackers
- Tracker fields
- Calculations
• Mathematical Calculation Field