

# EXAMPLE - Numeric Functions

This example demonstrates how to use numeric functions to perform computations in your recipe steps.

## Functions:

Item	Description
ADD Function	Returns the value of summing the first argument and the second argument. Equivalent to the + operator.
MOD Function	Returns the modulo value, which is the remainder of dividing the first argument by the second argument. Equivalent to the % operator.
NEGATE Function	Returns the opposite of the value that is the first argument. Equivalent to the - operator placed in front of the argument.
SUBTRACT Function	Returns the value of subtracting the second argument from the first argument. Equivalent to the - operator.
MULTIPLY Function	Returns the value of multiplying the first argument by the second argument. Equivalent to the * operator.
DIVIDE Function	Returns the value of dividing the first argument by the second argument. Equivalent to the / operator.
LCM Function	Returns the least common multiple shared by the first and second arguments.

## Source:

ValueA	ValueB
8	2
10	4
15	10
5	6

## Transformation:

Execute the following transformation steps:

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	ADD(ValueA, ValueB)
<b>Parameter: New column name</b>	'add'

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	SUBTRACT(ValueA, ValueB)
<b>Parameter: New column name</b>	'subtract'

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula

<b>Parameter: Formula</b>	MULTIPLY(ValueA, ValueB)
<b>Parameter: New column name</b>	'multiply'

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	DIVIDE(ValueA, ValueB)
<b>Parameter: New column name</b>	'divide'

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	MOD(ValueA, ValueB)
<b>Parameter: New column name</b>	'mod'

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	NEGATE(ValueA)
<b>Parameter: New column name</b>	'negativeA'

<b>Transformation Name</b>	New formula
<b>Parameter: Formula type</b>	Single row formula
<b>Parameter: Formula</b>	LCM(ValueA, ValueB)
<b>Parameter: New column name</b>	'lcm'

**Results:**

With a bit of cleanup, your dataset results might look like the following:

ValueA	ValueB	lcm	negativeA	mod	divide	multiply	subtract	add
8	2	8	-8	0	4	16	6	10
10	4	20	-10	2	2.5	40	6	14
15	10	30	-15	5	1.5	150	5	25
5	6	30	-5	5	0.8333333333	30	-1	11