

## Operator +

**Function:** Adds or concatenate the values of two arguments.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
[Field1]+[Field2]	Field1 Number	Field1 value=12	12+4	16	Number	To sum two numbers, both fields must be numeric type
	Field2 Number	Field2 value=4				
[Field1]+[Field2]	Field1 Number	Field1 value=12	Concatenation of number 12 and string '4'	'124'	General	
	Field2 General	Field2 value='4'				
[Field1]+[Field2]	Field1 Number	Field1 value=10	Adds 10 days to date 01/03/2010	10/03/2010	Date and time	If you select the Date format for the new column's type, the following date will appear 11/03/2010 instead of 40248
	Field2 Date and time	Field2 value=01/03/2010				
[Field1]+10	Field1 Number	Field1 value=10	10+10	20	Number	To sum a constant with a numeric field, the constant must also be of numeric type
	Typed number constant	10				
[Field1]+'10'	Field1 Number	Field1 value=10	10+'10'	-	-	Not possible: constant type and field type incompatible
	Typed string constant	'10'				
[Field1]+10	Field1 General	Field1 value=10	'10'+10	-	-	Not possible: constant type and field type incompatible
	Typed number constant	10				

## Operator -

**Function:** Subtract the values of one value from another one.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
[Field1]-[Field2]	Field1 Number	Field1 value=12	12-4	8	Number	To subtract numbers, both fields must be numeric type
	Field2 Number	Field2 value=4				
[Field1]-[Field2]	Field1 Number	Field1 value=12	12-'4'	-	-	Not possible: Incompatible types
	Field2 General	Field2 value='4'				
[Field1]-[Field2]	Field1 Date and time	Field1 value=01/03/2010	Subtract 10 days to date 01/03/2010	19/02/2010	Date and time	Warning: 01/03/2010 - 10 = 40228 (19/02/2010) but 10 - 01/03/2010 = -40228 (08/11/1789)
	Field2 Number	Field2 value=10				
[Field1]-10	Field1 Number	Field1 value=10	10-10	0	Number	To subtract a constant from a numeric field, the constant must also be of numeric type
	Number	10				
[Field1]-'10'	Field1 Number	Field1 value=10	10-'10'	-	-	Not possible: Incompatible types
	Typed string constant	'10'				
[Field1]+10	Field1 General	Field1 value=10	'10'-10	-	-	Not possible: Incompatible types
	Typed number constant	10				

**Operator \*****Function:** Multiplies the numeric values of two fields.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
[Field1]*[Field2]	Field1 Number	Field1 value=12	12*4	48	Number	To multiply two numbers, both fields must be numeric type
	Field2 Number	Field2 value=4				
[Field1]*[Field2]	Field1 Number	Field1 value=12	12*'4'	-	-	Not possible: Incompatible types
	Field2 General	Field2 value='4'				
[Field1]*10	Field1 Number	Field1 value=10	10*10	100	Number	To multiply a constant by a numeric field, the constant must also be of numeric type
	Number	10				
[Field1]*'10'	Field1 Number	Field1 value=10	10*'10'	-	-	Not possible: Incompatible types
	Typed string constant	'10'				
[Field1]*10	Field1 General	Field1 value=10	'10'*10	-	-	Not possible: Incompatible types
	Typed number constant	10				

## Operator /

**Function:** Divides the numeric values of two fields.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
[Field1]/[Field2]	Field1 Number	Field1 value=12	12/4	3	Number	To divide a number by another, both fields must be numeric type
	Field2 Number	Field2 value=4				
[Field1]/[Field2]	Field1 Number	Field1 value=12	12/'4'	-	-	Not possible: Incompatible types
	Field2 General	Field2 value='4'				
[Field1]*10	Field1 Number	Field1 value=10	10/10	1	Number	To divide numeric field by a constant, the constant must also be of numeric type
	Number	10				
[Field1]*'10'	Field1 Number	Field1 value=10	10/'10'	-	-	Not possible: Incompatible types
	Typed string constant	'10'				
[Field1]*10	Field1 General	Field1 value=10	'10'/10	-	-	Not possible: Incompatible types
	Typed number constant	10				

## Formula "Right"

**Function:** Returns the specified number n of characters from the end of a text string.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
Right( <i>string</i> , <i>n</i> )	Field1 General or String	Field1 value = 'Hello world'	last 5 characters	'world'	General	
	<i>n</i> Number	5				

## Formula "Left"

**Function:** Returns the specified number n of characters from the first character of a text string.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
Left( <i>string</i> , <i>n</i> )	Field1 General or String	Field1 value = 'Hello world'	first 5 characters	'Hello'	General	
	<i>n</i> Number	5				

### Formula "Mid"

**Function:** Returns the specified number of characters from the middle of a text string starting from the nth character.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
Mid( <i>string</i> , <i>start</i> , <i>n</i> )	Field1 General or String	Field1 value = 'Hello world'	The 3 characters to the right starting from the 3rd character	'llo'	General	
	<i>start</i> Number	3				
	<i>n</i> Number	3				

### Formula WeekOf

**Function:** Returns the number of the week in the year from a date field. Week number 1 is the first complete week in the year.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
WeekOf( <i>date</i> )	Field1 Date and time	Field1 Value = 01/01/2010		53	Number	Only date fields can be used as input
		Field1 Value = 04/01/2010		1	Number	

### Formula QuarterOf

**Function:** Returns the quarter of the year from a date field.

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
QuarterOf( <i>date</i> )	Field1 Date and time	Field1 Value = 01/01/2010		1	Number	Result is a number from 1 to 4, only date fields can be used as input

### Formula MakeDate (1)

**Function:** Returns the first day of January of the year “year”

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
<i>MakeDate(year)</i>	Field1 Number or Typed number constant	2010		01/01/2010	Date and time	

### Formula MakeDate (2)

**Function:** Returns the first day of the month “month” of the year “year”

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
<i>MakeDate(year, month)</i>	Field1 Number or Typed number constant	2010		01/03/2010	Date and time	
	Field2 Number or Typed number constant	3				

### Formula MakeDate (3)

**Function:** Returns a date calculated from day, month and year parameters

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
<i>MakeDate(year, month, day)</i>	Field1 Number or Typed number constant	2010		05/04/2010	Date and time	
	Field2 Number or Typed number constant	4				
	Field3 Number or Typed number constant	5				

### Formula ToDate (1)

**Function:** Converts a text string into a date. The date must be already in the same format as the Regional and Language options of Windows

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
<i>ToDate(string)</i>	Field1 General or String	'01/03/2010'		01/03/2010	Date and time	

### Formula ToDate (2)

**Function:** Converts a text string into a date. You must specify the format of the string in the field

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
<i>ToDate(format, string)</i>	<i>format</i> General	'YYYY-MM-DD'		01/03/2010	Date and time	year=y or Y month=m or M day=d or D
	Field1 General or String	2010-03-01				

### Formula YearOf

**Function:** Returns the year in numeric format from a date field

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
<i>YearOf(date)</i>	Field1 Date and time	01/03/2010		2010	Number	

### Formula MonthOf

**Function:** Returns the month in numeric format from a date field

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
<i>MonthOf(date)</i>	Field1 Date and time	01/03/2010		3	Number	

### Formula DayOf

**Function:** Returns the day of the month in numeric format from a date field

Syntax	Input Type	Input values	Calculation	Output value	Output type	Notes
<i>DayOf(date)</i>	Field1 Date and time	01/03/2010	1	1	Number	