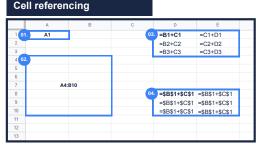
Reference card



01. Cell reference:

Address that identifies a cell by referring to it's column letter and row number.

02. Range:

Address using two cell references separated by a colon.

03. Relative reference:

Reference that changes when copied across multiple cells based on the relative position of rows and columns.

Absolute reference:

Reference that does not change when copied across multiple cells.

Useful functions

01. Arithmetic mean

=AVERAGE(value1, [value2, ...])
=AVERAGEA(value1, [value2, ...])

Divide sum of values by number of arguments. AVERAGEA evaluates Boolean and text while AVERAGE ignores them.

Ex. =AVERAGE(1,2,3) => 2 =AVERAGEA(1,TRUE) => 1

Power 02.

=POW(base, exponent)
=POWER(base, exponent)

Calculate the value of a number (base) raised to a certain exponent.

=POW(2, 3) => 8 =POWER(2, 3) => 8

03. Square root

=SQRT(value)

Calculates the square root of a given number.

Ex. =SQRT(4) => 2

Modulus 04.

=MOD(dividend, divisor)

Divides a number and gives the remainder as an answer.

=MOD(42363.33,100) =>63.33

Ex.

05. Rounding up

=CEILING(value, [factor])
=ROUNDUP(value, [places])

CEILING rounds up to nearest integer multiple of the specified factor. **ROUNDUP** rounds up to a number of decimal places.

Ex. =CEILING(18.25,2) => 20 =ROUNDUP(18.25,2) => 18.25

> =CEILING.PRECISE(value, [factor]) =CEILING.MATH(value,[factor],[mode])

Round up to the nearest integer or multiple of the specified factor.

CEILING.MATH also specifies whether the number is rounded toward or away from zero.

Ex. =CEILING.PRECISE(-18.25, 2) => -18 =CEILING.MATH(-18.25, 2, -1) => -20

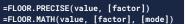
Rounding down 06.

=FLOOR(value, [factor])
=ROUNDDOWN(value,[places])

FLOOR rounds down to the nearest multiple of the factor while **ROUNDDOWN** rounds down to a number of decimal places.

=FL00R(42363.33, 2) => 42362

=ROUNDDOWN(42363.33, 2) => 42363.33



Round down to the nearest integer or multiple of the specified factor. **FLOOR.MATH** also specifies whether the number is rounded down toward or away from zero.

=FLOOR.PRECISE(-42363.33, 2) => -42364 =FLOOR.MATH(-42363.33, 2,-1) => -42362

