

Question

[Michel Liberado](#) · Nov 26, 2021

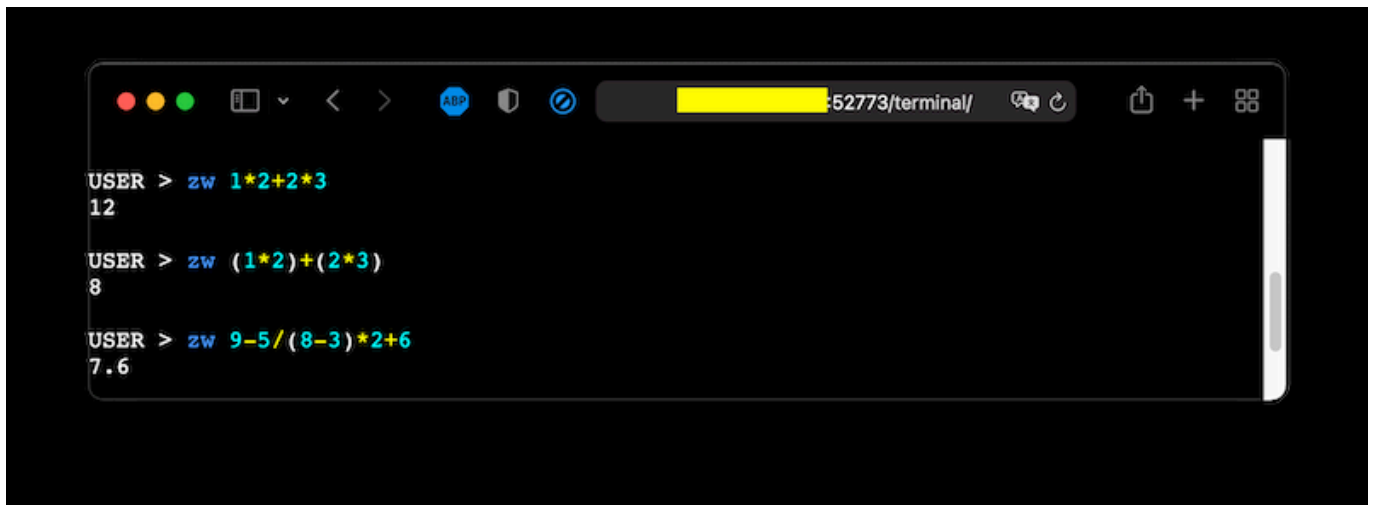
IRIS and the order of operations: $1*2+2*3=12$ but $(1*2)+(2*3)=8$; is there a setting somewhere to adopt the same conventions as everyone else in the world ?

Hi,

I wonder why IRIS seems to have its own way to deal with order of operations such as the example in the title. This affects regular arithmetic operations but of course conditions in various statements.

Even after years of COS development, I still get caught by these tiny frustrating details and it is absolutely annoying when you are writing APIs that some some maths.

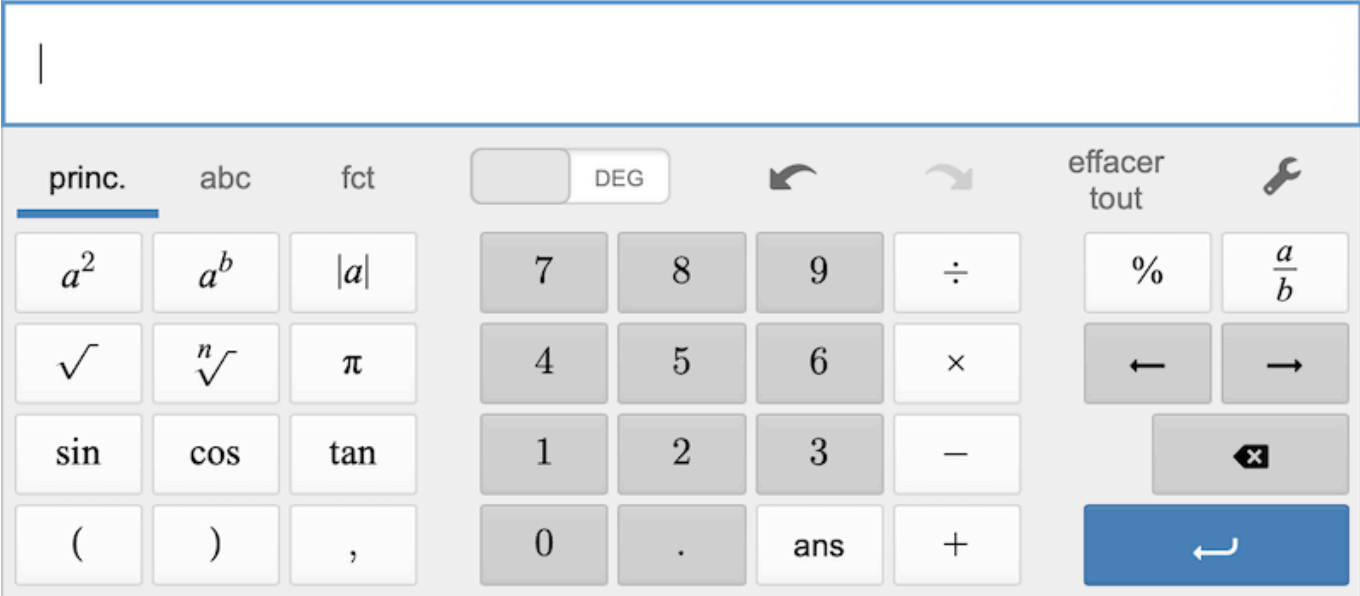
Here is an example:



The last example is from [here](#).

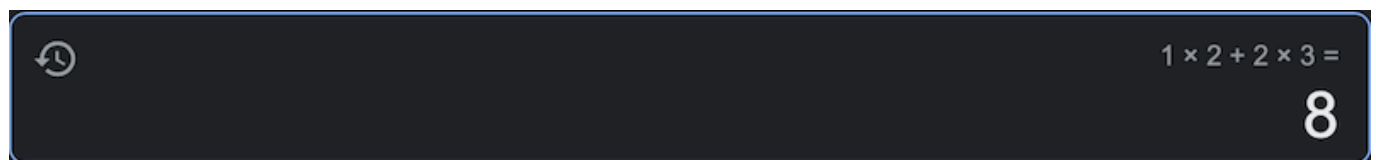
But, if you use any other calc:

$1 \cdot 2 + 2 \cdot 3$	$= 8$
$(1 \cdot 2) + (2 \cdot 3)$	$= 8$
$9 - \frac{5}{(8-3)} \cdot 2 + 6$	$= 13$

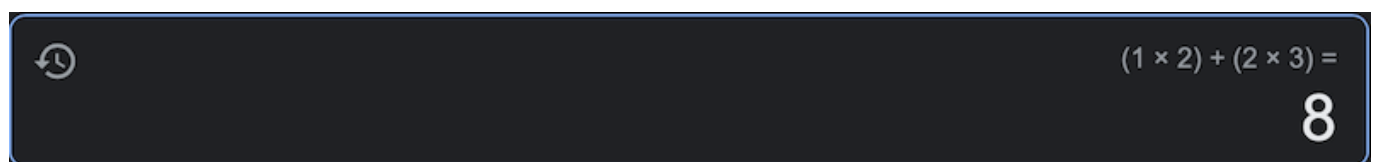


The screenshot shows the IRIS calculator interface. It features a top row with tabs for 'princ.', 'abc', and 'fct'. Below these are several rows of buttons for mathematical operations: powers (a^2 , a^b), roots ($\sqrt{\quad}$, $\sqrt[n]{\quad}$), trigonometric functions (sin, cos, tan), and absolute value ($|a|$). A numeric keypad is also present with digits 0-9, a decimal point, and an 'ans' button. On the right side, there are buttons for percentage (%), fraction ($\frac{a}{b}$), left and right arrow keys, a clear button (X), and a blue enter key.

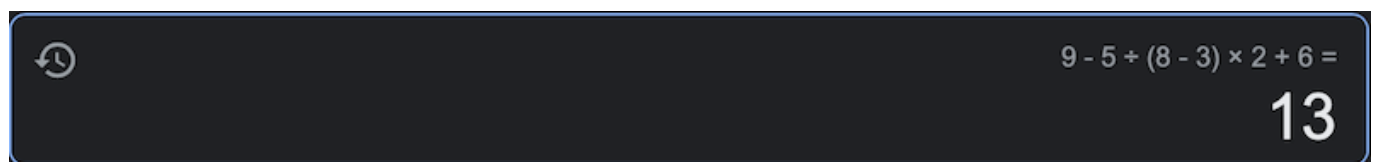
With Google calc:



The screenshot shows the Google Calculator interface. The input field contains the expression $1 \times 2 + 2 \times 3 =$ and the result 8 is displayed on the right.



The screenshot shows the Google Calculator interface. The input field contains the expression $(1 \times 2) + (2 \times 3) =$ and the result 8 is displayed on the right.



The screenshot shows the Google Calculator interface. The input field contains the expression $9 - 5 + (8 - 3) \times 2 + 6 =$ and the result 13 is displayed on the right.

[#InterSystems IRIS](#)

Product version: IRIS 2021.1

Source

URL: <https://community.intersystems.com/post/iris-and-order-operations-122312-12238-there-setting-somewhere->

[adopt-same-conventions-everyone](#)