# General Principle : Formatting is NOT Rounding 

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## Formatting Example



## Look Carefully at the Formatting Example

- It appears to say that the sum of 3.05
2.02
1.03
is 6.11
- That is not mathematically correct!
- The next slide shows what is actually in each cell. (Control / ~)


## Formatting Example with Control / ~



## What happened?

- What happened is that the cells in column ' A ' were formatted to show only 2 digits after the decimal point.
- However, the numbers in column ' A ' actually had more than 2 digits after the decimal point. The last digits were "hidden".
- Hiding some of the digits can yield results that appear to be wrong.


## Rounding Example



## Rounding Example with Control / ~



## Rounding Example

- The addition in column ' B ' is now mathematically correct.
- The value that appears in cell B5 is in fact the sum of the numbers appearing in cells B1:B3


## Warning!

- The values displayed by a computer application are often not the values that are used inside that application.
- If you need a value that has only a certain number of digits after the decimal place, you must round that value, not merely format it.

