

Decimal point handling and Rounding

Many calculators do have switch(es) to handle the decimal point, there could be up to three switches:

- a 'fixed/non-fixed'-switch, commonly [F - ?]
- a 'decimal point setting'-switch, commonly [0 - 1 - 2 - ...]
- a 'Rounding'-switch, commonly [5/4 - ?] (5/4 meaning: Retain 5, Discard 4)

When the 'fixed/non-fixed'-switch is in the 'fixed'-position, the decimal point is auto positioned in the answers to give the maximum accuracy within the n-digit capacity.

When the 'fixed/non-fixed'-switch is in the 'non-fixed'-position, the decimal point is auto placed in the answer according to the position of 'decimal point setting'-switch,

The setting of the latter switch determines the number of decimal places in the answers.

When the Round off Switch is in a '5/4'-position, the calculator will round off all the answers in accordance with the 'decimal point setting'-switch,

example: if the decimal is set to 1, a result of 4.25 would be rounded to 4.3

(5 more is rounded up, 4 or less is dropped).

When the Round off Switch [-] is in the other position, decimals beyond the decimal settings are dropped from the answer,

example: if the decimal is set to 1, a result of 4.25 would be truncated to 4.2