Subject: division to move a decimal point
Posted by Giuseppe Papa on Fri, 31 Dec 2010 17:13:38 GMT

Hi,
I would like to convert the number 1948005 to 19480.05
The closest I can get is
print, 1948005*1./100.
which gives 19480.1
Any help would be appreciated!
Thanks,
Jeff

Subject: Re: division to move a decimal point
Posted by M. Katz on Mon, 03 Jan 2011 02:09:17 GMT

Try double-precision, indicated by a 'd' rather than just a '.'

IDL> print, 1948005/100d
      19480.050

When dividing this long integer by a double-precision floating-point
value, the calculation is performed in double-precision,
and you get a few more significant digits than with single-precision
floating-point, which was causing your rounding.

M.