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Subject: Re: fix(4.70\*100) is... 469  
Posted by [Jean H.](#) on Wed, 18 Apr 2007 23:48:08 GMT  
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> Hooboy! Haven't had one of these in awhile. :-)  
>  
> [http://www.dfanning.com/math\\_tips/sky\\_is\\_falling.html](http://www.dfanning.com/math_tips/sky_is_falling.html)  
>  
> Cheers,  
>  
> David

It seems a bit weirder though...

```
IDL> print, 470.0 - (4.70*100)
3.05176e-005
```

which is bigger than the smallest float

```
IDL> print, (machar()).eps
1.19209e-007
```

.... so how can it be the float accuracy problem if the difference between the expected and the real value is 256 times bigger than the float error?

Jean

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