
Subject: Re: Could you explain why this happen?
Posted by [jeanh](#) on Wed, 28 Apr 2010 17:01:37 GMT
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On 28/04/2010 12:46 PM, Bryan wrote:

```
> This may be a stupid question, but I really want to know why.  
> Please, see below and explain. Thanks.  
>  
> IDL> print, 132*30  
> 3960  
> IDL> print, 132*30*10  
> -25936  
> IDL> print, 132*300  
> -25936  
> IDL> data1 = 132  
> IDL> data2 = 300  
> IDL> data3 = data1*data2  
> IDL> print, data3  
> -25936
```

Hi,

you are working with integers, the maximum value being 32 767. When you go over this limit, IDL goes back to the minimum value (-32 768). So $32\,767 + 1 = -32\,768$
Use long integers instead, and you will have the value you are expecting!

Jean
