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Subject: Re: Commutativity of multiplication  
Posted by [K. Bowman](#) on Wed, 25 Oct 2006 20:42:36 GMT  
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In article <ehoh6g\$asc\$1@naig.caltech.edu>, Sven Geier <sZgeier@calteZch.edZu> wrote:

```
> There's something odd afoot with ULong variables (in 6.3) that isn't clear
> to me:
>
> IDL> help,f,g,h
> F          LONG      =      500
> G          ULONG     =        1
> H          FLOAT     =    1.00000
> IDL> help,f*h,h*f
> <Expression>  FLOAT   =    500.000
> <Expression>  FLOAT   =    500.000
> IDL> help,f*g,g*f
> <Expression>  LONG    =        500
> <Expression>  ULONG   =        500
>
>
> Is this a bug? A feature? Well-known gotcha? Obscure property? Recently
> added functionality? Vestigial peculiarity?
>
>
> - S
```

A little poking around in the docs revealed this:

Note : Signed and unsigned integers of a given width have the same precedence. In an expression involving a combination of such types, the result is given the type of the *\*leftmost\** operand. (Emphasis in original.)

Ken Bowman

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