

---

Subject: Re: Excluding Decimal Places in the Values of a Variable  
Posted by [Paul Van Delst\[1\]](#) on Tue, 19 Feb 2013 20:32:53 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On 02/14/13 15:55, David Fanning wrote:

>  
> I would do it this way:  
>  
> IDL> x=[[1.35679, 2.65487], [3.65789, 4.56455]]  
> IDL> x = Fix(x\*1000)/1000.  
>  
> Cheers,  
>  
> David

How's this for a more complicated answer:

```
FUNCTION SetDP, x, n, double=double
  num = 10L^n
  rnum = KEYWORD_SET(double) ? DOUBLE(num) : FLOAT(num)
  RETURN, FLOOR(x*num)/rnum
END
```

```
IDL> x=[[1.35679, 2.65487], [3.65789, 4.56455]]
IDL> print, x
      1.35679      2.65487
      3.65789      4.56455
IDL> print, SetDP(x,2), format='(f18.15)'
1.3500000023841858
2.6500000095367432
3.6500000095367432
4.559999942779541
IDL> print, SetDP(x,2,/double), format='(f18.15)'
1.3500000000000000
2.6500000000000000
3.6500000000000000
4.5600000000000000
```

:o)

Sorry....

cheers,

paulv

---