

## Preventing＂\＃DIV／O！＂Messages

Ever see \＃DIV／O！in a cell？This is Excel＇s way of telling you that a value is being divided by zero．

|  | A | B | C | D | E | F | G | H | I | J |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Rigs | Sept |  |  | Juy |  |  | \％Diference |  |  |
| 2 | NSI P18．49 | RTG | SHR | （000） | RTG | SHR | （000） | RTG | SHR | 000） |
| 3 | wxOX | 2.0 | 20 | 750 | 1.0 | 12 | 600 | 100\％ | 67\％ | 25\％ |
| 4 | wryy | 1.0 | 0 | 0 | 0.0 | 0 | 0 | \＃DIV：0！ | \＃DIV0！ | \＃DIV：0！ |
| 5 | Wzzz | 0.5 | 0 | 0 | 0.0 | 0 | 0 | \＃DIV：0！ | ＊DIV：0！ | \＃DIV：0！ |

In the example to the right， the formula in cell H3 works fine because the value in E3 is not zero．

|  | H3 |  | $\checkmark$ |  | $f_{x}=(\mathrm{B} 3-\mathrm{E} 3) / \mathrm{E} 3$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | B | C | D | E | F | G | H |
| 1 | Rtgs | Sept |  |  | July |  |  | \％ |
| 2 | NSI P18－49 | RTG SHR（000） |  |  | RTG SHR |  |  | RTG |
| 3 | WXXX | 2.0 | 20 | 750 | 1.0 | 12 | 600 | 100\％ |

But in the next example，E4 is zero，so the \＃DIV／O！warning appears．

You can use an＂＝IF＂function to tell Excel to display a message of your choice instead of the \＃DIV／O！warning．

| $f_{x}=(\mathrm{B} 4-\mathrm{E} 4) \mathrm{E} 4$ |  |  |  |
| :---: | :---: | :---: | :---: |
| E | F | G | H |
| July |  |  | \％ |
| RTG | SHR | （000） | RTG |
| 1.0 | 12 | 600 | 100\％ |
| 0.0 | 0 | （1） | \＃DIV／0！ |

$A n=I F$ function has 3 parts：
Part 1：The logical test（Is E4＝0？）
Part 2．What to do if the answer to the test is＂yes＂
Part 3：What to do if the answer to
 the question is＂no＂
Translation of $=I F(E 4=0, " N G ",(B 4-E 4) / E 4)$ ：
Test：Is the value in E4 O？
If yes：Display the letters NG in the cell
If no：Subtract E4 from B4， then divide the result by the value in E 4

| H4 |  |  | ＊ |  | $f_{x}=I F\left(E 4=0,{ }^{\prime \prime} \mathrm{NG}^{\prime \prime},(\mathrm{B} 4-\mathrm{E} 4) \mathrm{E} 4\right)$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | B | C | D | E | F | G | H | I | $J$ |
| 1 | Rtgs | Sept |  |  | July |  |  | \％Diference |  |  |
| 2 | NSI P18－49 | RTG | SHR | （000） | RTG | SHR | （000） | RTG | SHR | （000） |
| 3 | WXOX | 2.0 | 20 | 750 | 1.0 | 12 | 600 | 100\％ | 67\％ | 25\％ |
| 4 | WYYY | 1.0 | 0 | 0 | 0.0 | 0 | 0 | NG | NG | NG |
| 5 | WZZZ | 0.5 | 0 | 0 | 0.0 | 0 | 0 | NG | NG | NG |

Note：Instead of＂NG＂you can display whatever you like． For example：$=\operatorname{IF}(E 4=0$ ，＂There＇s a zero in the formula＂，（B4－E4）／E4）

