

# Re: Page totals error in report – doesn't add correctly

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- *From:* Geoff <Geoff@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Thu, 18 May 2006 00:30:02 -0700
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Thanks Marshall – it works fine now using CDbl([Hours]) when I set the format to 0 and Decimals to 2.

"Marshall Barton" wrote:

First, you should not try to round, convert or otherwise mess with the value in the field until you are ready to display it on a form or report. Using CCur will truncate the value to four decimal places, which may introduce small errors that could accumulate to something significant.

The big conceptual problem is that your use of #0.00# is forcing a datetime value of 0, which is midnight. If you want 0 hours, then just write a 0. Don't be confused by the fact that you are trying to express an elapsed time in hours with a date/time value. The hours field is NOT a date/time, it is no different than saying 8.33 feet of material. Since you are importing the value as a double that is a fraction of a day, multiplying by 24 is the right way to scale the number to hours. After that, don't do anything other than add the values together.

Note that saying that the table field is a number type just says it's not text or date. It is the Size of the field that determines what kind of number you are using (Integer, Long, Double, etc). Make sure your field is a Double.

—  
Marsh  
MVP [MS Access]

Geoff wrote:

I've tried everything you suggested to no avail, but I have identified that the root cause of the problem is in the table.

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What I do is consolidate the data from a number of Excel time-sheets into a single workbook. In Excel the Hours column is expressed as 08:20:00. I set the format for this column to General, multiply by 24 and then use paste special which converts the value in the applicable cell in the Hours column to 8.333333333.

I then import the Excel spreadsheet into a table called Import. I then filter the data in the Import table (sort columns etc) and run a Make Table query based on the Import Table. The problem is that in both the import table and the Query table, while the imported value displays correctly as 8.333333333, and the Hours field is set to a Number data type, I'm sure Access still thinks it is a time data type and therefore can't Total correctly when using the =Sum([Hours]) function on the report.

My reason for this thinking is that when I try to insert the expression CCur(#0.00#) for the Hours field in the Make Table query by using the Expression Builder, Access automatically shows the Criteria value in the design view of the query to be CCur(#00:00:00#) and not CCur(#0.00#) as entered. (I'm using the CCur conversion instead of the CDbt conversion to try and restrict the value to 2 decimals).

Any thoughts on how to build an expression in the Make Table query that will somehow convert the 8.333333333 time value (although shown as a Number data type) to a numeric or currency value that I can use in adding up my total Hours correctly?

"Marshall Barton" wrote:

Geoff wrote:

I am trying to print the total number of hours billed to a client in a report. Initially this was displayed in a textbox with the source set to the expression "=Sum([Hours]). This works fine on the one report which displays the decimals correctly in the report footer, but won't work at all on the other report where the total should read 266.85 hours but instead will only display 266 hours.

Then I used Allen Browne's Page Total code and discovered that the problem is caused by the total hours for the first page which are displayed incorrectly (adds up to 10 whereas it should

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be 10.83). The total hours all display correctly in the group footers but won't do so in the report footer. All Totals text boxes properties are set to General number with 2 decimal places – as is the data in the source query and table.

Why does one report work fine and the other not? I've even completely rebuilt a new report from the one that works, but to no avail – still gives the wrong total. Can anyone help? Thanks

Allen Browne's code that I used was as follows:

```
Option Compare Database
Dim HoursTotal As Long
```

```
Private Sub Detail_Print(Cancel As Integer,
PrintCount As Integer)
If PrintCount = 1 Then HoursTotal =
HoursTotal + Nz(Me.Hours, 0)
End Sub
```

```
Private Sub
PageFooterSection_Format(Cancel As
Integer, FormatCount As
Integer)
Me.PageTotal = HoursTotal
End Sub
```

```
Private Sub
PageHeaderSection_Format(Cancel As
Integer, FormatCount As
Integer)
HoursTotal = 0
End Sub
```

That code that you're using isn't supposed to do what you say you want. I suspect that there may be more to using that code than just copying it, because there are several caveats to using an event procedure to calculate a total. In almost all cases that code can not reliably calculate a correct total.

Using the Sum function is the right way to do this if Hours is a field in the report's recordsource table/query.

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(Otherwise, you can use a RunningSum text box to add up the total.)

The first thing I would suspect is that the Hours is somehow being converted to an integer. To check this, try setting the Hours text box in the detail section and all the group and report footer text boxes to use the format 0.000000000 so you can see the whole value.

The next thing to check is the actual, not the formatted, values in the recordsource table/query. Applying a format to the table and query just obscurs the values used in the calculations.