

## Manipulating Minutes from a Date/Time Stamp

Recently, a customer asked me to determine how many minutes something was late using a date/ time stamp. If you've ever tried manipulating dates and times within Brio you've found the task frustrating. Starting with 2 date/time stamps, I broke out the time into hours and minutes for each date. Finally, I used a computed column to calculate the "time late" data.

	Date1	Hour1	Min1	Date2	Hour2	Min2	Time Late
1	05/03/02 01:00 PM	13	0	05/03/02 02:15 PM	14	15	1:15
2	05/06/02 09:50 AM	9	50	05/06/02 12:45 PM	12	45	2:55

Notice the computed columns are in blue type. The following are the definitions for each computed column:

Hour1 = **Substr ( ToChar ( Date1, "mm/dd/yyyy hh:mm:ss" ), 12, 2 )**

Min1 = **Substr ( ToChar ( Date1, "mm/dd/yyyy hh:mm:ss" ), 15, 2 )**

Hour2 = **Substr ( ToChar ( Date2, "mm/dd/yyyy hh:mm:ss" ), 12, 2 )**

Min2 = **Substr ( ToChar ( Date2, "mm/dd/yyyy hh:mm:ss" ), 15, 2 )**

Time Late = **if (Min2 < Min1 )**  
**{**  
**MinTemp=(Min2 + 60);**  
**HourTemp=(Hour2 - 1);**  
**(HourTemp - Hour1) + ":" + (MinTemp - Min1)**  
**}**  
**else { (Hour2 - Hour1) + ":" + (Min2 - Min1)}**

The **datatypes** for Hour1, Min1, Hour2, and Min2 are all set to **Number**.

Datatype:

Number

This isn't an elegant solution but it appears to work.

***NOTE: This Newscast was tested on Brio R6.6.0.51***

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**Email: [cabri@cabri-ltd.com](mailto:cabri@cabri-ltd.com)**  
**Web Site: [www.cabri-ltd.com](http://www.cabri-ltd.com)**  
**Phone: 206-463-5157**  
**Fax: 425-952-0165**