

Calculate based on Rounded values

Description:

How do I add up rounded values in Crystal Reports?

Solution:

When adding numbers that have more decimals than displayed, Crystal will calculate the total using the numbers stored in the field. The result will not look correct even though Crystal is calculating correctly.

For example:

Database values = $4.567 + 5.395 + 3.419 = 13.381$

However, if these values are being displayed as being rounded to 2 decimals then Crystal will show the values as $4.57 + 5.40 + 3.42 = 13.38$. But the value should be equal to 13.39 if you were to add up the rounded values. Even though Crystal is calculating correctly, there are times where adding the rounded values is desirable.

To add rounded values:

1. Create a formula called @MyValue

`Round(<Field>,2)` //<Field> is your field to calculate, 2 is the number of decimals to round to

2. Insert @MyValue into the report where needed
3. Right Click on @MyValue, Choose Insert -> Summary, SUM
4. The Sum will show the rounded values added.