

# Business One in Action - Why are amounts or prices in a document displayed without decimal places?



## Applies to:

SAP Business One, [Logistics](#), [Sales and Purchasing](#)

## Summary:

This document explains the decimal place setting hierarchy within the General settings & the Currency settings. Examples illustrate the currency setting of currencies without decimal places & currency rounding settings applicable for certain countries such as Switzerland or Finland.

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**Created on:** December 2009

## Author Bio:

Noreen Armstrong joined SAP in 2004 and is currently active as Senior Support Consultant for SAP Business One. She has worked as both technical and business consultant. She authored this article as a direct response to a partner enquiry during the Expert-on-Phone project, where she consulted on mainly logistics and administrative related topics.

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## Why are amounts or prices in a document displayed without decimal places?

[Online Help](#): Currencies - Setup Window

The company has defined decimal place settings. With *Amounts* set to 2 decimal places and *Prices* set to 2 decimal places, as seen in the example below.

The screenshot shows the 'General Settings' dialog box with the 'Display' tab selected. The 'Decimal Places (0..6)' section is highlighted with a red box, showing the following settings:

| Category   | Value |
|------------|-------|
| Amounts    | 2     |
| Prices     | 2     |
| Rates      | 4     |
| Quantities | 3     |
| Per Cent   | 2     |
| Units      | 3     |

The 'Separator' and 'Thousands Sep.' fields are also highlighted with a red box, showing the following settings:

| Field          | Value |
|----------------|-------|
| Separator      | .     |
| Thousands Sep. | ,     |

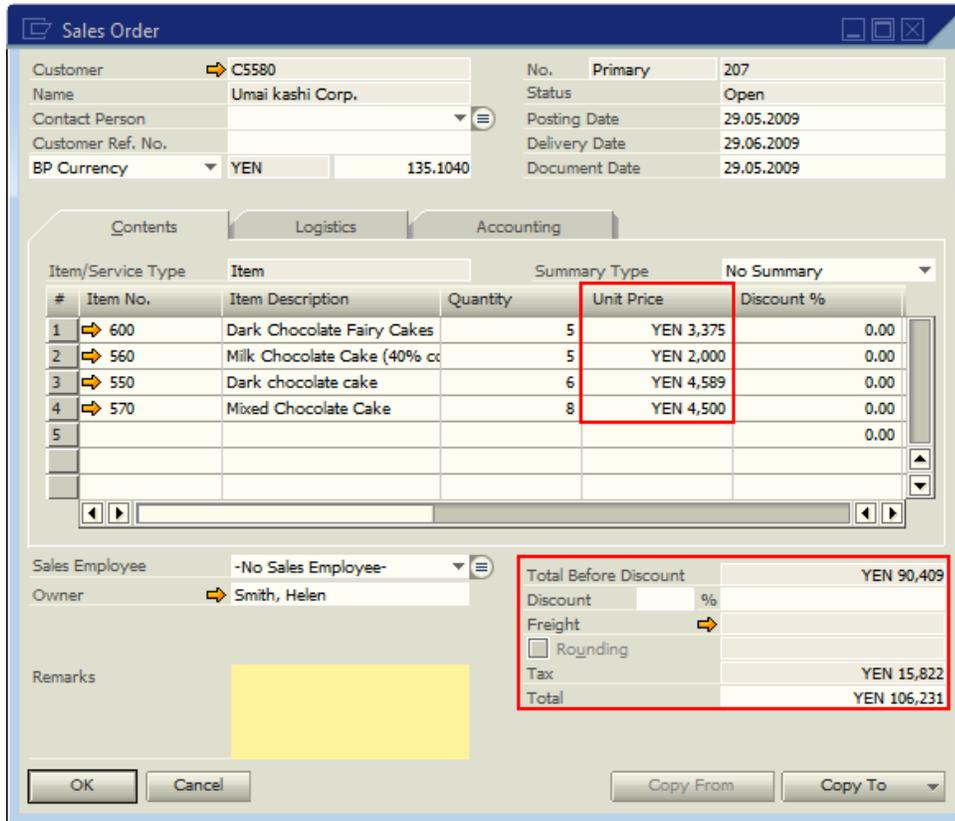
Other settings visible in the dialog include: Language: English (United Kingdom), Colour: Classic, Default Length UoM: Foot, Default Weight UoM: Pound, Time Format: 24H, Date Format: DD/MM/YYYY, Separator: ., Ext. Image Processing: Partial, No. of Rows in 'List of Windows': 0, Display Currency on the Right: unchecked, Exchange Rate Posting: Indirect (selected).

### Note

Decimal Separator = .

Thousand Separator = ,

When documents are added for specific business partners there are no decimal place setting for the prices and totals fields. In the following example, customer C5580 Umai Kashi Corp is a Japanese customer whose currency is defined as Japanese Yen (YEN). Sales order 207 is added for customer C5580 yet there are no decimal places in the document.

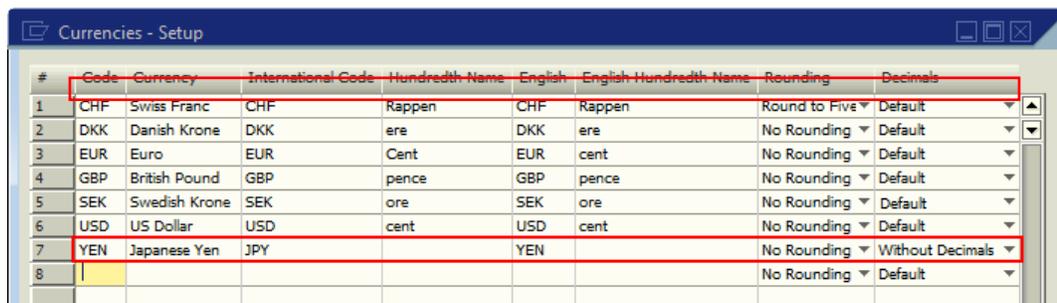


In the above scenario the decimal place setting is also be controlled by the decimal place setting for the currency. While most currencies operate with decimal places some do not, for example Japanese Yen or the Chilean Peso. If customers work in these currencies it is necessary to define no decimals for these transactions while keeping decimal place settings for all other currency transactions. In this case decimal settings will be defined globally for the database in the *General Settings -> Display* tab while a separate decimal setting is defined for the currencies which have no decimal places.

The currency decimal place setting is defined under *Administration -> Setup -> Financials -> Currencies*. In the *Currencies - Setup* window the field 'Decimals' takes precedence over the global decimal place settings defined in the *General Settings - Display* tab.

Consequently if *Without Decimals* is defined for a currency in this window then any field using that currency will take the decimal setting defined in its currency setup.

In the example below the currency Japanese Yen the value *Without Decimal* is defined in the *Decimals* field. As seen in the sales order in the previous example the decimal place setting from the currency setup took precedence over the decimal place setting defined in *General Settings*. This resulted in the *Unit Price*, *Total* and *Total Before Discount* displaying without decimals.



This is not a rounding issue but one connected solely with the decimal place settings of the currency. The function of the field *Rounding* in the *Currencies – Setup* should not be confused with the function of the *Decimals* field.

*Rounding* in the *Currencies - Setup* refers to whether or not the currency should be rounded to a specific setting according to the currencies legal definition. For example, the Swiss Franc (CHF) does not operate in anything less than 5 Rappen; therefore the round field is set to *Round to Five Hundred*, as can be seen in the above example. Consequently, when adding a document for a customer using this currency it will always be rounded to the nearest five.

In the following example, a sales order exists for Customer C6670 Le Boulangerie Magnifique. The total before discount is CHF 29.74. However, in the *Currencies - Setup*, see example above, the currency is set to round to the five hundred. As a result the Sales Order shows a rounding of CHF 0.01 which brings the sales order's total to CHF 34.95. The total of the document is now CHF 34.95 which is correct according to the legal definitions for the Swiss Franc.

The screenshot shows the SAP Sales Order window for Customer C6670, Le Boulangerie Magnifique. The currency is set to CHF. The summary table at the bottom right highlights the following values:

| Field                 | Value     |
|-----------------------|-----------|
| Total Before Discount | CHF 29.74 |
| Discount              | %         |
| Freight               | CHF 0.01  |
| Tax                   | CHF 5.20  |
| Total                 | CHF 34.95 |

The item list shows:

| # | Item No. | Item Description           | Quantity | Unit Price | VAT C... | Total (Doc) |
|---|----------|----------------------------|----------|------------|----------|-------------|
| 1 | 600      | Dark Chocolate Fairy Cakes | 7        | CHF 2.26   | O1       | CHF 15.82   |
| 2 | 570      | Mixed Chocolate Cake       | 6        | CHF 2.32   | O1       | CHF 13.92   |
| 3 |          |                            |          |            | O1       |             |

## Related Contents

- [SAP Business One in Action Catalog Page](#)
- [Link to DRC](#) documentation
- For more information, visit the [Business One homepage](#).

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