

Consolidation Absolute & IF Function

Create the spreadsheet below, which shows the total expenses for the **Squash Club** over a six month period. The solution to this exercise can be found on page 2 of this worksheet.

| | A | B | C |
|----|-----------------|-------------|---|
| 1 | The Squash Club | | |
| 2 | | Expenses | % |
| 3 | Jan | € 55,203.23 | |
| 4 | Feb | € 50,123.32 | |
| 5 | Mar | € 30,356.00 | |
| 6 | Apr | € 30,021.00 | |
| 7 | May | € 20,356.00 | |
| 8 | Jun | € 24,156.00 | |
| 9 | Total Expenses | | |
| 10 | Borrow Money? | | |

1. Save as **Squash Club**.
2. In cell B9, calculate the total expenses for the 6 month period Jan – Jun.
3. In cell C3, using an absolute value for one cell only, calculate the percentage of the Jan expense as a fraction of the total expenses for the six months. Copy the formula down remaining rows. (Hints and solutions can be found on page 2).
4. Format cells C3:C8 to a percentage.
5. In cell B10, using an IF function, display the word **Yes** if the Total Expenses is **greater than 250000**, otherwise display the word **No**. (Hints and solutions can be found on page 2.)
6. Save the changes made.

Solution

| | A | B | C |
|----|-----------------|-------------|-----|
| 1 | The Squash Club | | |
| 2 | | Expenses | % |
| 3 | Jan | € 55,203.23 | 26% |
| 4 | Feb | € 50,123.32 | 24% |
| 5 | Mar | € 30,356.00 | 14% |
| 6 | Apr | € 30,021.00 | 14% |
| 7 | May | € 20,356.00 | 10% |
| 8 | Jun | € 24,156.00 | 11% |
| 9 | Total Expenses | €210,215.55 | |
| 10 | Borrow Money? | No | |

| | A | B | C |
|----|-----------------|---------------------------|------------|
| 1 | The Squash Club | | |
| 2 | | Expenses | % |
| 3 | Jan | € 55,203.23 | =B3/\$B\$9 |
| 4 | Feb | € 50,123.32 | =B4/\$B\$9 |
| 5 | Mar | € 30,356.00 | =B5/\$B\$9 |
| 6 | Apr | € 30,021.00 | =B6/\$B\$9 |
| 7 | May | € 20,356.00 | =B7/\$B\$9 |
| 8 | Jun | € 24,156.00 | =B8/\$B\$9 |
| 9 | Total Expenses | =SUM(B3:B8) | |
| 10 | Borrow Money? | =IF(B9>250000,"Yes","No") | |

Absolute Solution: To calculate the percentage of the Jan expense as a fraction of the total expenses for the six months, **divide** cell **B3** by **C9**. All other months must also be divided by C9 as you AutoFill (copy) down the remaining rows so make cell **C9** an **absolute value**. The formula will be **=B3/\$B\$9**

If Function Solution: In cell **B10** display the word **Yes** if **B9>250000**, otherwise display the word **No**. The formula will be **=if(B9>250000, "Yes", "No")**