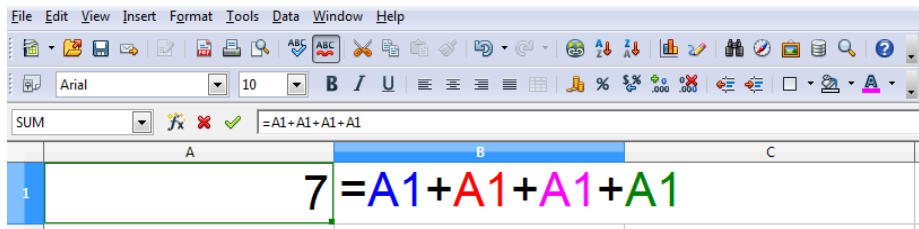


## Using a spreadsheet

- Click on **Open Office** and choose **Spreadsheet**
- Chose **File-Save as** and save the file as “Formulae”

### Exercise 1



- Write a number in the cell A1 and the formula “ $=A1+A1+A1+A1$ ” in the cell B1
- Write a shorter formula in the cell C1 that displays the same value than the cell B1 for any value in the cell A1.

### Exercise 2 Same question on the second row, the formula is “ $=A2+A2+5+A2$ ”

	A	B	
1	7	28	
2	5	$=A2+A2+5+A2$	

### Exercise 3 Same question on the next rows with the following formulae

Row	B
3	$= 2*A3+3*A3$
4	$= 5*A4+4*A4-6*A4$
5	$= 2*A5-8*A5+2*A5$
6	$= 3*A6-2*A6$
7	$= 5*A7+4+2*A7+6$
8	$= 3*A8+7-2*A8+3-A8$
9	$= A9*A9$
10	$= 2*A10*3$
11	$= A11*3*A11$
12	$= 2*A12*5*A12$

### Exercise 4 Use a new sheet

	A	B	C
1	5	3	$=A1+A1+A1+B1+B1$

- Write two numbers in the cells A1 and B1
- Write the formula “ $=A1+A1+A1+B1+B1$ ” in the cell C1
- Write a shorter formula in the cell D1 that always displays the same value than the cell C1

### Exercise 5 Same question on the next rows

Row	C
2	$= 2*A2+B2+3*A2$
3	$= A3+5+3*B3+2*A3-2*B3+5$
4	$= 2*A4+B4+2-A4-2-A4$
5	$= A5+6+3*B5-2*A5-6*B5-8$
6	$= 2013*A6+2013*B6$
7	$= 12345*A7+12345*B7+12345$
8	$= 9876*A8-9876*B8$
9	$= 10000*A9+450000-10000*B9$
10	$= A10^2-54*A10+A10*B10$

### Exercise 6 Write an algebraic formula for each of the previous exercises (on your copy book)