Hine's Spreadsheets

You need: a computer spreadsheet

1. Hine's grandad gives her \$50 towards a new bicycle. Each week from then on, Hine saves \$4.

She makes a spreadsheet to record her savings. Note that the formulae showing in spreadsheets are normally hidden.

a. Explain what "week 0" in the spreadsheet means.

- b. Show how the formula =B2+4 calculates the value 54 for cell B3.
- c. Work out the values that go in cells B4 to B14.

	Hine's Savings (SS)			
	B3		fx X	=B2+4
ш		A	В	С
н	1	Week	Savings (\$)	
н	2	0	50	
ш	3	1	=B2+4	
ш	4	2	=B3+4	
ш	5	3	=B4+4	
ш	6	4	=B5+4	
ш	7	5	=B6+4	
ш	8	6	=B7+4	
u	9	7	=B8+4	
	10	8		
	11	9		
	12	10		
	13	11		
	14	12		

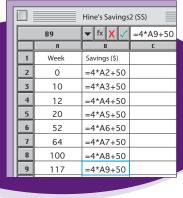
spreadsheet



2. Hine's grandad also makes a spreadsheet for Hine.

- Make the spreadsheet. Work out the values for cells B2 to B14.
- **b.** Show how the formula =4*A3+50 calculates the value 54. (The * means multiply.)
- c. Check that Grandad's spreadsheet produces the same values in the savings column as Hine's.
- 3. Hine decides to continue saving regular weekly amounts instead of buying a bicycle. She makes a second spreadsheet using her grandad's method.
 - **a.** Calculate the values that go in cells B2 to B9.
 - **b.** Make the spreadsheet and check your calculations.
 - c. Hine tells her grandad that his way of making spreadsheets is better than her first way. Why might she think this?
 - **d.** Calculate how much Hine can save after 1 000 weeks.

Hine's second spreadsheet



Grandad's