

Create the geometric sequence 100, 50, 25, 12.5, ...

Repeatedly tap and hold on cell A2.

In spreadsheet tap File, New.

On alternate taps, the black border disappears.

Enter 100 into cell A1 and tap EXE.

Start a formula in cell A2 with =, tap into cell A1, type $\times 0.5$ and tap EXE.

When it disappears, you can drag a copy of the formula into the cell beneath.

Cell A2 now contains 50.

Tap and drag to extend the formula into the next few cells in column A.

To create the sum of the terms of this sequence in column B, tap into cell B1

Tap = to start a formula, tap into cell A1 and tap EXE.

With cell B2 selected, start a formula with =.

Tap into B1, tap +, tap into A2, tap EXE.

The number 150 is now displayed in cell B2, using the formula $=B1+A2$.

File Edit Graph Calc

	A	B	C
1	100		
2	50		
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

$=A1 \cdot 0.5$ ✓ X

A2 50

File Edit Graph Calc

	A	B	C
1	100		
2	50		
3	25		
4	12.5		
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

$=A3 \cdot 0.5$ ✓ X

A4 12.5

File Edit Graph Calc

	A	B	C
1	100	100	
2	50		
3	25		
4	12.5		
5	6.25		
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

✓ X

B2

File Edit Graph Calc

	A	B	C
1	100	100	
2	50	150	
3	25		
4	12.5		
5	6.25		
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

$=B1+A2$ ✓ X

B2 150

Copy and paste this formula into cells, B3, B4 and so on to generate the sums of the terms of this geometric sequence.

To copy and paste an entire row, select the cells in the row, tap back onto the left hand cell and drag down into the cell beneath.

Repeat for a few more cells.

Modify the first term of this sequence from 100 to 20.

Tap into cell A1, type in 20 and tap EXE.

Note how the whole spreadsheet instantly updates.

	A	B	C
1	100	100	
2	50	150	
3	25	175	
4	12.5	187.5	
5	6.25	193.75	
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

=B4+A5

B5 193.75

	A	B	C
1	100	100	
2	50	150	
3	25	175	
4	12.5	187.5	
5	6.25	193.75	
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

=A4*0.5

A5:B5

	A	B	C
1	100	100	
2	50	150	
3	25	175	
4	12.5	187.5	
5	6.25	193.75	
6	3.125	196.875	
7	1.5625	198.438	
8	0.78125	199.219	
9			
10			
11			
12			
13			
14			
15			
16			

=A7*0.5

A8:B8

	A	B	C
1	20	20	
2	10	30	
3	5	35	
4	2.5	37.5	
5	1.25	38.75	
6	0.625	39.375	
7	0.3125	39.6875	
8	0.15625	39.8438	
9	0.07813	39.9219	
10			
11			
12			
13			
14			
15			
16			

20

A1 20