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503	Spreadsheet – Geometric Sequence	Author	Charlie Watson
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This example uses the spreadsheet application to create the geometric sequence 100, 50, 25, 12.5, …

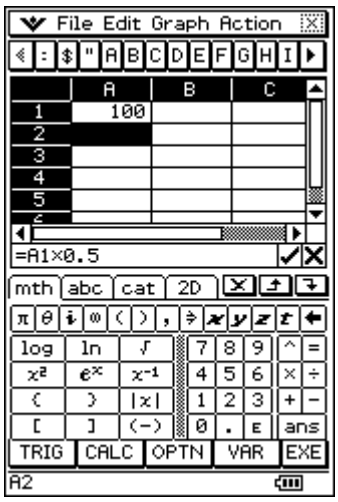
From the Main Menu tap Spreadsheet.

In spreadsheet tap File, New.

Use the keyboard to enter 100 into cell A1 and tap EXE.

Start a formula in cell A2 with =, tap into cell A1 and then add ×0.5.

Tap EXE.



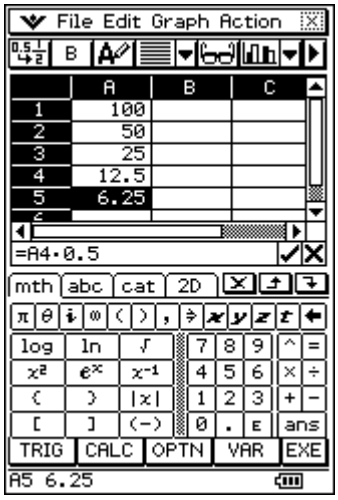
Cell A2 now contains 50.

Experiment with tapping onto cell A2.

Sometimes you will see this 50 and sometimes 50 - a white highlight inside the cell.

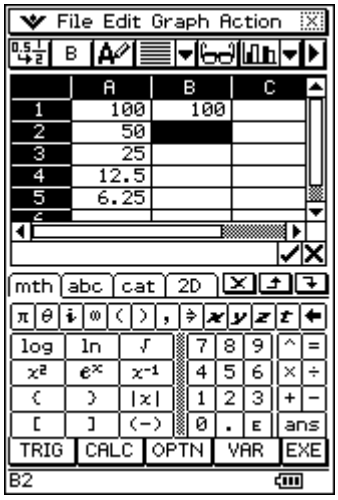
When you see the white highlight, Classpad will let you drag a copy of this cell into another cell.

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

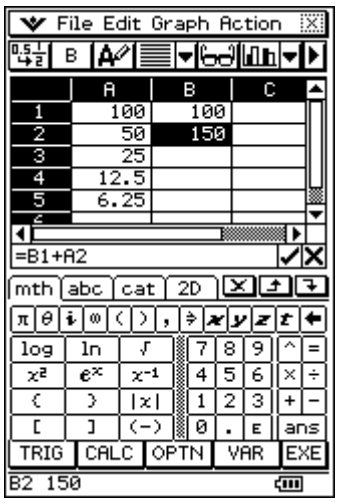
Tap = to start a formula, tap into cell A1 and tap EXE.



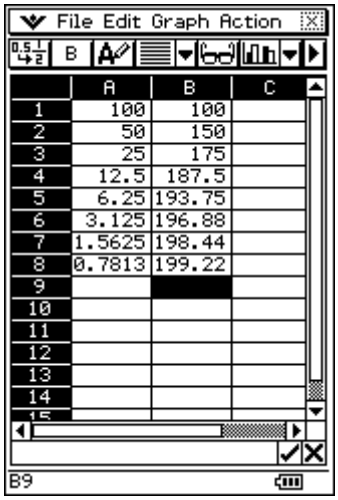
With cell B2 selected, start a formula with =.

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

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



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



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.

Extension: Modify this spreadsheet to also accommodate any common ratio stored in cell C1.