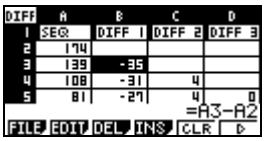
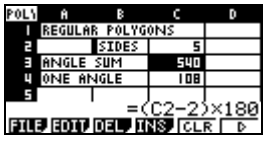
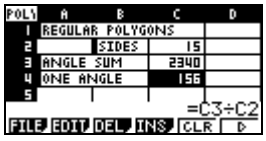
fxNEWS
Support for all Casio fx-9860G models

# Spreadsheets

This edition of fxNews contains 5 example spreadsheets in file **SS06V2.g1m**.

Below is a brief description of each of the included spreadsheets.

| Name | Description |
|---|---|
| **DIFFPATT** | This spreadsheet calculates the first, second and third difference patterns of any sequence of number entered in column A.<br>  <br>Only uses one formula in cell B3, which is then copied and pasted into all other cells. |
| **COMP INT** | Compound interest made easy with a spreadsheet.<br> <br>Enter the interest rate (% pa) in cell D2, the principal ($) in cell B3 and the rest is automatic!<br>Only two formulas are used: One in cell C3 and one in cell B4 which are then copied and pasted down.<br> |
| **POLYGONS** | This spreadsheet is an example of a very quick and simple solution to problems where several variables depend on a single variable. Students could learn to make spreadsheets like this in a few minutes!<br>Change the number of sides of the regular polygon in cell C2 and the angle sum and the size of a single angle are instantly updated in the cells below it.<br>   |

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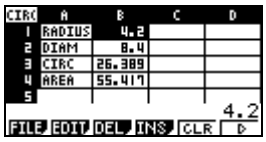
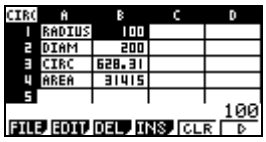
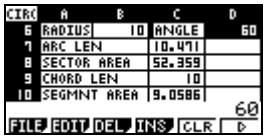
**CIRCLES** Similar to POLYGONS, this spreadsheet further illustrates how changes to one or two variables can be accommodated in calculating other dependent variables.



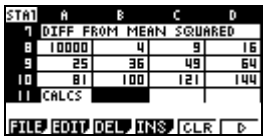

Scroll down a few rows and besides changing the radius of the circle now change the sector angle. (Make sure the angle setup is Degrees and not the default Radians.)

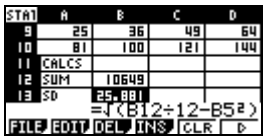


**STATCHNG** Explore changes to the mean and standard deviation of a group of 12 numbers. See both statistics change instantly – on the same screen – when any of the 12 numbers are changed.

Useful for exploring the effect of outliers on these measures and also the effect on mean and sd of removing/adding numbers close/far from the mean.

Calculations are performed in rows below…




## Solution to Challenge from Volume 1.

In Volume 1 of fxNews you might have tried this challenge:
*Create Pascal's Triangle using just two FILL commands and nothing else!*
***SOLUTION***
With the cursor in any cell, use the following two fill commands.
FILL 1. Formula:1. Cell Range:A1:Z26.
FILL 2. Formula:=A2+B1. Cell Range:B2:Z26.

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