

Programs

This edition of fxNews contains three new programs in file **PROG07V2.g1m**

There is also the second of our four-part tutorial 'How to write a program for the fx-9860G' that explains how to write your own programs or modify existing ones.

Below is a brief description of each of the new programs.

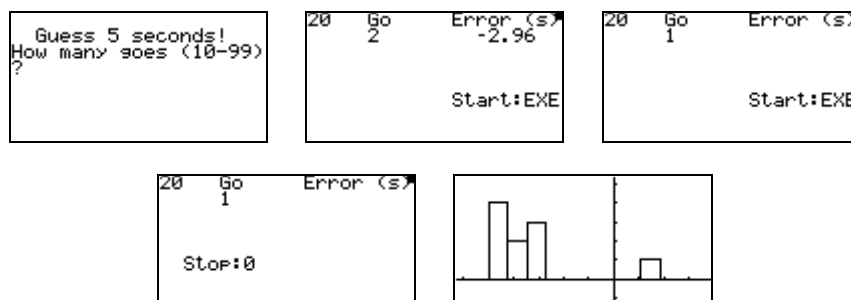
Program	Description
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GUESS

Guess 5 seconds! This program has been used in the past by individual students to explore whether such estimates of time are normally distributed.

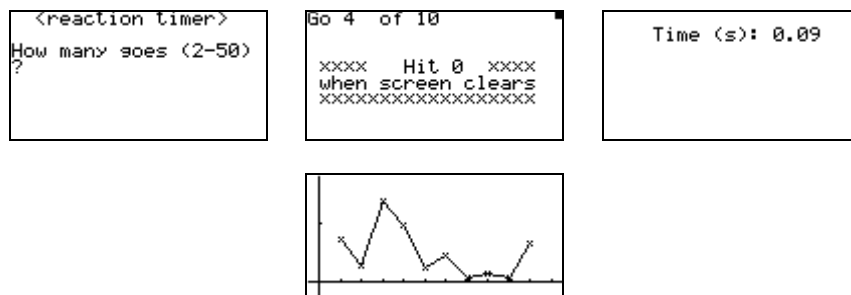
After choosing how many trials (between 10 and 9), the user starts the timer by tapping the EXE key. When they think 5 seconds has elapsed, the 0 key is tapped. The error (5 seconds – user estimate) is displayed and so the process continues.

Once all trials are complete a histogram of the recorded errors is displayed. All data is stored in the STAT lists 1 and 2 for further analysis.



REACT

A similar program to GUESS, REACT collects a set of between 2 and 50 reaction times of individual users. This data is displayed as an X-Y plot and is stored in Lists 1 and 2 for further analysis.



Before using the program, students might like to consider the type of results they would expect and what mathematical model might fit such data. They can then analyze the data to see if it supports their hypothesis.

VENN

This is a program to solve simple 3-set Venn diagram problems when the central number is unknown.

The user must enter $n(U)$, $n(A)$, $n(B)$, $n(C)$, $n(A \cap B)$, $n(A \cap C)$, $n(B \cap C)$ and $n(A \cup B \cup C)$.

The resulting solution is then displayed.

