




Simulations.

This resource was written by Derek Smith with the support of CASIO New Zealand. It may be freely distributed but remains the intellectual property of the author and CASIO.

Select RUN mode from the main menu by using the arrow keys to highlight the RUN icon or pressing 1.



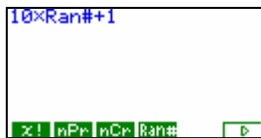
OPTN	 F6	 F3	 then F4
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Example: In New Zealand cars driven on the road are required to have a current warrant of fitness and be registered. A recent newspaper article contained the following statement: "90% of cars on the road in New Zealand have a current Warrant of Fitness and 80% are currently registered".

In response to the article the local police decided to investigate the situation in your town. A police officer parked on the main street and issued tickets to motorists found breaching either of these requirements.

Design a way of simulating the traffic flow which passes the police officer and find out how many of the next 50 drivers will get a ticket.

Carry out at least 50 trials of your simulation.



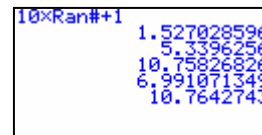
Press **EXE** and record your results in a table.



If registered then a 1,2,3,4,5,6,7,8,9 is required.

If warranted then a 1,2,3,4,5,6,7,8 is required.

Ignoring the decimals we get:



Recordings tally	Registered (R)	Warranted (W)	Result
1	6	10	R and NOT W
2	2	2	R and W
3	9	1	R and W
4	5	10	R and NOT W
5	6	10	R and NOT W
etc	etc	etc	etc

Tally up after you have completed the simulation and compare your results with the newspaper statement.

For further tips, more helpful information and software support visit our website www.monacocorp.co.nz/casio