

Using the Ran# and the RanInt buttons on the Casio fx-991EX Calculator

Using Ran# to generate a random number between 0 and 1

SHIFT	top left
•	the decimal point button to put Ran# on the calculator screen
=	

This gives a random fraction between 0 and 1.

Pressing the $S \leftrightarrow D$ button changes the display into a decimal.

Repeatedly pressing the = button gives different random numbers.

If, instead of pressing the = button, you press SHIFT = to get to the \approx sign, you get a decimal straight away instead of a fraction.

Experiment : Try $10\text{Ran}\#\approx$ or $100\text{Ran}\#\approx$ or $1000\text{Ran}\#\approx$. What does this do?

What about $\text{Ran}\#\approx + 20$ or $100\text{Ran}\#\approx + 50$? Try some other Mathematical operations yourself.

Using RanInt to generate a random integer between two given integers

ALPHA	top, next to SHIFT
•	the decimal point button to put RanInt# (on the calculator screen)
5	the lower limit integer
SHIFT	
)	to display a comma
45	the upper limit integer
)	close bracket
=	

This gives a random integer between 4 and 45.

Repeatedly pressing the = button gives different random numbers between your limits.

It also works for negative integers, e.g. $\text{RanInt}\#(-10,10)$ gives random integers between -10 and $+10$.