

Summing up rows of Pascals Triangle.

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 PRGM mode from the main menu by using the arrow keys to highlight the TABLE icon or pressing $\boxed{X, \theta, T}$ or $\boxed{\text{ALPHA}} \text{A}$.



"PASCAL'S TRIANGLE"

" Σ (ING) PASCAL'S"

"WHAT ROW ?"

? \rightarrow A

0 \rightarrow B

0 \rightarrow C

0 \rightarrow D

0 \rightarrow E

0 \rightarrow F

Fix 0

Lbl 1

D=A+1 Goto 2

ACD \rightarrow F

F

F+C \rightarrow E

E \div C

D+1 \rightarrow D

Goto 1

Lbl 2

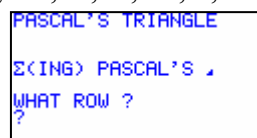
"THE SUM IS ..."

E \blacktriangleleft

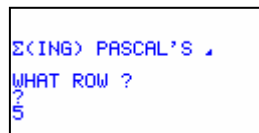
"END"

Example: Find the sum of the 5th row of Pascals triangle 1, 5, 10, 10, 5, 1

Solution: Activate the programme to get the following screen.



Enter in 5 then press $\boxed{\text{EXE}}$



Keep pressing $\boxed{\text{EXE}}$ to get the following Pascal triangle numbers and then the sum, 32.

