



Sequence

Top \rightarrow bottom in order

Selection

if / else

Iteration

repeat # times
while

Declaring / defining

LET age = my age in years

Change value of declared names

LET x = 3

Variables

Increase x by 2

LET x = 0

WHILE x < 10

→ INCREASE x by 3
ENDWHILE

x [12]

define / declare

action

How to collatz(n):

if n is even

$n \div 2$

else

$(n \times 3) + 1$

endif

x = age in yrs

c = 0

while x > 1

inc. c by 1

replace x with

$x = \text{collatz}(x)$

endwhile

How to make pie

1. make pie crust

2. make filling

3. Bake





