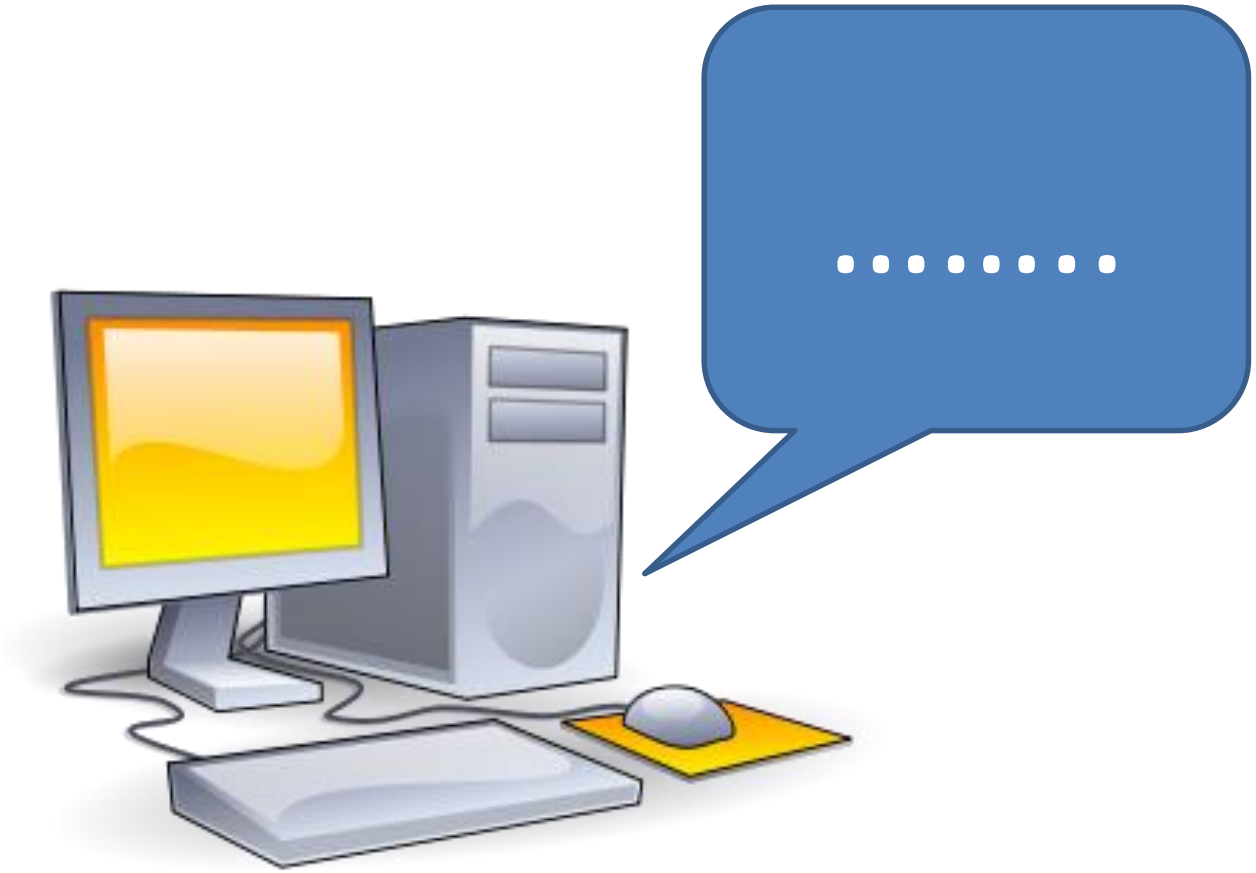
Train your computer to do maths

Phil Bagge
code-it.co.uk

Computers know nothing

The don’t even know how to speak



Humans have to train computers

They do this by writing sets of instructions for the computer to follow called an Algorithm

Humans turn the Algorithm (sets of instructions) into a program

Computer reads the program and does what it says step by step

Summary

Humans write algorithm (instructions)

Humans turn algorithm into computer program

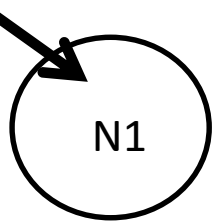
Computer reads program and does it

If program doesn’t work Humans debug it

Shhh… We are going to train our computer to do maths sums for us

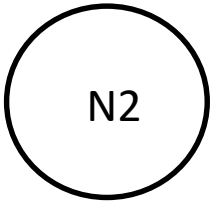
Rules

Numbers **must** be put in pots (variables)

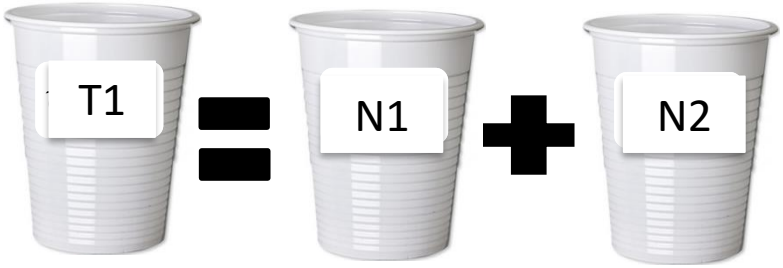


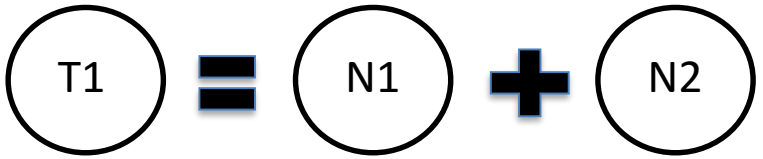
Only one maths operation per line

All pots **must** have different names (n1, n2, t1, t2)

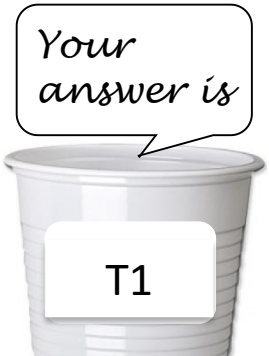


You can add, subtract Multiply & Divide pots

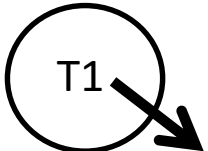




You can look in the pot to



see what is in it



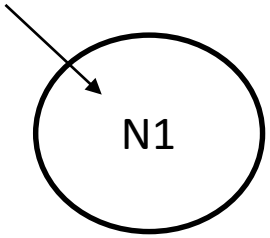
Part 2

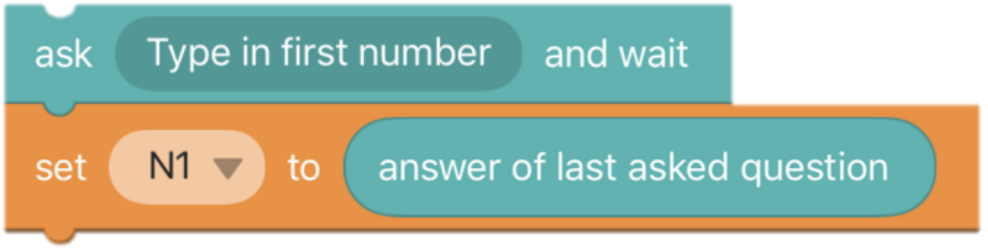
Humans write algorithm

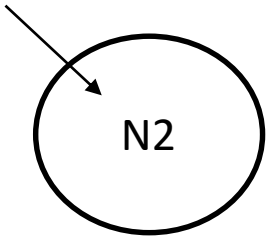
Humans turn algorithm into computer program

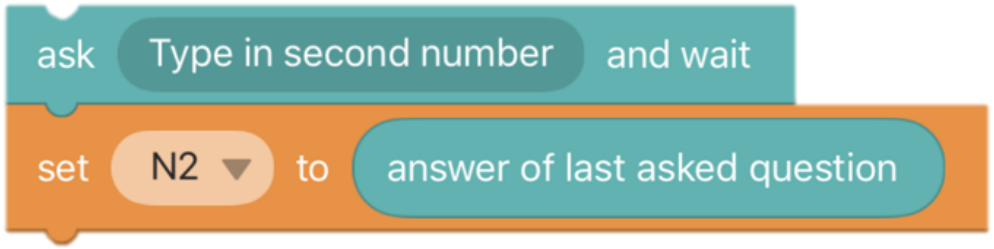
Computer reads program and does it

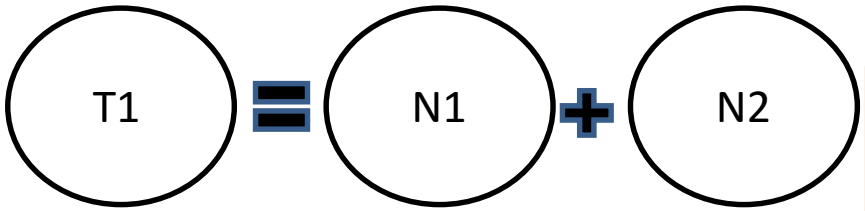
If program doesn’t work Humans debug it


N1

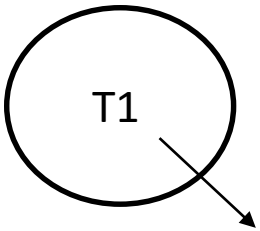

ask
Type in first number
and wait
set
N1
to
answer of last asked question

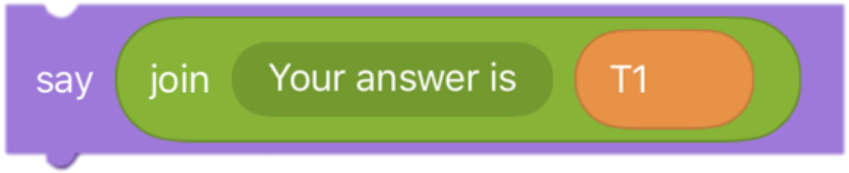

N2


ask
Type in second number
and wait
set
N2
to
answer of last asked question


T1
N1
N2


set
T1
to
N1
+
N2


T1


say
join
Your answer is
T1