

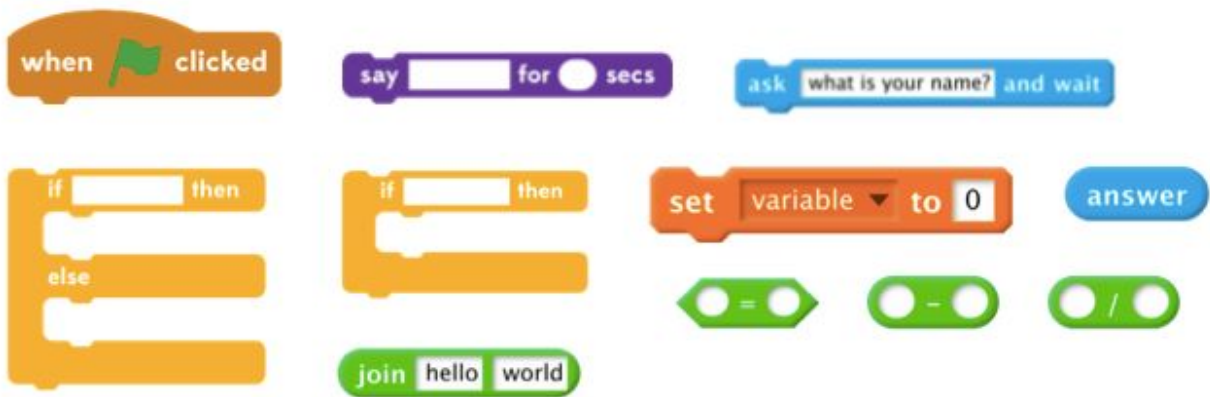


# Two-Step Equation Solver

**Project Goal:** Students will be able to create a program that will solve for any two-step equation of the form  $Ax+B=C$ .

**Standard:** 8.2.4.2 Solve multi-step equations in one variable.

**Blocks:**



**Student Handout:** [Click Here](#)

**Teacher Guide:** [Click Here](#)

**Solution:** See Below





```

when clicked
  set A to A
  set B to B
  set C to C
  say Welcome to the two-step equation solver. for 3 secs
  say I can solve for X in the equation AX+B=C for 3 secs
  ask join A join X+ join B join = join C What is A? and wait
  set A to answer
  ask join A join X+ join B join = join C What is B? and wait
  set B to answer
  ask join A join X+ join B join = join C What is C? and wait
  set C to answer
  say join A join X+ join B join = C
  set Equation to join A join X+ join B join = C
  set C-B to C - B

```

```

if C - B = 0 then
  if A = 0 then
    say join join With the equation join Equation , X= Infinite Solutions
  else
    say join join With the equation join Equation , X= 0
else
  if A = 0 then
    say join join With the equation join Equation , X= No Solution
  else
    set x to C-B / A
    say join join With the equation join Equation , X= C

```

# #CSandMath

