

Cut out this table whole.

|  |  |
| --- | --- |
| Address | Instruction |
| 00 | INP |
| 01 | STA 99 |
| 02 | INP |
| 03 | ADD 99 |
| 04 | OUT |
| 05 | HLT |

  
Cut out the following instructions into individual strips.

|  |
| --- |
| Input a number and put it in the calculator |
| Store the number in the calculator in memory slot 99 |
| Input a number and put it in the calculator |
| Add the number in memory slot 99 to the number in the calculator |
| Output the number which is now in the calculator |
| Halt |

Challenge students to match the explanation with the instruction.

#### Programming ‘Little Man Computer’

#### Example program

When you load Little Man Computer, there is a program already loaded into the computer. The program is written out in the table below in assembly language. By executing the program and using the list of instructions, work out what the program does.

|  |  |  |
| --- | --- | --- |
| **Address** | **Instruction** | **What it does:** |
| 00 | INP |  |
| 01 | STA 99 |  |
| 02 | INP |  |
| 03 | ADD 99 |  |
| 04 | OUT |  |
| 05 | HLT |  |