

#Known Issues/Limitations

- None.

#Algorithm

```
class Table
  NUMBER

  method printTable
    I = 0
    while I is less than or equal to NUMBER:
      print I
      set I to I+1
    end while

    set N to 0
    set K to 0

    while N is less than or equal to NUMBER:
      print N

      while K is less than or equal to number:
        print N*k
        set N to N+1
      end while
    end while
  end printTable

  method setNumber (NUM)
    if NUM <=12 and NUM >= 4:
      set NUMBER to NUM
      return TRUE
    else
      return FALSE
    end setNumber
end Table

class TableDriver
  method main
    create_object TABLE
    set VALID_INPUT to FALSE

    while !VALID_INPUT:
      set NUMBER to input_from_console
      if TABLE.setNumber(NUMBER):
        set VALID_INPUT to TRUE
      end if
    end while
  end main
end TableDriver
```

```
    end while  
    call_method TABLE.printTable  
end TableDriver
```