Program Design

* Display rules
* Request amount of numbers
  + Validate amount
* Request numbers
  + Validate numbers
* Add the numbers
  + Loop through number array
    - Add each number to sum using Numbber.AddNumber member function
      * Adds a number to current instance digit-by-digit
  + Return sum
* Print intermediate steps
  + Right align numbers with sum length
* Print sum
* Multiply first two numbers
  + Loop through second number
    - Loop through first number
      * Multiply digits and add remainder
      * If sum > 9
        + Assign ones place digit to Numbers\_to\_add index
        + assign tens place digit to remainder
      * else
        + Assign sum to Numbers\_to\_add[] index
    - If remainder doesn’t equal 0
      * Assign remainder to Numbers\_to\_add[] index
  + Return AddNumbers (Numbers\_to\_add[], size)
* Print intermediate steps
  + Right align numbers with product length
* Print product