

Please insert second number: 1350

$$36 = 18 * 2 + 0$$

***** (Part 2) *****

Please insert second number: 3435

Second number: 3435

23

+

***** (Part 3) *****

Please insert second number: 3819

Second number: 3819

7419

3819

*

66771

7419

59352

22257

+

28333161

***** (Part 4) *****

```
Please insert an integer between 1 and 10 (exclusive): 8
```

The integer you entered is greater than 5.

```
Program finished...
```

```
osmancan@osmancan-VirtualBox:~/Desktop/220104004011$
```

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***** (Part 1) *****

Please insert first number: 9684

Please insert second number: 74

$9684 = 74 * 130 + 64$

$74 = 64 * 1 + 10$

$64 = 10 * 6 + 4$

$10 = 4 * 2 + 2$

$4 = 2 * 2 + 0$

GCD: 2

***** (Part 2) *****

Please insert first number: 3423

Please insert second number: 564

First number : 3423

Second number: 564

Result:

```
      3423
      564
    +
    -----
      3987
```

***** (Part 3) *****

Please insert first number: 9481

Please insert second number: 23

First number : 9481

Second number: 23

Result:

```
      9481
       23
    *
    -----
      28443
      18962
    +
    -----
      218063
```

***** (Part 4) *****

Please insert an integer between 1 and 10 (exclusive): 12

Invalid input

=====

Program finished...

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***** (Part 1) *****

Please insert first number: 8743

Please insert second number: 234

$8743 = 234 * 37 + 85$

$234 = 85 * 2 + 64$

$85 = 64 * 1 + 21$

$64 = 21 * 3 + 1$

$21 = 1 * 21 + 0$

GCD: 1

***** (Part 2) *****

Please insert first number: 2349

Please insert second number: 234

First number : 2349

Second number: 234

Result:

```
      2349
      234
    +
  -----
     2583
```

***** (Part 3) *****

Please insert first number: 3546

Please insert second number: 213

First number : 3546

Second number: 213

Result:

```
      3546
      213
    *
  -----
     10638
     3546
     7092
    +
  -----
    755298
```

***** (Part 4) *****

Please insert an integer between 1 and 10 (exclusive): 0

Invalid input

=====

Program finished...

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=====

*****(Part 1)*****

Please insert first number: 1684

Please insert second number: 24

 $1684 = 24 * 70 + 4$ $24 = 4 * 6 + 0$

GCD: 4

*****(Part 2)*****

Please insert first number: 6837

Please insert second number: 583

First number : 6837

Second number: 583

Result:

$$\begin{array}{r} 6837 \\ 583 \\ + \\ \hline 7420 \end{array}$$

*****(Part 3)*****

Please insert first number: 857

Please insert second number: 345

First number : 857

Second number: 345

Result:

$$\begin{array}{r} 857 \\ 345 \\ * \\ \hline 4285 \\ 3428 \\ 2571 \\ + \\ \hline 295665 \end{array}$$

*****(Part 4)*****

Please insert an integer between 1 and 10 (exclusive): 2

The integer you entered is less than or equal to 5.

=====

Program finished...

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***** (Part 1) *****

Please insert first number: 32

Please insert second number: 547

$547 = 32 * 17 + 3$

$32 = 3 * 10 + 2$

$3 = 2 * 1 + 1$

$2 = 1 * 2 + 0$

GCD: 1

***** (Part 2) *****

Please insert first number: 9684

Please insert second number: 34

First number : 9684

Second number: 34

Result:

```
      9684
       34
    +
  -----
     9718
```

***** (Part 3) *****

Please insert first number: 4567

Please insert second number: 387

First number : 4567

Second number: 387

Result:

```
      4567
       387
    *
  -----
     31969
     36536
     13701
    +
  -----
    1767429
```

***** (Part 4) *****

Please insert an integer between 1 and 10 (exclusive): 5

The integer you entered is less than or equal to 5.

=====

Program finished...

osmancan@osmancan-VirtualBox:~/Desktop/220104004011\$