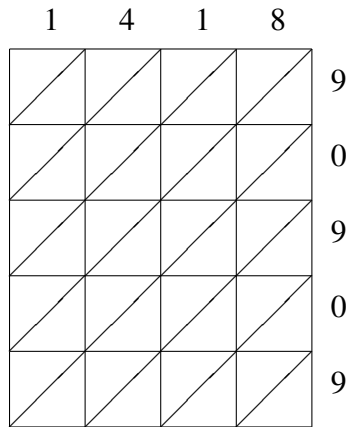# Lattice Multiplication (I)

Use lattice multiplication to find each product.

```
      1    4    1    8
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │  9
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  0
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  9
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  0
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  9
   └────┴────┴────┴────┘
```

$1418 \times 90909 =$ _____

```
      3    5    0    8
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │  5
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  0
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  3
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  9
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  2
   └────┴────┴────┴────┘
```

$3508 \times 50392 =$ _____

```
      5    4    0    5
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │  8
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  9
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  7
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  3
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  6
   └────┴────┴────┴────┘
```

$5405 \times 89736 =$ _____

```
      3    6    0    8
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │  7
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  4
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  7
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  9
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │  7
   └────┴────┴────┴────┘
```
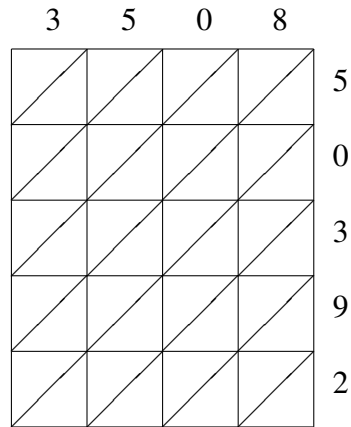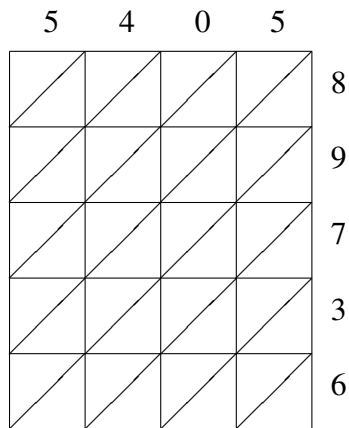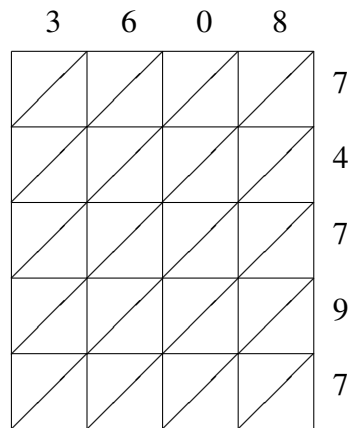
$3608 \times 74797 =$ _____

Lattice Multiplication (I) Answers

Use lattice multiplication to find each product.
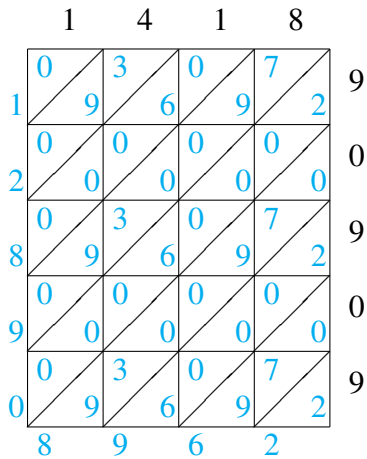
$1418 \times 90909 = 128,908,962$

$3508 \times 50392 = 176,775,136$

$5405 \times 89736 = 485,023,080$
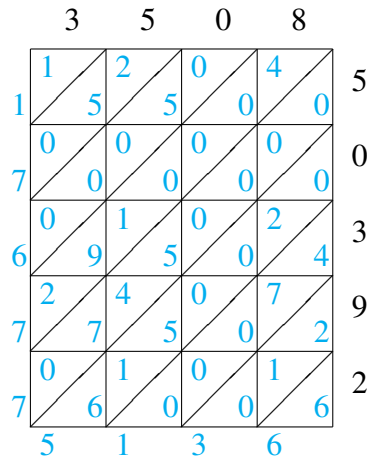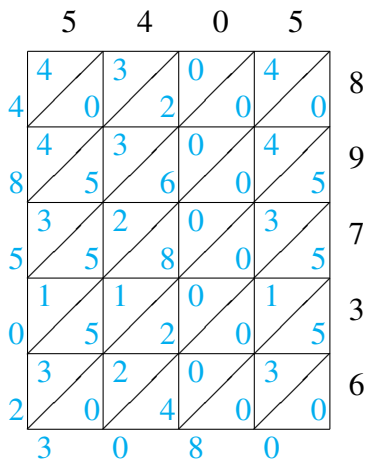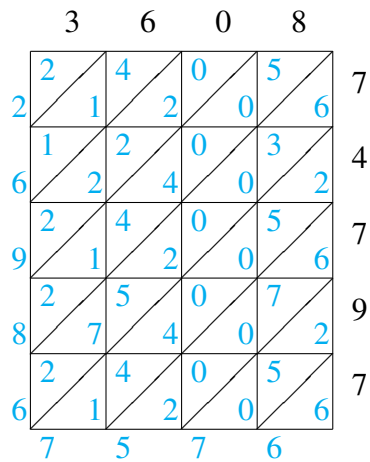
$3608 \times 74797 = 269,867,576$

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