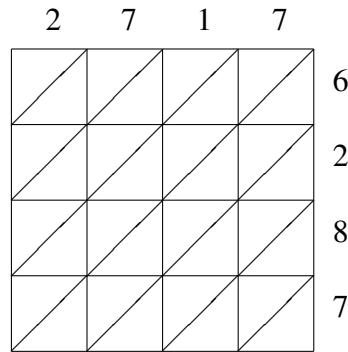# Lattice Multiplication (G)
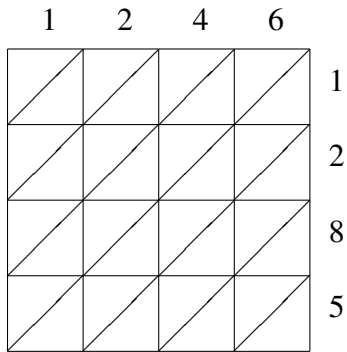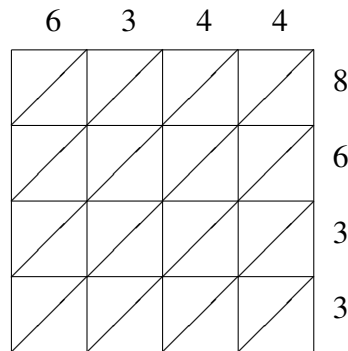
Use lattice multiplication to find each product.

```
     1    2    4    6
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │ 1
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 2
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 8
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 5
   └────┴────┴────┴────┘
```

$1246 \times 1285 =$ _____

```
     3    3    6    2
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │ 6
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 7
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 6
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 9
   └────┴────┴────┴────┘
```

$3362 \times 6769 =$ _____

```
     1    4    4    0
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │ 9
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 7
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 3
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 6
   └────┴────┴────┴────┘
```

$1440 \times 9736 =$ _____

```
     2    7    1    7
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │ 6
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 2
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 8
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 7
   └────┴────┴────┴────┘
```

$2717 \times 6287 =$ _____

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

$6344 \times 8633 =$ _____

```
     6    1    8    9
   ┌────┬────┬────┬────┐
   │ ╱  │ ╱  │ ╱  │ ╱  │ 7
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 9
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 4
   ├────┼────┼────┼────┤
   │ ╱  │ ╱  │ ╱  │ ╱  │ 9
   └────┴────┴────┴────┘
```
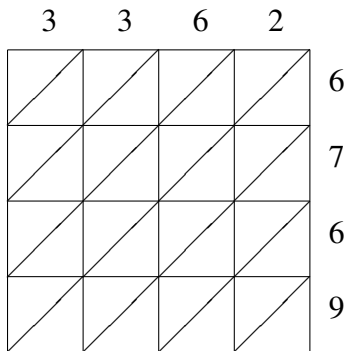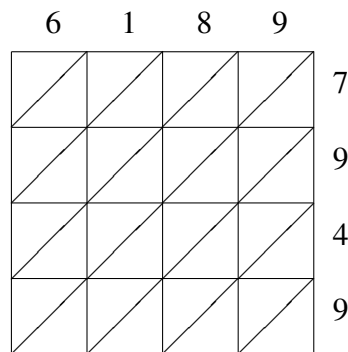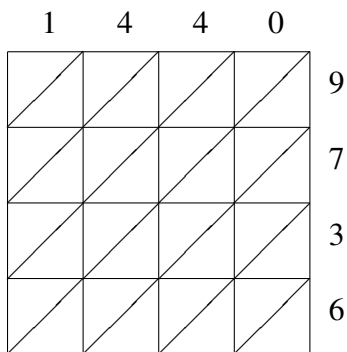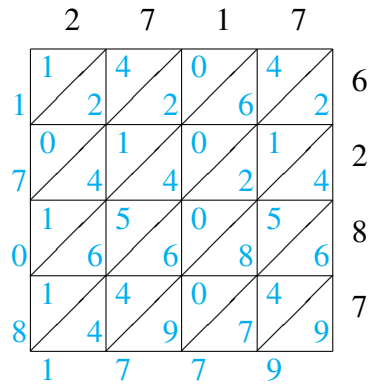
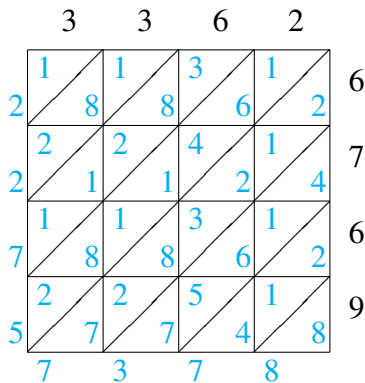$6189 \times 7949 =$ _____

Lattice Multiplication (G) Answers
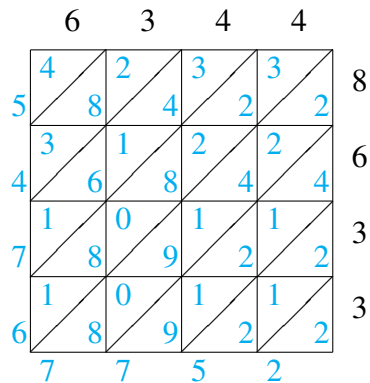
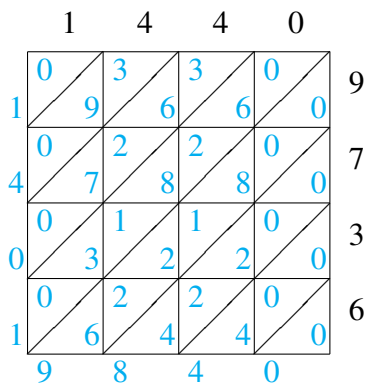## Use lattice multiplication to find each product.
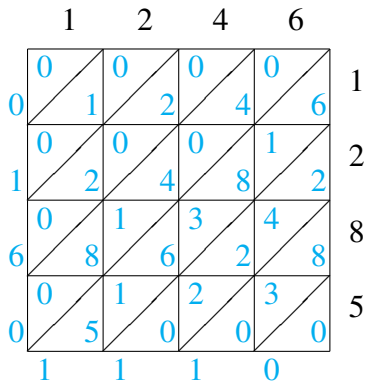
$1246 \times 1285 = 1,601,110$
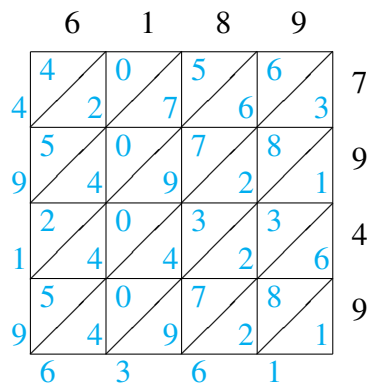
$2717 \times 6287 = 17,081,779$

$3362 \times 6769 = 22,757,378$

$6344 \times 8633 = 54,767,752$

$1440 \times 9736 = 14,019,840$

$6189 \times 7949 = 49,196,361$