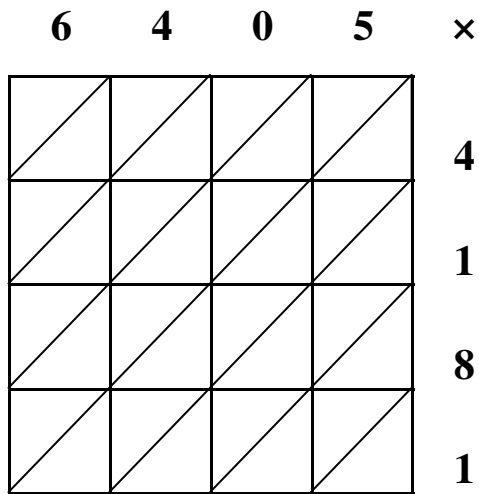
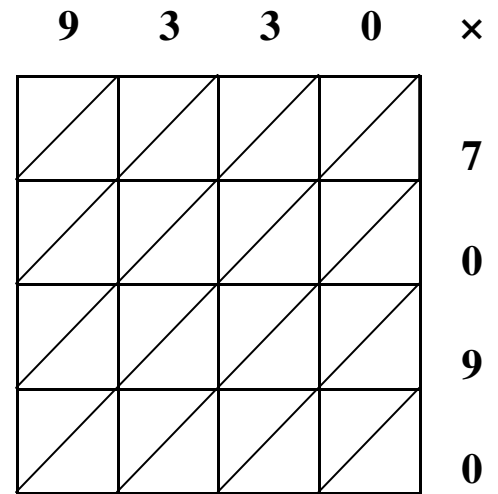


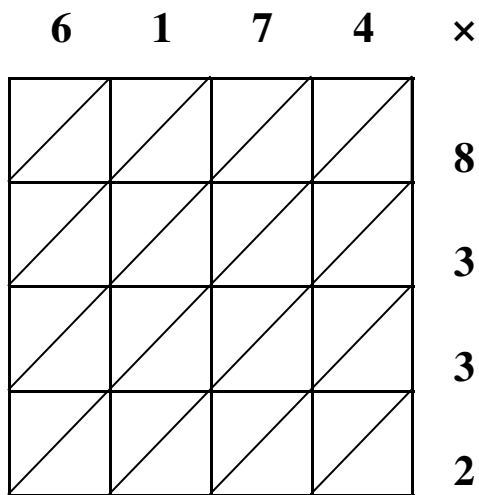
Lattice Multiplication (D)



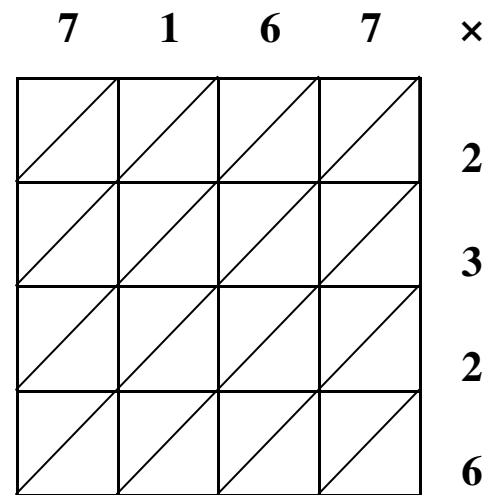
$$6405 \times 4181$$



$$9330 \times 7090$$



$$6174 \times 8332$$



$$7167 \times 2326$$

Lattice Multiplication (D) Answers

$$\begin{array}{r}
 \mathbf{6} \quad \mathbf{4} \quad \mathbf{0} \quad \mathbf{5} \quad \times \\
 \begin{array}{|c|c|c|c|} \hline 2 & 1 & 0 & 2 \\ \hline 4 & 6 & 0 & 0 \\ \hline 0 & 0 & 0 & 0 \\ \hline 6 & 4 & 0 & 5 \\ \hline 4 & 3 & 0 & 4 \\ \hline 8 & 2 & 0 & 0 \\ \hline 0 & 0 & 0 & 0 \\ \hline 6 & 4 & 0 & 5 \\ \hline \end{array} \\
 \begin{array}{r}
 0 \quad 2 \quad \mathbf{4} \\
 1 \quad 6 \quad \mathbf{1} \\
 1 \quad 7 \quad \mathbf{8} \\
 0 \quad 7 \quad \mathbf{1}
 \end{array} \\
 \begin{array}{r}
 9 \quad 3 \quad 0 \quad 5 \\
 1 \quad 0
 \end{array} \\
 \mathbf{6405} \quad \times \quad \mathbf{4181} \\
 \mathbf{26,779,305}
 \end{array}$$

$$\begin{array}{r}
 \mathbf{9} \quad \mathbf{3} \quad \mathbf{3} \quad \mathbf{0} \quad \times \\
 \begin{array}{|c|c|c|c|} \hline 6 & 2 & 2 & 0 \\ \hline 3 & 1 & 1 & 0 \\ \hline 0 & 0 & 0 & 0 \\ \hline 0 & 0 & 0 & 0 \\ \hline 8 & 2 & 2 & 0 \\ \hline 1 & 7 & 7 & 0 \\ \hline 0 & 0 & 0 & 0 \\ \hline 0 & 0 & 0 & 0 \\ \hline \end{array} \\
 \begin{array}{r}
 0 \quad 6 \quad \mathbf{7} \\
 1 \quad 6 \quad \mathbf{0} \\
 0 \quad 1 \quad \mathbf{9} \\
 0 \quad 4 \quad \mathbf{0}
 \end{array} \\
 \begin{array}{r}
 9 \quad 7 \quad 0 \quad 0 \\
 0 \quad 0
 \end{array} \\
 \mathbf{9330} \quad \times \quad \mathbf{7090} \\
 \mathbf{66,149,700}
 \end{array}$$

$$\begin{array}{r}
 \mathbf{6} \quad \mathbf{1} \quad \mathbf{7} \quad \mathbf{4} \quad \times \\
 \begin{array}{|c|c|c|c|} \hline 4 & 0 & 5 & 3 \\ \hline 8 & 8 & 6 & 2 \\ \hline 1 & 0 & 2 & 1 \\ \hline 8 & 3 & 1 & 2 \\ \hline 1 & 0 & 2 & 1 \\ \hline 8 & 3 & 1 & 2 \\ \hline 1 & 0 & 1 & 0 \\ \hline 2 & 2 & 4 & 8 \\ \hline \end{array} \\
 \begin{array}{r}
 1 \quad 5 \quad \mathbf{8} \\
 2 \quad 1 \quad \mathbf{3} \\
 2 \quad 4 \quad \mathbf{3} \\
 1 \quad 4 \quad \mathbf{2}
 \end{array} \\
 \begin{array}{r}
 1 \quad 7 \quad 6 \quad 8 \\
 0 \quad 0
 \end{array} \\
 \mathbf{6174} \quad \times \quad \mathbf{8332} \\
 \mathbf{51,441,768}
 \end{array}$$

$$\begin{array}{r}
 \mathbf{7} \quad \mathbf{1} \quad \mathbf{6} \quad \mathbf{7} \quad \times \\
 \begin{array}{|c|c|c|c|} \hline 1 & 0 & 1 & 1 \\ \hline 4 & 2 & 2 & 4 \\ \hline 2 & 0 & 1 & 2 \\ \hline 1 & 3 & 8 & 1 \\ \hline 1 & 0 & 1 & 1 \\ \hline 4 & 2 & 2 & 4 \\ \hline 4 & 0 & 3 & 4 \\ \hline 2 & 6 & 6 & 2 \\ \hline \end{array} \\
 \begin{array}{r}
 0 \quad 1 \quad \mathbf{2} \\
 0 \quad 6 \quad \mathbf{3} \\
 1 \quad 6 \quad \mathbf{2} \\
 2 \quad 7 \quad \mathbf{6}
 \end{array} \\
 \begin{array}{r}
 0 \quad 4 \quad 4 \quad 2 \\
 1 \quad 1
 \end{array} \\
 \mathbf{7167} \quad \times \quad \mathbf{2326} \\
 \mathbf{16,670,442}
 \end{array}$$