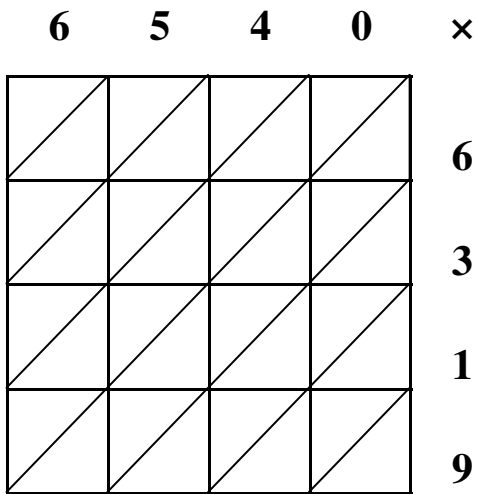
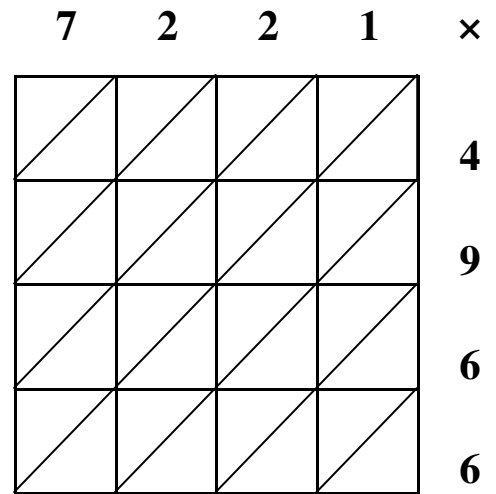


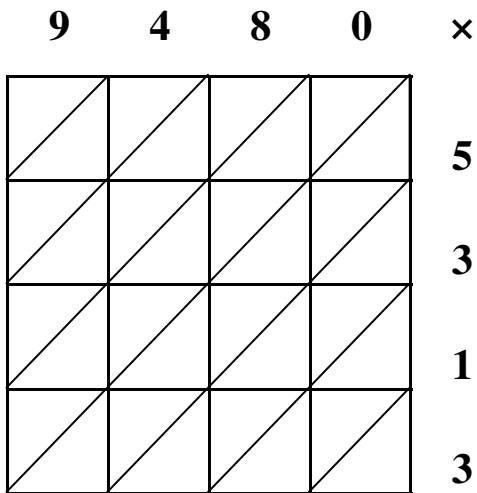
Lattice Multiplication (T)



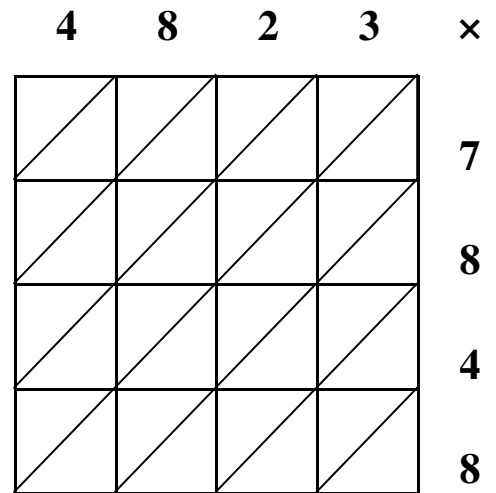
$$6540 \times 6319$$



$$7221 \times 4966$$



$$9480 \times 5313$$



$$4823 \times 7848$$

Lattice Multiplication (T) Answers

$$\begin{array}{r}
 \mathbf{6} \quad \mathbf{5} \quad \mathbf{4} \quad \mathbf{0} \quad \times \\
 \begin{array}{|c|c|c|c|}
 \hline
 3 & 3 & 2 & 0 \\
 \hline
 6 & 0 & 4 & 0 \\
 \hline
 1 & 1 & 1 & 0 \\
 \hline
 8 & 5 & 2 & 0 \\
 \hline
 0 & 0 & 0 & 0 \\
 \hline
 6 & 5 & 4 & 0 \\
 \hline
 5 & 4 & 3 & 0 \\
 \hline
 4 & 5 & 6 & 0 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1 \quad 4 \\
 1 \quad 1 \\
 2 \quad 3 \\
 1 \quad 2 \\
 \end{array}
 \end{array}
 \begin{array}{l}
 \mathbf{6} \\
 \mathbf{3} \\
 \mathbf{1} \\
 \mathbf{9} \\
 \mathbf{6} \quad \mathbf{2} \quad \mathbf{6} \quad \mathbf{0} \\
 \mathbf{1} \quad \mathbf{0} \\
 \mathbf{6540} \quad \times \quad \mathbf{6319} \\
 \mathbf{41,326,260}
 \end{array}$$

$$\begin{array}{r}
 \mathbf{7} \quad \mathbf{2} \quad \mathbf{2} \quad \mathbf{1} \quad \times \\
 \begin{array}{|c|c|c|c|}
 \hline
 2 & 0 & 0 & 0 \\
 \hline
 8 & 8 & 8 & 4 \\
 \hline
 6 & 1 & 1 & 0 \\
 \hline
 3 & 8 & 8 & 9 \\
 \hline
 4 & 1 & 1 & 0 \\
 \hline
 2 & 2 & 2 & 6 \\
 \hline
 4 & 1 & 1 & 0 \\
 \hline
 2 & 2 & 2 & 6 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1 \quad 3 \\
 1 \quad 5 \\
 2 \quad 8 \\
 1 \quad 5 \\
 \end{array}
 \end{array}
 \begin{array}{l}
 \mathbf{4} \\
 \mathbf{9} \\
 \mathbf{9} \\
 \mathbf{6} \\
 \mathbf{6} \\
 \mathbf{9} \quad \mathbf{4} \quad \mathbf{8} \quad \mathbf{6} \\
 \mathbf{1} \quad \mathbf{0} \\
 \mathbf{7221} \quad \times \quad \mathbf{4966} \\
 \mathbf{35,859,486}
 \end{array}$$

$$\begin{array}{r}
 \mathbf{9} \quad \mathbf{4} \quad \mathbf{8} \quad \mathbf{0} \quad \times \\
 \begin{array}{|c|c|c|c|}
 \hline
 4 & 2 & 4 & 0 \\
 \hline
 5 & 0 & 0 & 0 \\
 \hline
 2 & 1 & 2 & 0 \\
 \hline
 7 & 2 & 4 & 0 \\
 \hline
 0 & 0 & 0 & 0 \\
 \hline
 9 & 4 & 8 & 0 \\
 \hline
 2 & 1 & 2 & 0 \\
 \hline
 7 & 2 & 4 & 0 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1 \quad 5 \\
 1 \quad 0 \\
 1 \quad 3 \\
 1 \quad 6 \\
 \end{array}
 \end{array}
 \begin{array}{l}
 \mathbf{5} \\
 \mathbf{3} \\
 \mathbf{1} \\
 \mathbf{3} \\
 \mathbf{7} \quad \mathbf{2} \quad \mathbf{4} \quad \mathbf{0} \\
 \mathbf{1} \quad \mathbf{0} \\
 \mathbf{9480} \quad \times \quad \mathbf{5313} \\
 \mathbf{50,367,240}
 \end{array}$$

$$\begin{array}{r}
 \mathbf{4} \quad \mathbf{8} \quad \mathbf{2} \quad \mathbf{3} \quad \times \\
 \begin{array}{|c|c|c|c|}
 \hline
 2 & 5 & 1 & 2 \\
 \hline
 8 & 6 & 4 & 1 \\
 \hline
 3 & 6 & 1 & 2 \\
 \hline
 2 & 4 & 6 & 4 \\
 \hline
 1 & 3 & 0 & 1 \\
 \hline
 6 & 2 & 8 & 2 \\
 \hline
 3 & 6 & 1 & 2 \\
 \hline
 2 & 4 & 6 & 4 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1 \quad 3 \\
 1 \quad 7 \\
 2 \quad 8 \\
 2 \quad 5 \\
 \end{array}
 \end{array}
 \begin{array}{l}
 \mathbf{7} \\
 \mathbf{8} \\
 \mathbf{4} \\
 \mathbf{4} \\
 \mathbf{8} \\
 \mathbf{0} \quad \mathbf{9} \quad \mathbf{0} \quad \mathbf{4} \\
 \mathbf{1} \quad \mathbf{1} \\
 \mathbf{4823} \quad \times \quad \mathbf{7848} \\
 \mathbf{37,850,904}
 \end{array}$$