

Traditional Multiplication

Trad.

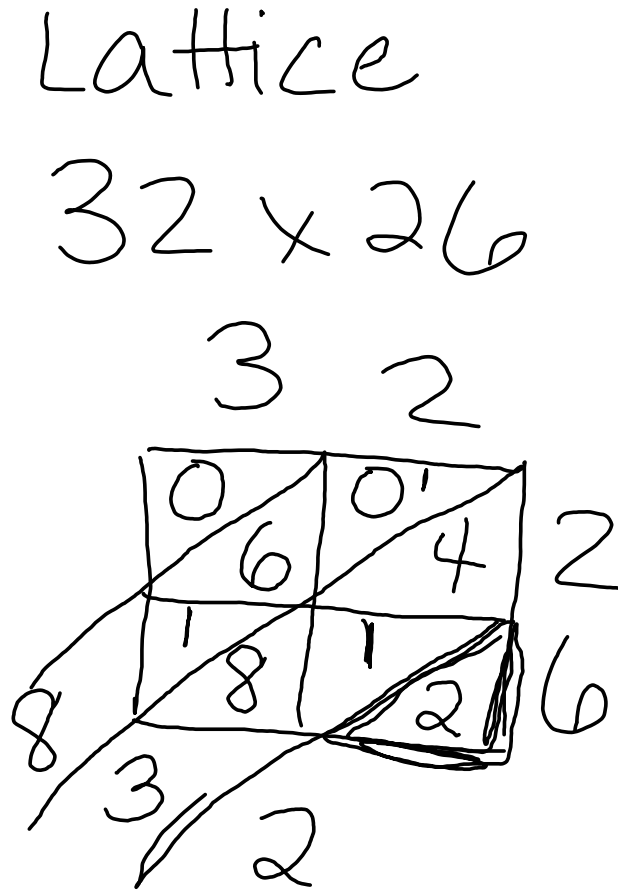
$$\begin{array}{r}
 \overset{*}{22} \\
 \times 68 \\
 \hline
 176 \\
 + 1320 \\
 \hline
 1,496
 \end{array}$$

Bowtie

$$\begin{array}{r}
 20 + 2 \\
 \times 60 + 8 \\
 \hline
 160 \} 176 \\
 1200 \} \\
 + 1200 \} 1,320 \\
 \hline
 1,496
 \end{array}$$

Trad.

$$\begin{array}{r}
 *32 \\
 \times 26 \\
 \hline
 192 \\
 + 640 \\
 \hline
 832
 \end{array}$$



Trad.

$$\begin{array}{r}
 * \\
 32 \\
 \times 48 \\
 \hline
 256 \\
 + 1280 \\
 \hline
 1,536
 \end{array}$$

Partial Prod. Box

$$32 \times 48$$

$$\begin{array}{r}
 30 + 2 \quad 1,280 \\
 40 \quad \begin{array}{|c|c|} \hline 1,200 & 80 \\ \hline \end{array} \\
 + \\
 8 \quad \begin{array}{|c|c|} \hline 240 & 16 \\ \hline \end{array} \\
 \hline
 \underbrace{\hspace{10em}}_{256}
 \end{array}$$

$$\begin{array}{r}
 1,200 \\
 240 \\
 80 \\
 + 16 \\
 \hline
 1,536
 \end{array}$$

$$\begin{array}{r} \times \\ 486 \\ \times 78 \\ \hline 172 \\ + 6020 \\ \hline (6,192) \end{array}$$

$$\begin{array}{r} \cancel{5}68 \\ \times 7\cancel{4} \\ \hline 1272 \\ + 4760 \\ \hline \textcircled{5,032} \end{array}$$

$$\begin{array}{r} \cancel{2}35 \\ \times 5\cancel{4} \\ \hline 315 \\ + 1750 \\ \hline \textcircled{2,065} \end{array}$$

$$\begin{array}{r} '43 \\ \times \underline{52} \\ \hline 86 \\ + 2150 \\ \hline \textcircled{2,236} \end{array}$$

$$\begin{array}{r} 1. \quad 47 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 84 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 21 \\ \times 11 \\ \hline \end{array}$$