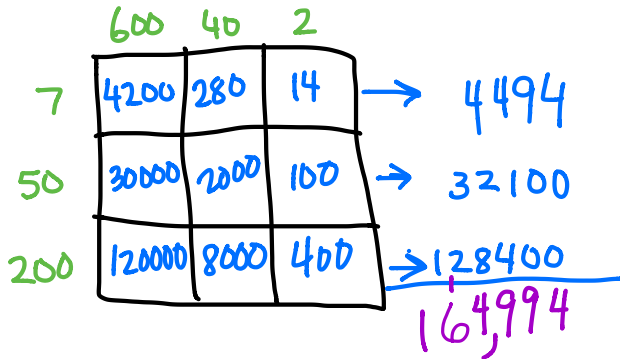Name _____   Date _____

Draw an area model. Then, solve using the standard algorithm.

a. 642 × 257

$$
\begin{array}{r}
\overset{2}{6}\overset{1}{4}2 \\
\times\ 2\,5\,7 \\
\hline
4\,4\,9\,4 \\
3\,2\,1\,0\,0 \\
+\,1\,2\,8\,4\,0\,0 \\
\hline
1\,6\,4{,}9\,9\,4
\end{array}
$$

b. 642 × 207
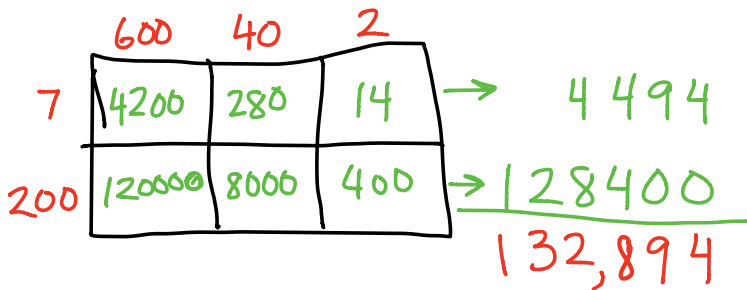
$$
\begin{array}{r}
6\,4\,2 \\
\times\ 2\,0\,7 \\
\hline
4\,4\,9\,4 \\
+\,1\,2\,8\,4\,0\,0 \\
\hline
1\,3\,2{,}8\,9\,4
\end{array}
$$

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Lesson 7:   Connect area models and the distributive property to partial products
of the standard algorithm with renaming.

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