

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Draw an area model, and then solve using the standard algorithm. Use arrows to match the partial products from the area model to the partial products in the algorithm.

a.  $527 \times 36$

$500 + 20 + 7$			
6	3000	120	42
+			
30	15,000	600	210

$3162 \rightarrow$   $\begin{array}{r} 527 \\ \times 36 \\ \hline 3162 \end{array}$

$15,810 \rightarrow$   $\begin{array}{r} 15810 \\ + 18972 \\ \hline 18972 \end{array}$

2. Solve using the standard algorithm.

a.  $213 \times 32$

$$\begin{array}{r} 213 \\ \times 32 \\ \hline 426 \\ 6390 \\ \hline 6816 \end{array}$$

b.  $496 \times 53$

$$\begin{array}{r} 496 \\ \times 53 \\ \hline 488 \\ 1488 \\ + 24800 \\ \hline 26288 \end{array}$$

c.  $413 \times 22$

$$\begin{array}{r} 413 \\ \times 22 \\ \hline 826 \\ + 8260 \\ \hline 9086 \end{array}$$

d.  $529 \times 48$

$$\begin{array}{r} 529 \\ \times 48 \\ \hline 4232 \\ + 21160 \\ \hline 25392 \end{array}$$