

Box Method Multiplication - 3 Digits x 3 Digits Practice

Use the box model to solve the following questions

847x180=?

104x802=?

371x773=?

998x819=?

	100	80	0	$847 \times 180 = 152460$ $\begin{array}{r} 80000 \\ 64000 \\ + \quad 0 \\ 4000 \\ 3200 \\ \quad 0 \\ 700 \\ 560 \\ \quad 0 \\ \hline 152460 \end{array}$
800	80000	64000	0	
40	4000	3200	0	
7	700	560	0	

	800	0	2	$104 \times 802 = 83408$ $\begin{array}{r} 80000 \\ 0 \\ + \quad 200 \\ 0 \\ 0 \\ 0 \\ 3200 \\ 0 \\ \quad 8 \\ \hline 83408 \end{array}$
100	80000	0	200	
0	0	0	0	
4	3200	0	8	

	700	70	3	$371 \times 773 = 286783$ $\begin{array}{r} 210000 \\ 21000 \\ + \quad 900 \\ 49000 \\ 4900 \\ 210 \\ 700 \\ 70 \\ \quad 3 \\ \hline 286783 \end{array}$
300	210000	21000	900	
70	49000	4900	210	
1	700	70	3	

	800	10	9	$998 \times 819 = 817362$ $\begin{array}{r} 720000 \\ 9000 \\ + \quad 8100 \\ 72000 \\ 900 \\ 810 \\ 6400 \\ 80 \\ \quad 72 \\ \hline 817362 \end{array}$
900	720000	9000	8100	
90	72000	900	810	
8	6400	80	72	