

**Box Method Multiplication - 3 Digits x 3 Digits Practice**

Use the box model to solve the following questions


413x688=?


167x148=?


785x721=?


853x484=?

	600	80	8	$413 \times 688 = 284144$ $\begin{array}{r} 240000 \\ 32000 \\ + \quad 3200 \\ \quad 6000 \\ \quad \quad 800 \\ \quad \quad \quad 80 \\ \quad \quad \quad 1800 \\ \quad \quad \quad \quad 240 \\ \quad \quad \quad \quad \quad 24 \\ \hline 284144 \end{array}$
400	240000	32000	3200	
10	6000	800	80	
3	1800	240	24	

	100	40	8	$167 \times 148 = 24716$ $\begin{array}{r} 10000 \\ 4000 \\ + \quad 800 \\ \quad 6000 \\ \quad 2400 \\ \quad \quad 480 \\ \quad \quad 700 \\ \quad \quad \quad 280 \\ \quad \quad \quad \quad 56 \\ \hline 24716 \end{array}$
100	10000	4000	800	
60	6000	2400	480	
7	700	280	56	

	700	20	1	$785 \times 721 = 565985$ $\begin{array}{r} 490000 \\ 14000 \\ + \quad 700 \\ \quad 56000 \\ \quad 1600 \\ \quad \quad 80 \\ \quad \quad 3500 \\ \quad \quad \quad 100 \\ \quad \quad \quad \quad 5 \\ \hline 565985 \end{array}$
700	490000	14000	700	
80	56000	1600	80	
5	3500	100	5	

	400	80	4	$853 \times 484 = 412852$ $\begin{array}{r} 320000 \\ 64000 \\ + \quad 3200 \\ \quad 20000 \\ \quad \quad 4000 \\ \quad \quad \quad 200 \\ \quad \quad \quad 1200 \\ \quad \quad \quad \quad 240 \\ \quad \quad \quad \quad \quad 12 \\ \hline 412852 \end{array}$
800	320000	64000	3200	
50	20000	4000	200	
3	1200	240	12	