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Multi-Digit Multiplication Strategies . .

There are many different strategies for **multiplication**. Here are a few:



Partial Product					
13 = 10 + 3	•	Decompose 13 into 1 ten plus 3 ones.			
$\frac{\times 5}{15}$ = 2 × 5	•	Multiply each part of the decomposed number by 5.			
$+50 = 10 \times 5$		Add together each partial product.			
65	•	Now you have the product (answer).			

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Multi-Digit Multiplication Strategies (continued).....



81 :	× 615 =	1		
	600	10	5	48,000 800
80	80 × 600 = 48,000	80 × 10 = 800	80 × 5 = 400	400 600
1	1 × 600 = 600	1 × 10 = 10	1 × 5 = 5	10 <u>+ 5</u> 49.815
				y

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