4-Digit times 2-Digit Partial-Product Multiplication Algorithm

Hundred-Thousands	Ten-Thousands	Thousands	Hundreds	Tens	Ones	
						(Tens x Thousands)
						(Tens x Hundreds)
						(Tens x Tens)
						(Tens x Ones)
						(Ones x Thousands)
						(Ones x Hundreds)
						(Ones x Tens)
						(Ones x Ones)
						Answer!