

Hundred-Thousands	Ten-Thousands	Thousands	Hundreds	Tens	Ones
			9	5	2
			6	3	7
5	4	0	0	0	0
	3	0	0	0	0
		1	2	0	0
	2	7	0	0	0
		1	5	0	0
				6	0
		6	3	0	0
			3	5	0
				1	4
6	0	6	4	2	4

**3-Digit times 3-Digit
Partial-Product
Multiplication
Algorithm**

$$= 600 \times 900 \quad (\text{Hundreds} \times \text{Hundreds})$$

$$= 600 \times 50 \quad (\text{Hundreds} \times \text{Tens})$$

$$= 600 \times 2 \quad (\text{Hundreds} \times \text{Ones})$$

$$= 30 \times 900 \quad (\text{Tens} \times \text{Hundreds})$$

$$= 30 \times 50 \quad (\text{Tens} \times \text{Tens})$$

$$= 30 \times 2 \quad (\text{Tens} \times \text{Ones})$$

$$= 7 \times 900 \quad (\text{Ones} \times \text{Hundreds})$$

$$= 7 \times 50 \quad (\text{Ones} \times \text{Tens})$$

$$= 7 \times 2 \quad (\text{Ones} \times \text{Ones})$$

Answer!