

Millions	Hundred-Thousands	Ten-Thousands	Thousands	Hundreds	Tens	Ones
			8	7	4	2
				8	3	7
6	4	0	0	0	0	0
	5	6	0	0	0	0
		3	2	0	0	0
			1	6	0	0
	2	4	0	0	0	0
		2	1	0	0	0
			1	2	0	0
					6	0
		5	6	0	0	0
			4	9	0	0
				2	8	0
					1	4
7	3	1	7	0	5	4

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

$$= 800 \times 8000 \quad (\text{Hundreds} \times \text{Thousands})$$

$$= 800 \times 700 \quad (\text{Hundreds} \times \text{Hundreds})$$

$$= 800 \times 40 \quad (\text{Hundreds} \times \text{Tens})$$

$$= 800 \times 2 \quad (\text{Hundreds} \times \text{Ones})$$

$$= 30 \times 8000 \quad (\text{Tens} \times \text{Thousands})$$

$$= 30 \times 700 \quad (\text{Tens} \times \text{Hundreds})$$

$$= 30 \times 40 \quad (\text{Tens} \times \text{Tens})$$

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

$$= 7 \times 8000 \quad (\text{Ones} \times \text{Thousands})$$

$$= 7 \times 700 \quad (\text{Ones} \times \text{Hundreds})$$

$$= 7 \times 40 \quad (\text{Ones} \times \text{Tens})$$

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

Answer!