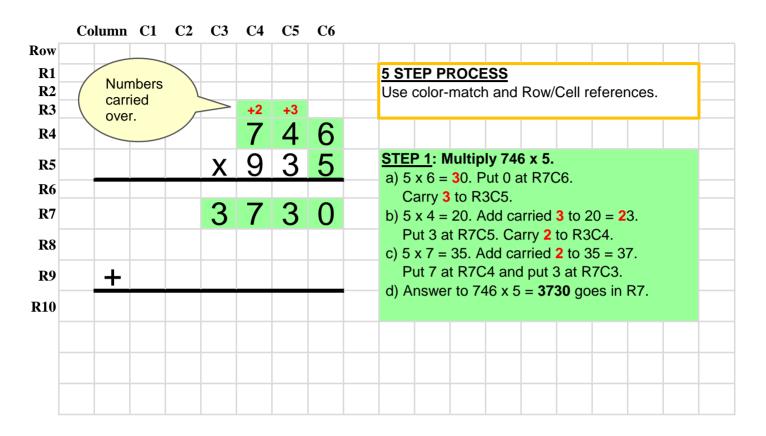
Multiplication Walkthrough - Shown on Two Sides

Last Updated: 11/27/16

Multiply 3-Digit and 3-Digit Numbers



	Column	C1	C2	C3	C4	C5	C6	
Row								
R1								STEP 2: Multiply 746 x 3.
R2					+1	+1		a) 3 x 6 = 1 8. Put 8 at R8C5.
R3					+2	+3		Carry 1 to R2C5.
R4					7	4	6	b) 3 x 4 = 12. Add carried 1 to 12 = 13.
R5				X	9	3	5	Put 3 at R8C4. Carry 1 to R2C4. c) 3 x 7 = 21. Add carried 1 to 21 = 22.
R6								Put 2 at R8C3 and put 2 at R8C2.
R7				3 2	7	3	0	d) Answer to 746 x 3 = 2238 goes in R8.
R8			2	2	3	8		
R9	+							
R10								

	Column	C1	C2	C3	C4	C5	C6	
Row								
R1					+4	+5		<u>STEP 3</u> : Multiply 746 x 9.
R2					+1	+1		a) 9 x 6 = 5 4. Put 4 at R9C4.
R3					+2	+3		Carry 5 to R1C5.
R4					7	4	6	b) 9 x 4 = 36. Add carried 5 to 36 = 41. Put 1 at R9C3. Carry 4 to R1C4.
R5				X	9	3	5	c) 9 x 7 = 63. Add carried 4 to 63 = 67.
R6								Put 7 at R9C2 and put 6 at R9C1.
R7				3	7	3	0	d) Answer to 746 x 9 = 6714 goes in R9.
R8			2	2	3	8		
R9	+	6	7	1	4			
R10								

