

Division Walkthrough - Four Steps Shown

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Divide 4-Digit Number by 1-Digit Number

Column	C1	C2	C3	C4
Row				
R1				
R2	4	8	3	2
R3				
R4				
...				

4 STEP PROCESS

STEP 1: Divide
STEP 2: Multiply
STEP 3: Subtract
STEP 4: Bring down next number

Follow steps with color-matching.

Column	C1	C2	C3	C4
Row				
R1		2		
R2	4	8	3	2
R3				
R4				
...				

STEP 1: Divide

a) How many times does 4 divide into 8?
b) Answer is exactly 2 times.
c) Put 2 in Quotient at R1C1.

Column	C1	C2	C3	C4
Row				
R1		2		
R2	4	8	3	2
R3		8		
R4				
...				

STEP 2: Multiply

a) 2 times 4 is 8.
b) Put 8 at R3C1.

	Column	C1	C2	C3	C4	
Row						
R1			2			
R2	4	8	3	2	0	
R3	-	8				
R4						
...						

STEP 3: Subtract

- a) 8 minus 8 is 0.
- b) Instead of writing 0, leave a blank at R4C1.

	Column	C1	C2	C3	C4	
Row						
R1			2			
R2	4	8	3	2	0	
R3	-	8	↓			
R4			3			
...						

STEP 4: Bring down next number

- a) Bring down next digit to the right, which is the number 3.
- b) Put 3 at R4C2.

	Column	C1	C2	C3	C4	
Row						
R1		2	0	8	0	R 0
R2	4	8	3	2	0	
R3	-	8		↓	↓	
R4			3	2		
R5	-		3	2	↓	
R6					0	
R7	-				0	
R8					0	

REPEAT 4 STEPS

- STEP 1: Divide
- STEP 2: Multiply
- STEP 3: Subtract
- STEP 4: Bring down next number

Keep repeating the 4 steps until there are no more numbers to bring down.

The answer listed in Row 1 is 2080 with **no remainder**, written as **2080 R0**.