Division Walkthrough - All Steps Shown

Last Updated: 12/11/16



Divide 4-Digit Number by 1-Digit Number









REPEAT 4 STEPS FOR THE NUMBER 3 AT R4C2







	Colum	n C1	C2	C3	C4	
Row						
R1		2	0			STEP 4: Bring down next number
R2	4	8	3	2	0	which is the number 2.
R3		8				b) Put 2 at R6C3.
R4			3			
R5			0			
R6			3	2		
•••						

REPEAT 4 STEPS FOR THE NUMBER 32 AT R6,C2-C3

-	С	olumn	C1	C2	C3	C4	
Row							
R1			2	0	8		STEP 1: Divide
R2		4	8	3	2	0	into 32?
R3		_	8				c) Put 8 in Quotient at R1C3.
R4				3			
R5		_		0			
R6				3	2		

-	 Co	lumn	C1	C2	C3	C4	
Row							
R1			2	0	8		STEP 2: Multiply a) 8 times 4 is 32
R2		4	8	3	2	0	b) Put 32 at R7,C2-C3.
R3			8				
R4				3			
R5				0			
R6				3	2		
R7				3	2		

	Column	C1	C2	C3	C4		
Row							
R1		2	0	8		<u>STEP 3</u> : Subtract a) 32 minus 32 is 0	
R2	4	8	3	2	0	b) Instead of writing 0, leave a blank	
R3	_	8				at R8,02-03.	
R4			3				
R5	_		0				
R6			3	2			
R7	_		3	2			
R8							

	Columr	i C1	C2	C3	C4	
Row						
R1		2	0	8		STEP 4: Bring down next number a) Bring down next digit to the right
R2	4	8	3	2	0	which is the number 0.
R3	_	8				b) Put 0 at R8C4.
R4			3			
R5	_		0			
R6			3	2		
R7	_		3	2		
R8					Ò	

REPEAT 4 STEPS FOR THE NUMBER 0 AT R8C4

	Col	lumn	C1	C2	C3	C4											
Row																	
R1			2	0	8	0		STEP 1: Divide a) How many times does 4 divide									
R2		4	8	3	2	0		into 0?									
R3			8				 b) Answer is 0 times. Any number that divides into 0 results in 0. 										
R4				3					c) P	ut 0 ir	n Quo	tient a	at R10	C4.			
R5				0													
R6				3	2												
R7				3	2												
R8						0											

	Colum	n	C1	C2	C3	C4		1	1				1		1		
Row																	
R1			2	0	8	0			STE	<u>P 2</u> : N	lultip	ly D					
R2	4	-	8	3	2	0			b) Put 0 at R9C4.								
R3		-	8														
R4				3													
R5		-		0													
R6				3	2												
R7	_	-		3	2												
R 8						0											
R9						0											

_	Column	C1	C2	C3	C4		
Row							
R 1		2	0	8	0	STEP 3: Subtract	
R2	4	8	3	2	0	b) Put 0 at R10C4.	
R3		8					
R4			3				
R5	_		0				
R6			3	2		STEP 4: Bring down next number	
R7			3	2		down.	
R8					0	b) The remainder is 0 listed in R10C4. c) The problem is done.	
R9					0		
R10					0		

Row																				
R1		2	0	8	0	R	0	The final answer is the Quo Remainder, listed in Row 1							ient with Answer is					
	4	8	3	2	0				written as 2080 R0.											