

**Answer on Question #48474 – Math - Algebra**

What is the remainder when 95674321 is divided by 9?

**Solution:**

We can use method of long division to find the remainder:

$$95674321 \div 9$$

	1	0	6	3	0	4	8	0
9	9	5	6	7	4	3	2	1
	9							
	0	5						
		0						
		5	6					
		5	4					
			2	7				
			2	7				
				0	4			
				0				
				4	3			
				3	6			
					7	2		
					7	2		
						0	1	
						0		
							1	

$$95674321 = 10\,630\,480 \cdot 9 + 1$$

Thus, the remainder is 1.

**Answer: 1**