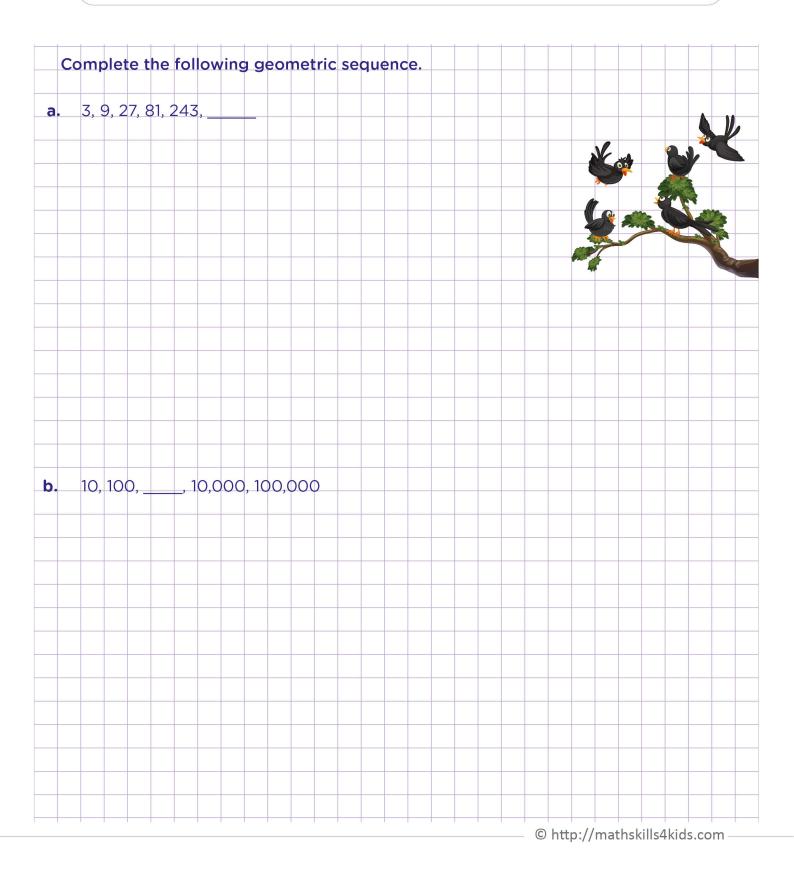


Name	Class:	

Complete a geometric number sequence







Name	Class	
IName:	Cluss	

Complete a geometric number sequence

э.	3, 9, 27, 81, 2	43,					
	Find the common ratio of all the terms						
	First term = 3						
	Common ratio	$(r) = t_2/t_1$					
	t2/t1	t ₃ /t ₂	t4/t3	ts/t4			
	$\frac{9}{3} = \frac{3 \times 3}{1 \times 3}$	$\frac{27}{9} = \frac{3 \times 9}{1 \times 9}$	$\frac{81}{27} = \frac{3 \times 27}{1 \times 27}$	243_ <u>3×81</u>			
	3 1x3	9 Ix9	27 x27	81 1x81			
	= 3	= 3	= 3	= 3			
	Since the comn	non ratio of all the	e terms is 3, it sho	vs that each number is 3 tim	es the previouse numb		
	So, multiply 24	3 by 3 to find the	missing number				
	243 x 3 = 729						
		Therefore, the mis	sing term is 729				
	10, 100,, 10,000, 100,000						
	Find the common ratio of all the terms						
	First term = 10						
	Common ratio	$(r) = t_2/t_1$					
	t2/t1	t_3/t_2	t4/t3	t ₅ /t ₄			
	L2/ L1	?	10,000	100,000 _ 10×10,000			
	100 10×10		10,000	$\frac{100,000}{10,000} = \frac{100,000}{10,000}$			
	$\frac{100}{10} = \frac{10 \times 10}{1 \times 10}$	100	r -				
	10 1×10	100	- 2				
	10 ⁻ 1×10 = 10	100	= ?	= 10	mos the providuse num		
	10 1×10 = 10 Since the comn	100 = ? non ratio of all the	e terms is 10, it sh		mes the previouse num		
	10 1x10 = 10 Since the comn So, multiply 100	100 = ? non ratio of all the D by 10 to find the	e terms is 10, it sh	= 10	mes the previouse num		
	10 1×10 = 10 Since the comn	100 = ? non ratio of all the D by 10 to find the	e terms is 10, it sh	= 10	mes the previouse num		
	10 1×10 = 10 Since the comm So, multiply 100 100 x 10 = 1,000	100 = ? non ratio of all the D by 10 to find the	e terms is 10, it sh missing number	= 10	mes the previouse num		