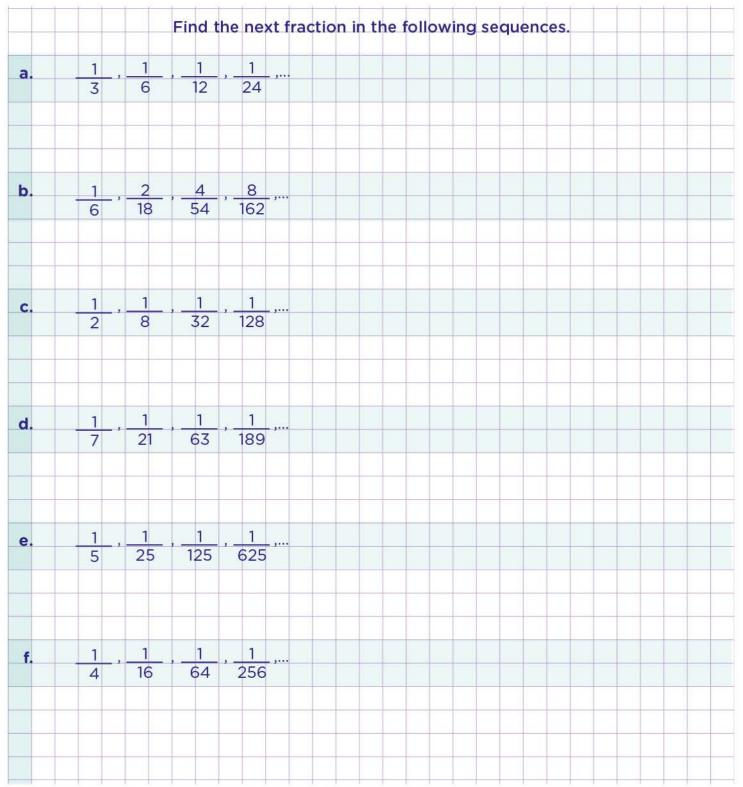


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Geometric sequences with fractions





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			(Geometri	c sequ	uences w	vith fractions	
	7 2 5		77 19	V 10 V				ų.
			Find th	e next fra	action	in the fo	llowing sequences.	
a.	1,	1 6	1 ,	1 ,				
	1000				bo rule	To find	the rule, divide the second fraction	by
							he third by the second fraction.	Dy
	6	<u>. 1</u>		<u>1</u> x	3	= 1		1
	1	1		1	6	1	So, the general rule is multiply by -	2
	12	6		12 ×	1	= 2 -		
	There	efore th	ne next	fraction	is 1 24	$-\times\frac{1}{2}$	1 48	
b.	1 6	2 18	<u>4</u> ,	8 ,				
	100		·	88			the rule, divide the second fraction he third by the second fraction.	by
	2 18	<u> </u>		<u>2</u> x	6	= 2		
	4	. 2		4	18	700	So, the general rule is multiply by –	<u>2</u> .
	54	18		54 X				
	There	efore th	ne next	fraction	is 8 162	x 2	16 486	
c.	1 ,	1 8	1 32	1 ,				
	Here	, the g	eneral r	rule is mu	ıltiply I	oy_1		
					1	4 , 1	1	
	There	efore, t	he next	fraction	is 128		512	