

modius	Choose the first values that this equation would create starting with n=1	$a_n=2\times 3^{n-1}$	
Math worksheet on 'Patterning - First Values from Equation for Geometric Pattern (Level 1)'. Part of a	a 2, 4, 8, 16, 32, 64	b 2, 6, 18, 54, 162, 486	
broader unit on 'Patterns and Sums - Practice'	2, 2, 2, 2, 2	d 2, -1, -4, -7, -10, -13	
Learn online: app.mobius.academy/math/units/patterns and sums practice/	e -2, -6, -18, -54, -162, -486	f 2, 8, 32, 128, 512, 2,048	

this e	se the first values that equation would create starting with n=1	a_n	$= 1 \times 4^{n-1}$
а	1, 4, 16, 64	b	1, -3, -7, -11
C	1, 5, 6, 11	d	-3, -12, -48, -192
е	1, 5, 9, 13	f	1, 2, 4, 8

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this e	se the first values that quation would create starting with n=1	a_n	$= 2 \times 4^{n-1}$
а	2, 0, 0, 0	b	-2, -8, -32, -128
C	2, -2, -6, -10	d	2, 8, 32, 128
е	2, 6, 10, 14	f	2, 6, 18, 54

Choose the first values that this equation would create starting with n=1	$a_n = 2 imes 2^{n-1}$
a 2, 4, 6, 8, 10, 12	b 2, 2, 2, 2, 2
c 6, 12, 24, 48, 96, 192	d 2, 0, -2, -4, -6, -8
e 2, 4, 8, 16, 32, 64	f 2, 10, 50, 250, 1,250, 6,250

$a_n = 3 imes 2^{n-1}$
b 6, 12, 24, 48, 96, 192
d 3, 0, 0, 0, 0, 0
f 3, 5, 7, 9, 11, 13

	ose the first values that equation would create starting with n=1	a_n	$=3\times 5^{n-1}$
a	6, 30, 150, 750	b	3, 15, 75, 375
С	3, 8, 13, 18	d	1, 5, 25, 125
е	3, -2, -7, -12	f	3, 3, 3, 3

Choose the first values that this equation would create starting with n=1	$a_n = extstyle 3 imes extstyle 3^{n-1}$
a 3, 18, 108, 648, 3,888, 23,328	b 3, 12, 48, 192, 768, 3,072
c 3, 6, 9, 12, 15, 18	d 3, 0, -3, -6, -9, -12
e 3, 9, 27, 81, 243, 729	f 3, 0, 0, 0, 0, 0