

mobius	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, -1, -4, -7, -10, -13	b 2, 2, 2, 2, 2
broader unit on 'Patterns and Sums - Intro'	c 2, 6, 18, 54, 162, 486	d -2, -6, -18, -54, -162, -486
Learn online: app.mobius.academy/math/units/patterns and sums intro/	e 2, 4, 8, 16, 32, 64	f 2, 8, 32, 128, 512, 2,048

	pose the first values that s equation would create starting with n=1	a_n	$= 1 \times 2^{n-1}$
а	1, 6, 36, 216, 1,296, 7,776	b	1, -2, 4, -8, 16, -32
C	1, -1, -3, -5, -7, -9	d	1, 2, 4, 8, 16, 32
е	0, 0, 0, 0, 0, 0	f	1, 3, 5, 7, 9, 11

this e	se the first values that quation would create starting with n=1	a_n	$= 1 imes 5^{n-1}$
а	1, 6, 11, 16	b	1, -4, -9, -14
C	1, 6, 7, 13	d	-2, -10, -50, -250
е	1, 6, 36, 216	f	1, 5, 25, 125

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

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	pose the first values that s equation would create starting with n=1	$a_n = 3 \times 2^{n-1}$
а	3, 6, 12, 24, 48, 96	b 3, 1, -1, -3, -5, -7
С	3, 5, 7, 9, 11, 13	d 6, 12, 24, 48, 96, 192
е	3, 0, 0, 0, 0, 0	f 3, 5, 8, 13, 21, 34

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

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• • • • • • • • • • • • • • • • • • • •	ose the first values that equation would create starting with n=1	a_n	$= 3 \times 4^{n-1}$
а	7, 28, 112, 448	b	3, 12, 48, 192
C	3, 6, 12, 24	d	3, -1, -5, -9
е	4, 16, 64, 256	f	3, 7, 10, 17