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Math worksheet on *'Patterning - First Values from Equation for Increasing Arithmetic Pattern (Level 1)'*. Part of a broader unit on *'Patterns and Sums - Practice'*

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1 Choose the first values that this equation would create starting with n=1

$$a_n = 3 + 5(n - 1)$$

a	5, 10, 15, 20	b	3, 8, 13, 18
c	3, -2, -7, -12	d	3, 7, 11, 15
e	1, 6, 11, 16	f	2, 7, 12, 17

2 Choose the first values that this equation would create starting with n=1

$$a_n = 2 + 2(n - 1)$$

a	2, 0, -2, -4	b	0, 2, 4, 6
c	2, 4, 6, 8	d	4, 6, 8, 10
e	2, 7, 12, 17	f	2, 4, 8, 16

3 Choose the first values that this equation would create starting with n=1

$$a_n = 1 + 2(n - 1)$$

a	1, -1, -3, -5, -7	b	-2, 0, 2, 4, 6
c	4, 6, 8, 10, 12	d	1, 3, 4, 7, 11
e	1, 3, 5, 7, 9	f	2, 4, 6, 8, 10

4 Choose the first values that this equation would create starting with n=1

$$a_n = 1 + 6(n - 1)$$

a	1, 9, 17, 25	b	1, 6, 36, 216
c	1, 7, 13, 19	d	1, -5, -11, -17
e	-2, 4, 10, 16	f	3, 9, 15, 21

5 Choose the first values that this equation would create starting with n=1

$$a_n = 2 + 5(n - 1)$$

a	2, 7, 12, 17, 22	b	2, 8, 14, 20, 26
c	3, 8, 13, 18, 23	d	2, -3, -8, -13, -18
e	-1, 4, 9, 14, 19	f	2, 5, 8, 11, 14

6 Choose the first values that this equation would create starting with n=1

$$a_n = 2 + 4(n - 1)$$

a	2, 9, 16, 23	b	2, 8, 32, 128
c	2, 6, 10, 14	d	2, 6, 8, 14
e	4, 8, 12, 16	f	3, 7, 11, 15

7 Choose the first values that this equation would create starting with n=1

$$a_n = 2 + 3(n - 1)$$

a	2, 7, 12, 17	b	4, 7, 10, 13
c	2, 5, 7, 12	d	2, 5, 8, 11
e	3, 6, 9, 12	f	2, 2, 2, 2