

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

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

$$|a_n = 11 - 2(n-1)|$$

a	11, 22, 44, 88	b	11, 13, 15, 17
C	11, 13, 24, 37	d	11, 12, 13, 14
е	11, 9, 7, 5	f	11, 7, 3, -1

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

$$a_n = 33 - 6(n-1)$$

а	33, 198, 1,188, 7,128,	b	33, 27, 21, 15, 9
C	33, 39, 45, 51, 57	d	33, 29, 25, 21, 17
е	33, 39, 72, 111, 183	f	29, 23, 17, 11, 5

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

$$a_n = 15 - 3(n-1)$$

а	15, 16, 17, 18	b	15, 10, 5, 0
C	13, 10, 7, 4	d	15, 18, 33, 51
е	15, 12, 9, 6	f	15, 18, 21, 24

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

$$a_n=31-6(n-1)$$

a	35, 29, 23, 17, 11	b	31, 28, 25, 22, 19
C	31, 186, 1,116, 6,696,	d	31, 37, 43, 49, 55
е	31, 25, 19, 13, 7	f	29, 23, 17, 11, 5

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

$$a_n = 26 - 5(n - 1)$$

a	26, 18, 10, 2, -6	b	26, 130, 650, 3,250,
C	24, 19, 14, 9, 4	d	27, 22, 17, 12, 7
е	26, 21, 16, 11, 6	f	22, 17, 12, 7, 2

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

$$a_n = 17 - 3(n - 1)$$

a	17, 20, 23, 26, 29	b 17, 51, 153, 459, 1,377
C	17, 20, 37, 57, 94	d 17, 15, 13, 11, 9
е	17, 14, 11, 8, 5	f 17, 13, 9, 5, 1

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

$$|a_n = 15 - 3(n-1)|a_n = 17 - 4(n-1)$$

а	17, 21, 38, 59	b	17, 17, 17, 17
C	17, 21, 25, 29	d	19, 15, 11, 7
е	17, 68, 272, 1,088	f	17, 13, 9, 5