



Math worksheet on 'Patterning - Term Value from Equation for Decreasing Arithmetic Pattern (Level 3)'. Part of a broader unit on 'Patterns and Sums - Advanced'

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2 Find the term for n=17 given this pattern equation

$$a_n = 78 - 5(n - 1)$$

a	b	c	d	e	f
158	-6	-4	-50	0	-2

4 Find the term for n=18 given this pattern equation

$$a_n = 46 - 3(n - 1)$$

a	-8	b	5,940,447,498
c	-56	d	-5
e	-4	f	97

6 Find the term for n=9 given this pattern equation

$$a_n = 43 - 3(n - 1)$$

a	-13	b	21
c	17	d	282,123
e	67	f	19

1 Find the term for n=10 given this pattern equation

$$a_n = 72 - 5(n - 1)$$

a	30	b	26
c	117	d	140,625,000
e	27	f	23

3 Find the term for n=15 given this pattern equation

$$a_n = 71 - 5(n - 1)$$

a	-3	b	1
c	29	d	141
e	-27	f	433,349,609,375

5 Find the term for n=17 given this pattern equation

$$a_n = 57 - 4(n - 1)$$

a	121	b	-7
c	-11	d	244,813,135,872
e	-8	f	9

7 Find the term for n=11 given this pattern equation

$$a_n = 44 - 3(n - 1)$$

a	-16	b	9
c	2,598,156	d	12
e	14	f	74