



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

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1

Find the term for $n=15$ given this pattern rule (first term is $n=1$)

Start at 1 and add 5 for each term

a	-69	b	6,103,515,625
c	71	d	67
e	70	f	57

2

Find the term for $n=13$ given this pattern rule (first term is $n=1$)

Start at 2 and add 4 for each term

a	50	b	46
c	49	d	86
e	-46	f	54

3

Find the term for $n=19$ given this pattern rule (first term is $n=1$)

Start at 1 and add 6 for each term

a	73	b	111
c	104	d	107
e	110	f	109

4

Find the term for $n=17$ given this pattern rule (first term is $n=1$)

Start at 3 and add 2 for each term

a	35	b	99
c	32	d	34
e	51	f	-29

5

Find the term for $n=17$ given this pattern rule (first term is $n=1$)

Start at 3 and add 5 for each term

a	131	b	80
c	83	d	457,763,671,875
e	87	f	-77

6

Find the term for $n=17$ given this pattern rule (first term is $n=1$)

Start at 3 and add 4 for each term

a	35	b	62
c	12,884,901,888	d	-61
e	67	f	131

7

Find the term for $n=17$ given this pattern rule (first term is $n=1$)

Start at 2 and add 5 for each term

a	80	b	-78
c	82	d	79
e	81	f	98