



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

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1

Find the term for $n=11$ given this pattern rule (first term is $n=1$)

Start at 71 and subtract 5 for each term

a	-19	b	17
c	693,359,375	d	20
e	23	f	21

2

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

Start at 31 and subtract 2 for each term

a	-1	b	3
c	-39	d	5
e	507,904	f	59

3

Find the term for $n=18$ given this pattern rule (first term is $n=1$)

Start at 43 and subtract 3 for each term

a	-59	b	94
c	-8	d	-5
e	-4	f	5,553,027,009

4

Find the term for $n=18$ given this pattern rule (first term is $n=1$)

Start at 77 and subtract 5 for each term

a	9
b	-8
c	-12
d	-11
e	162
f	58,746,337,890,625

5

Find the term for $n=14$ given this pattern rule (first term is $n=1$)

Start at 73 and subtract 5 for each term

a	138	b	8
c	9	d	7
e	89,111,328,125	f	-5

6

Find the term for $n=10$ given this pattern rule (first term is $n=1$)

Start at 93 and subtract 6 for each term

a	39	b	44
c	35	d	3
e	937,225,728	f	41

7

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

Start at 91 and subtract 6 for each term

a	3	b	175
c	11	d	7
e	9	f	10