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Math worksheet on *'Patterning - Term Value from Rule for Decreasing Arithmetic Pattern (Level 2)'*. Part of a broader unit on *'Patterns and Sums - Advanced'*

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1

Find the term for n=12 given this pattern rule (first term is n=1)

Start at 61 and subtract 4 for each term

a	105	**b**	22
c	-5	**d**	255,852,544
e	14	**f**	17

2

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

Start at 45 and subtract 3 for each term

a	9	**b**	81
c	12	**d**	13
e	23,914,845	**f**	14

3

Find the term for n=12 given this pattern rule (first term is n=1)

Start at 58 and subtract 4 for each term

a	15	**b**	10
c	14	**d**	13
e	243,269,632	**f**	102

4

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

Start at 32 and subtract 2 for each term

a	262,144	**b**	1
c	6	**d**	58
e	10	**f**	-46

5

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

Start at 62 and subtract 4 for each term

a	24	**b**	21
c	22	**d**	12
e	65,011,712	**f**	20

6

Find the term for n=9 given this pattern rule (first term is n=1)

Start at 92 and subtract 6 for each term

a	154,524,672	**b**	28
c	39	**d**	44
e	140	**f**	47

7

Find the term for n=12 given this pattern rule (first term is n=1)

Start at 91 and subtract 6 for each term

a	30	**b**	157
c	25	**d**	21
e	29	**f**	33,014,532,096