



Math worksheet on 'Patterning - Term Value for Increasing Arithmetic Pattern (Level 4)'. Part of a broader unit on 'Patterns and Sums - Advanced'

Learn online: app.mobius.academy/math/units/patterns_and_sums_advanced/

1 Find the term for $n=216$ in this increasing pattern (first term is $n=1$)

3, 6, 9, 12, 15

a	b	c	d	e	f
-642	645	648	1,293	644	650

2 Find the term for $n=210$ in this increasing pattern (first term is $n=1$)

2, 5, 8, 11

a	b	c
625	-625	626
d	e	f
633	629	2

3 Find the term for $n=218$ in this increasing pattern (first term is $n=1$)

3, 8, 13, 18

a	1,084	b	-1,082
c	1,088	d	1,092
e	1,085	f	1,087

4 Find the term for $n=218$ in this increasing pattern (first term is $n=1$)

2, 4, 6, 8, 10

a	b	c	d	e	f
431	440	1,304	-432	436	441

5 Find the term for $n=214$ in this increasing pattern (first term is $n=1$)

3, 9, 15, 21

a	1,280	b	1,281
c	-1,275	d	1,707
e	1,284	f	1,276

6 Find the term for $n=213$ in this increasing pattern (first term is $n=1$)

2, 8, 14, 20, 26

a	1,278	b	1,274
c	1,275	d	1,276
e	-1,270	f	1,277

7 Find the term for $n=215$ in this increasing pattern (first term is $n=1$)

1, 4, 7, 10, 13

a	b	c	d	e	f
-641	640	643	641	645	647