



Crack the Code



Arithmetic Sequences

A	Find the next term in the sequence 2, 6, 10, 14, ...	18	B	Find the next term in the sequence 4.5, 6, 7.5, 9, 10.5, ...	12
C	Find the next term in the sequence 3, 8, 13, 18, ...	23	D	Find the next term in the sequence 10, 7, 4, 1, ...	-2
E	What are the first three terms of the sequence with first term 8 and term-to-term rule "add 3"?	8 11 14	F	What are the first three terms of the sequence with first term 5 and term-to-term rule "subtract 2"?	5 3 1
G	Find the 10 th term of the sequence with nth term $3n - 7$.	23	H	Find the 15 th term of the sequence with nth term $2n + 11$.	41
I	Find the 4 th term of the sequence with nth term $20 - 3n$.	8	J	Find the 3 rd term of the sequence with nth term $-7n - 4$.	-25
K	Find the nth term for this sequence: 1, 4, 7, 10, ...	$3n - 2$ (3, -2)	L	Find the nth term for this sequence: -7, -9, -11, -13, ...	$-2n - 5$ (-2, -5)
M	Find the nth term for this sequence: 0, 3, 6, 9, ...	$3n - 3$ (3, -3)	N	Find the nth term for this sequence: 21, 24, 27, 30, ...	$3n + 18$ (3, 18)
O	Find the nth term for this sequence: 1, 9, 17, 25, ...	$8n - 7$ (8, -7)	P	Find the nth term for this sequence: 5, 12, 19, 26, ...	$7n - 2$ (7, -2)
Q	Find the nth term for this sequence: 6, 4, 2, 0, ...	$-2n + 8$ (-2, 8)	R	Find the nth term for this sequence: 13, 7, 1, -5, ...	$-6n + 19$ (-6, 19)
S	Find the nth term for this sequence: 16, 13, 10, 7, ...	$-3n + 19$ (-3, 19)	T	Find the nth term for this sequence: 1, 1.5, 2, 2.5, ...	$0.5n + 0.5$ (0.5, 0.5)

Add together all your answers to get the three-digit code.

(For $4n - 1$, add +4 and -1) **197**