



Decode the Maths Joke



Nth Term of a Linear Sequence

Find the nth term for each of the letters of the alphabet.

A	2, 4, 6, 8, ...	$2n$
B	3, 5, 7, 9, ...	$2n + 1$
C	2, 5, 8, 11, ...	$3n - 1$
D	6, 11, 16, 21, ...	$5n + 1$
E	3, 6, 9, 12, ...	$3n$
F	2, 6, 10, 14, ...	$4n - 2$
G	9, 11, 13, 15, ...	$2n + 7$
H	-2, 1, 4, 7, ...	$3n - 5$
I	9, 16, 23, 30, ...	$7n + 2$
J	8, 16, 24, 32, ...	$8n$
K	-2, -4, -6, -8, ...	$-2n$
L	-2, -1, 0, 1, ...	$n - 3$
M	-3, -1, 1, 3, ...	$2n - 5$

N	-3, -6, -9, -12, ...	$-3n$
O	9, 8, 7, 6, ...	$10 - n$
P	10, 8, 6, 4, ...	$12 - 2n$
Q	-4, -8, -12, -16, ...	$-4n$
R	17, 14, 11, 8, ...	$20 - 3n$
S	-6, -3, 0, 3, ...	$3n - 9$
T	-1, -2, -3, -4, ...	$-n$
U	0.5, 1, 1.5, 2, ...	$0.5n$
V	-3, -4, -5, -6, ...	$-n - 2$
W	2.5, 4, 5.5, 7, ...	$1.5n + 1$
X	2.5, 2, 1.5, 1, ...	$3 - 0.5n$
Y	0.5, -1, -2.5, -4, ...	$2 - 1.5n$
Z	2, 3.5, 5, 6.5, ...	$1.5n + 0.5$

Now decode the joke....

$1.5n + 1$	$3n - 5$	$2n$	$-n$		$7n + 2$	$3n - 9$		$2n$		$2n + 1$
W	H	A	T		I	S		A		B

$7n + 2$	$20 - 3n$	$5n + 1$	'	$3n - 9$		$4n - 2$	$2n$	$-n - 2$	$10 - n$
I	R	D	'	S		F	A	V	O

$0.5n$	$20 - 3n$	$7n + 2$	$-n$	$3n$		$-n$	$2 - 1.5n$	$12 - 2n$	$3n$
U	R	I	T	E		T	Y	P	E

$10 - n$	$4n - 2$		$2n - 5$	$2n$	$-n$	$3n - 5$	$3n - 9$?
O	F		M	A	T	H	S	?

$10 - n$	$1.5n + 1$	$n - 3$	-	$2n + 7$	$3n$	$2n + 1$	$20 - 3n$	$2n$!
O	W	L	-	G	E	B	R	A	!