

# Fill in the Blanks

# Ascending Linear Sequences

First Four Terms	Multiplication Table		Shift	nth Term
4, 7, 10, 13, ..	$\times 3$	3, 6, 9, 12, ...	+1	$3n + 1$
7, 11, 15, 19, ..	$\times 4$	4, 8, 12, 16, ..	+3	$4n + 3$
5, 7, 9, 11, ..	$\times 2$	2, 4, 6, 8, ..	+3	$2n + 3$
7, 10, 13, 16, ..	$\times 3$	3, 6, 9, 12, ...	+4	$3n + 4$
6, 7, 8, 9, ..	$\times 1$	1, 2, 3, 4, ..	+5	$n + 5$
6, 11, 16, 21, ..	$\times 5$	5, 10, 15, 20, ..	+1	$5n + 1$
4, 6, 8, 10, ..	$\times 2$	2, 4, 6, 8, ..	+2	$2n + 2$
5, 9, 13, 17, ..	$\times 4$	4, 8, 12, 16, ..	+1	$4n + 1$
1, 4, 7, 10, ..	$\times 3$	3, 6, 9, 12, ...	-2	$3n - 2$
4, 10, 16, 22, ..	$\times 6$	6, 12, 18, 24, ..	-2	$6n - 2$
1, 3, 5, 7, ..	$\times 2$	2, 4, 6, 8, ..	-1	$2n - 1$
2, 7, 12, 17, ...	$\times 5$	5, 10, 15, 20, ..	-3	$5n - 3$
7, 14, 21, 28, ..	$\times 7$	7, 14, 21, 28, ..	none	$7n$
3, 7, 11, 15, ...	$\times 4$	4, 8, 12, 16, ...	-1	$4n - 1$
0, 3, 6, 9, ..	$\times 3$	3, 6, 9, 12, ..	-3	$3n - 3$
-1, 0, 1, 2	$\times 1$	1, 2, 3, 4, ..	-2	$n - 2$
-5, -2, 1, 4, ..	$\times 3$	3, 6, 9, 12, ..	-8	$3n - 8$
2.2, 2.4, 2.6, 2.8, ..	$\times 0.2$	0.2, 0.4, 0.6, 0.8, ..	+2	$0.2n + 2$