

# Fill in the Blanks

# Linear Sequences

First Five Terms	Term-to-Term Rule	10 <sup>th</sup> Term	30 <sup>th</sup> Term	nth Term	Sum of the First 5 Terms
3, 5, 7, 9, 11	<i>add 2</i>	21	61	$2n + 1$	35
7, 10, 13, 16, 19	<i>add 3</i>	34	94	$3n + 4$	65
-1, 5, 11, 17, 23	<i>add 6</i>	53	173	$6n - 7$	55
8, 13, 18, 23, 28	<i>add 5</i>	53	153	$5n + 3$	90
40, 36, 32, 28, 24	<i>subtract 4</i>	4	-76	$44 - 4n$	160
25, 22, 19, 16, 13	<i>subtract 3</i>	-2	-62	$28 - 3n$	95
11, 9, 7, 5, 3	<i>subtract 2</i>	-7	-47	$13 - 2n$	35
15, 19, 23, 27, 31	<i>add 4</i>	51	131	$4n + 11$	115
8, 11, 14, 17, 20	<i>add 3</i>	35	95	$3n + 5$	70
64, 62, 60, 58, 56	<i>subtract 2</i>	46	6	$66 - 2n$	300
5, 6, 7, 8, 9	<i>add 1</i>	14	34	$n + 4$	35