Increasing Pattern #3

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Fig #	What I See Happening	total tiles
3	4 rows of 3 and 1 on top	$13 = 4 \cdot 3 + 1$
6	7 rows of 3 and 1 on top	$22 = 7 \cdot 3 + 1$ (21 + 1)
1	2 rows of 3 and 1 on top	$7 = 2 \cdot 3 + 1$
4	5 rows of 3 and 1 on top	$16 = 5 \cdot 3 + 1$
2	3 rows of 3 and 1 on top	$10 = 3 \cdot 3 + 1$
5	6 rows of 3 and 1 on top	$19 = 6 \cdot 3 + 1$
100	101 rows of 3 and 1 on top	$304 = 101 \cdot 3 + 1$
1000	1001 rows of 3 and 1 on top	$3004 = 1001 \cdot 3 + 1$
any n	(fig # +1) rows of 3 and 1 on top	$(n+1) \cdot 3 + 1$ $(\text{fig \#} + 1) \cdot 3 + 1$

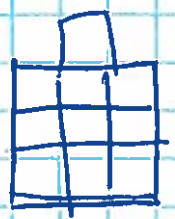

Fig 2

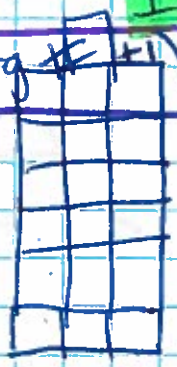

fig 5

→ (fig # +1) rows of 3 and 1 on top