



1 day old caterpillar

2 day old caterpillar

3 day old caterpillar

1 day old caterpillar

2 day old caterpillar

3 day old caterpillar

Build a 4 and 5 day old caterpillar

days old	▲	■	total
1	4	1	5
2	8	1	9
3	12	1	13
4	16	1	17
5	20	1	21
10	40	1	41
N	$4n$	1	$(4n)+1$

Handwritten notes: 3 sets of 4, $3 \times 4 = 4 \cdot 3$, $n(4) = 4 \cdot n$. n sets of 4 triangles (one for each day). $4n$ in $4n$, $4n+1$ in $n(4)+1$.

Blue rhombus pattern block trains

Num. of cars	Perimeter
1	4
2	6
3	8
4	10
5	12
10	22
n	$2n+2$

Handwritten notes: 2 sides for sure from every rhombus, n sets of 2 = 2n, an extra 2 from first & last car: $2n+2$.

Trapezoid pattern block trains

Num. of cars	Perimeter
1	5
2	8
3	
4	
5	
10	
n	

Handwritten notes: units for sure from every trapezoid, so n sets of _____