

Question	Answer	Marks	AO	Guidance	
9	$\frac{(n+1)(n+2)}{2}$ seen	M1	2.1	or $\frac{(n-1)n}{2}$	Award for square expression achieved www
	$\frac{n(n+1)}{2} + \frac{(n+1)(n+2)}{2}$	M1	1.1	$\frac{(n-1)n}{2} + \frac{n(n+1)}{2}$	
	$\frac{(n+1)}{2} \times (n + n + 2) = 2 \times \frac{(n+1)^2}{2} = (n + 1)^2$ Which is a perfect square.	A1	2.2a	$\frac{n}{2} \times (n - 1 + n + 1) = \frac{n}{2} \times 2n = n^2$	
		[3]			