

Q	Marking instructions	AO	Marks	Typical solution
6	Substitutes $n = 250$ in $\frac{n}{2}$ and $(n-1)$ and at least one of $a = 3$ or $d = -0.5$ into $\frac{n}{2}(2a + (n-1)d)$ Or into $a + (n-1)d$ and $\frac{n}{2}(a + l)$ note the correct value of $l = -121.5$ Or into $\sum_{1}^{250} a + (n-1)d$ Condone poor bracketing	1.1a	M1	$S_{250} = \frac{250}{2}(2 \times 3 + (250-1) \times -0.5)$ $= -14812.5$
	Obtains -14812.5 or $-\frac{29625}{2}$	1.1b	A1	
Question 6 Total			2	