

Question	Answer	Marks	Guidance
	$a + 12d = 12$	<b>B1</b>	For correct equation.
	$\frac{30}{2}(2a + (30 - 1)d) = -15$	<b>B1</b>	For correct equation in $a$ and $d$ . If using $\frac{n}{2}(a + l)$ , must replace $l$ with an expression involving $a$ and $d$ .
	$a = 72, d = -5$	<b>B1</b>	Both values correct SOI.
	$S_{50} = \frac{50}{2}(2(\text{their } a) + 49(\text{their } d))$	<b>M1</b>	Using sum formula with <i>their</i> $a$ and $d$ values obtained via a valid method.
	$S_{50} = -2525$	<b>A1</b>	
		<b>5</b>	