19	$\frac{30}{2}\left[2a+(30-1)d\right]=4395$ or $30a + 435d = 4395$ or $2a+29d=293$		5	M1 for using $S_n=\frac{n}{2}\left[2a+(n-1)d\right]$
	$a+(10-1)d+a+(20-1)d=284$ or $a+9d+a+19d=284$ or $2a+28d=284$ or $a+14d=142$			M1 for using $U_n=a+(n-1)d$ correctly to form an equation
	eg $2a+29d=293$ – $2a+28d=284$ ($d = 9$)	eg $28a+406d=4102$ – $29a+406d=4118$ ((–) a = (–) 16)		M1 dep on M2 for a correct method to eliminate a or d: coefficients of a or d the same **and** correct operator to eliminate selected variable (condone any one arithmetic error) **or** writing a or d in terms of the other variable and correctly substituting.
	$\frac{45}{2}\left[2(16)+(45-1)9\right]$			M1 dep on previous M1 for using $S_n=\frac{n}{2}\left[2a+(n-1)d\right]$ correctly with a = 16 and d = 9
	Working required	9630		A1 dep on M2
				Total 5 marks