20	$\frac{80}{2}(2a+79d)=470$ oe		6	M1	for substituting into the sum of arithmetic series formula
	$a + 74d = 14.5$ oe			M1	for substituting into the nth term of arithmetic sequence formula
	correct method to find the value of a or d eg $2a + 148d = 29$ _ $2a + 79d = 11.75$			M1	solve the correct equations simultaneously, eg make the coefficients of a or d the same and show the intention to subtract **or** rearrange one equation to make a or d the subject and substitute into the other equation
	correct values of $a = -4$ and $d = 0.25$ oe			A1	dep on M2
	$\frac{X}{2}(2\times"-4"+(X-1)"0.25")=171$ oe			M1	correctly substituting the found values of a and d into a correct equation, can be their values of a and d as long as clearly stated
	Working required	57		A1	dep on M2
					Total 6 marks

21	(a)	(10, 5)	1	B1	cao
	(b)	(2, 5)	1	B1	cao
					Total 2 marks