24	$(S_{20}=)10[2A+19\times11]=10170$ oe (where A is the $u_{(k-19)}$ th term)		5	M1	
	$A=\left(\frac{10170}{10}-19\times11\right)\div2\,(=404)$			M1	
	$8+(P-1)11=\text{"404"}$ oe (where P is the number of terms from 20 to the end)			M1	M2 for $8+11\times(k-20)=$"404"
	$P=\frac{\text{"404"}-8+11}{11}(=37)$			M1	
	Working required	56		A1	dep on M1
	ALTERNATIVE METHOD				
	$(S_k=)\frac{k}{2}[2\times8+(k-1)11]$ **or** $(S_{k-20}=)\frac{(k-20)}{2}[2\times8+(k-21)11]$ **or** $(u_{k-19}=)8+11(k-20)$ **or** $(u_k=)8+11(k-1)$ *(allow use of letter other than k)*		5	M1	for S_k **or** S_{k-20} **or** u_k or u_{k-19} **a and d must be substituted correctly**
	$(S_k=)\frac{k}{2}[2\times8+(k-1)11]$ **and** $(S_{k-20}=)\frac{(k-20)}{2}[2\times8+(k-21)11]$ **or** $(u_{k-19}=)8+11(k-20)$ **and** $(u_k=)8+11(k-1)$			M1	For correct expressions for both S_k and S_{k-20} **or** u_k and u_{k-19}
	$10170=\frac{k}{2}[\text{"16"}+(k-1)11]-\frac{(k-20)}{2}[\text{"16"}+(k-21)11]$ oe **or** $10170=\frac{20}{2}([8+11(k-20)+[8+11(k-1)])$ oe			M1	
	eg $10170=160+\frac{11}{2}[40k-420]$ oe eg $440k = 24640$ or $2240 = 40k$ oe			M1	Expanding to obtain a linear equation **and** collecting terms in k
	Working required	56		A1	dep on M1
					Total 5 marks

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