21	E.g. $a + 3d = 6$ oe		6	M1	for forming an equation for the 4th term of the sequence
	E.g. $\frac{11}{2}(2a+10d) = (a+5d)^2 + 18$			M1	for forming an equation for the sum of the first 11 terms of the sequence
	E.g. $a = 6 - 3d$ **and** $\frac{11}{2}[2(6-3d)+10d] = (6-3d+5d)^2 + 18$ or $d = \frac{6-a}{3}$ **and** $\frac{11}{2}\left[2a+10\left(\frac{6-a}{3}\right)\right] = \left(a+5\left(\frac{6-a}{3}\right)\right)^2 + 18$			M1	dep on M2 for a correct first step to solve the two equations (writing the equation in terms of one variable) **Note:** If $\frac{11}{2}(2a+10d) = (a+5d)^2 + 18$ is expanded then this must be a correct expansion E.g. $11a + 55d = a^2 + 10ad + 25d^2 + 18$
	E.g. $2d^2 + d - 6(=0)$ oe **or** $2a^2 - 27a + 36(=0)$ oe			A1	for a correct 3 term quadratic equation
	$d = 1.5$ oe **and** $a = 1.5$ oe			A1	for a correct value of d **and** a
		30		A1	cao
					Total 6 marks