Success Criteria for Quadratic Sequences	Completed
I have found the difference between each pair of terms.	
-7 27 79 149 237 343 467	
eg +34 +52 +70 +88 +106 +124	
I have worked out the difference between these differences	
giving me a constant term each time. eg	
-7 27 79 149 237 343 467	
+34 +52 +70 +88 +106 +124	
+18 +18 +18 +18 +18	
I have divided the constant difference by 2 to find "a" in the	
an^2 term	
eq $18 \div 2 = 9$ so $9n^2$ is the first term	
For each term in the sequence, I have subtracted the corresponding an^2 term where n starts as 1 and increments	
(+1) each time.	
eg.	
t _n -7 27 79 149 237 343 467	
n 1 2 3 4 5 6 7	
n ² 1 4 9 16 25 36 49	
9n ² 9 36 81 144 225 324 441	
$ t_n-9n^2 -16 -9 -2 5 12 19 26$	
$t_n - 9n^2$ is a linear sequence which we shall call sequence B.	
I have found the difference between each pair of terms in	
sequence B.	
-16 -9 -2 5 12 19 26	
+7 +7 +7 +7 +7 +7	
I have made the common difference the n co-efficient for	
Sequence B.	
eg / n	
found term and the value of $t_n - 7n$.	
t _n -16 -9 -2 5 12 19 26	
n 1 2 3 4 5 6 7	
7n 7 14 21 28 35 42 49	
t _n -7n -23 -23 -23 -23 -23 -23 -23 -23	
I have put these terms together to find the quadratic	
sequence	
eg $9n^2 + 7n - 23$	