Year 9 Autumn 2 – Delta

Q	Topics	MAX Marks	My Score	Self Assess
1	Distinguish between primary and secondary data.	1		
2	Find the reciprocal of simple numbers and fractions mentally, e.g. 10 and 1/10, 3 and 1/3etc.	1		
3	Generate the next term in a quadratic sequence Find a term of a quadratic sequence with $T(n) = an^2 + c$ for a given value of n	3		
4	Draw and interpret a stem and leaf diagram	1		
5	Solve more complex linear inequalities in one variable e.g. $3n + 2 < 11$ and $2n - 1 > 1$	4		
6ab	Evaluate powers of fractions	2		
6c	Understand the order in which to calculate expressions that contain powers in both the numerator and denominator of a fraction	2		
7	Multiply out brackets involving positive and negative terms such as $(a + b)(c - d)$ or $(a - b)(c - d)$ and collect like terms	4		
8	Calculate an estimate of the mean of a large set of grouped data	4		
9a	Construct and solve equations of the form $a(bx \pm c) = d(ex \pm f)$ where negative signs are anywhere in the equation (a or d are greater	2		
9b	Construct and solve equations of the form $(ax \pm b)/c = (dx \pm e)/f$ (where c and f are greater than 1)	2		
10	Write numbers less than 1 in standard index form. Order numbers written in standard index form.	3		
11	Factorise more complex quadratic expressions. Derive and use the difference of two squares	3		
12 abe	Draw and interpret a cumulative frequency chart	5		
12 c	Estimate the median of a set of grouped data using a cumulative frequency chart. Find the lower and upper quartiles of a set of grouped data using a cumulative frequency chart	2		
12d	Find the interquartile range of a large set of grouped data using a cumulative frequency chart	1		

13a	Change the subject of a two-step formula	2		
13b	Use factorisation to make a given letter the subject of a formula.	2		
14a	Use fractional indices and write a fractional power as a root.	1		
14b	Work out negative fractional powers of numbers	1		
15	Change algebraic fractions to equivalent fractions. Simplify complex algebraic expressions	4		

Autumn 2 assessment = $\frac{\quad}{50}$ = _____%