

Year 8 Autumn 2 – Theta

Q	Topics	MAX Marks	My Score	Self Assess
1	Be able to estimate square roots of non-square numbers less than 100.	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
2	Find the HCF or LCM of 2 numbers less than 100	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
3	Multiply and divide integers – positive and negative numbers	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
4	Mentally be able to calculate the squares of numbers less than 16 multiplied by a multiple of ten	4		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
5	Find the prime factor decomposition of a number	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
6	Combine laws of arithmetic for brackets with mental calculations of cubes roots and square roots	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
7	Use the function key to enter a fraction	1		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
8	Use a formula to calculate the area of triangles	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
9	Solve volume problems; Convert between cm^3 and litres	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
10	Calculate the surface area of shapes made from cuboids	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
11	Construct on paper pie charts using categorical data – more than three categories	5		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
12	Calculate the mean from a set of data using assumed mean	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
13	Use a line of best fit drawn by eye to estimate the missing value in a two variable data set	4		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
14	Solve simple two-step linear equations with integer coefficients	4		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
15	Understand the difference between $2n$ and n^2	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
16	Multiply a single term over a bracket, e.g. $x(x + 4)$,	4		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
17	Use the distributive law to take out numerical common factors	4		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
18	Simplify simple expressions involving index notation	2		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G
19	Solve equations of the form $(ax \pm b)/c = dx \pm e$	3		<input type="radio"/> R <input type="radio"/> A <input type="radio"/> G

Autumn 2 assessment = $\frac{\quad}{56} = \quad\% \quad$