

Year 8 Autumn 2 – Delta

Q	Topics	MAX Marks	My Score	Self Assess
1	Find the prime factor decomposition of a number	4		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	Use prime factor decomposition to find the HCF or LCM of 2 numbers	4		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3	Apply the index laws for multiplication and division of small positive integer powers	2		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	Round numbers to a given number of significant figures	2		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	Use numbers of any size rounded to 1 significant figure to make standardised estimates for calculations with 1 step	2		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6	Know and understand the meaning of an identity and use the identity sign	2		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7	Simplify expressions involving brackets and powers	3		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8	Substitute positive and negative integers into linear expressions and expressions involving powers	3		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	Construct and solve equations that involve multiplying out brackets by a negative number and collecting like terms	4		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10	Use the formula for the circumference of a circle	2		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11	Use the formulae for area of a circle, given the radius or diameter	4		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12	Use and apply Pythagoras' theorem to solve problems	2		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
13	Calculate the lengths and areas given the volumes in right prisms	3		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
14	Calculate the lengths, areas and volumes in cylinders	3		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
15	Discuss and interpret real-life graphs	8		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
16	Recognise graphs showing constant/average/variable rates of change	6		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Autumn 2 assessment = $\frac{\quad}{54} = \text{---}\%$