Grade Descriptors for GCSEs Graded 9-1: Maths

9	To achieve a Grade 9 candidates will be able to: • Select accurately and efficient the most appropriate mathematical procedures to obtain a solution • Communicate a mathematical process coherently and accurately • Manipulate number and algebra efficiently applying it at the highest level • Present mathematical proofs algebraically
8	To achieve grade 8, candidates will be able to: • perform procedures accurately • interpret and communicate complex information accurately • make deductions and inferences and draw conclusions • construct substantial chains of reasoning, including convincing arguments and formal proofs • generate efficient strategies to solve complex mathematical and non-mathematical problems by translating them into a series of mathematical processes • make and use connections, which may not be immediately obvious, between different parts of mathematics • interpret results in the context of the given problem • critically evaluate methods, arguments, results and the assumptions made
7	To achieve a Grade 7 candidates will be able to: • perform most procedures accurately • interpret and communicate more complex information accurately • make deductions and inferences and draw conclusions • construct chains of reasoning, including convincing arguments and formal proofs • generate efficient strategies to solve complex mathematical and non-mathematical problems by translating them into a series of mathematical processes • make and use connections, which may not be immediately obvious, between different parts of mathematics. • interpret results in the context of the given problem • begin to critically evaluate methods, arguments, results and the assumptions made
6	To achieve a Grade 6 candidates will be able to: • Perform more complex routine single- and multi-step procedures effectively by recalling, applying and interpreting notation, terminology, facts, definitions and formulae • interpret and communicate information effectively

- make deductions, inferences and draw conclusions
- construct chains of reasoning, including arguments
- generate efficient strategies to solve mathematical and non-mathematical problems by translating them into mathematical processes, and begin to develop mathematical fluency.
- interpret results in the context of the given problem
- Start to critically evaluate methods and results

5	To achieve a Grade 5 candidates will be able to:
	• perform routine single- and multi-step procedures effectively by recalling, applying and interpreting notation, terminology, facts, definitions and formulae
	• interpret and communicate information effectively
	• make deductions, inferences and draw conclusions
	• construct chains of reasoning, including arguments
	• generate strategies to solve mathematical and non-mathematical problems by translating them into mathematical processes, realising connections between different parts of mathematics
	• interpret results in the context of the given problem
	• evaluate methods and results
4	To achieve a Grade 4 candidates will be able to:
	• perform routine single-step procedures effectively by recalling, and interpreting notation, terminology, facts, definitions and formulae
	• interpret and communicate information
	• make simple deductions, inferences and draw conclusions
	• construct some chains of reasoning, including arguments
	• begin to interpret results in the context of the given problem
3	To achieve a Grade 3 candidates will be able to:
	• recall and use notation, terminology, facts and definitions; perform routine procedures, including multi-step procedures
	• interpret and communicate basic information; make deductions and use reasoning to obtain results
	• solve problems by translating mathematical and non-mathematical problems into mathematical processes
	• provide some evaluation of methods or results
	• interpret results in the context of the given problem
2	To achieve a Grade 2 candidates will be able to:
	• recall and use notation, terminology, facts and definitions; perform routine procedures, including some multi-step procedures
	• interpret and communicate basic information; make deductions and use reasoning to obtain results
	• solve problems by translating simple mathematical and non-mathematical problems into mathematical processes

	• provide basic evaluation of methods or results • interpret results in the context of the given problem
1	To achieve a Grade 1 candidates will be able to: • Use basic mathematical notation. • Recall names of common shape. • Provide some basic evaluation of methods or results • Interpret some results in the context of a given problem. • Perform simple mathematical calculations.