

# GCSE Mathematics 5-9 Performance Profile

Grade	Descriptors
9	To achieve grade 9, students' evidence will show that they have securely met all the statements within the grade 8 descriptor, with stronger performance in most or all aspects of the grade 8 statements.
8	<p>To achieve grade 8, candidates will be able to:</p> <ul style="list-style-type: none"><li>• Perform procedures accurately.</li><li>• Interpret and communicate complex information accurately.</li><li>• Make deductions and inferences and draw conclusions.</li><li>• construct substantial chains of reasoning, including convincing arguments and formal proofs.</li><li>• Generate efficient strategies to solve complex mathematical and nonmathematical problems by translating them into a series of mathematical processes.</li><li>• Make and use connections, which may not be immediately obvious, between different parts of mathematics.</li><li>• Interpret results in the context of the given problem.</li><li>• Critically evaluate methods, arguments, results and the assumptions made.</li></ul>
7	To achieve grade 7, students' evidence will show that they have securely met all the statements within the grade 6 descriptor, with stronger performance in most or all aspects of the grade 6 statements. However, their evidence does not meet the minimum requirements of most of the grade 8 statements.
6	<p>To achieve grade 6, candidates will be able to:</p> <ul style="list-style-type: none"><li>• Perform single- and multi-step procedures accurately by recalling, applying and interpreting notation, terminology, facts, definitions and formulae.</li><li>• Interpret and communicate information accurately.</li><li>• Make deductions, inferences and draw conclusions.</li><li>• Construct chains of reasoning, including arguments and basic formal proofs.</li><li>• Generate strategies to solve mathematical and non-mathematical problems by translating them into a series of mathematical processes.</li><li>• Make and use connections between different parts of mathematics.</li><li>• Evaluate methods, results and arguments.</li><li>• Interpret results in the context of the given problem.</li></ul>
5	<p>To achieve grade 5, candidates will be able to:</p> <ul style="list-style-type: none"><li>• Perform routine single- and multi-step procedures effectively by recalling, applying and interpreting notation, terminology, facts, definitions and formulae.</li><li>• Interpret and communicate information effectively.</li><li>• Make deductions, inferences and draw conclusions.</li><li>• Construct chains of reasoning, including arguments.</li><li>• Generate strategies to solve mathematical and non-mathematical problems by translating them into mathematical processes, realising connections between different parts of mathematics.</li><li>• Interpret results in the context of the given problem.</li><li>• Evaluate methods and results.</li></ul>