

GCSE Mathematics 1-5 Performance Profile

Grade	Descriptors
5	<p>To achieve grade 5, candidates will be able to:</p> <ul style="list-style-type: none">• 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	<p>To achieve grade 4, candidates will be able to:</p> <ul style="list-style-type: none">• Perform routine single- and multi-step procedures effectively by recalling, applying and interpreting notation, terminology, facts and definitions.• Interpret and communicate information.• Make simple deductions and draw conclusions.• Construct chains of reasoning.• Solve problems by translating mathematical and non-mathematical problems into mathematical processes.• Evaluate methods or results.• Interpret results in the context of the given problem.
3	<p>Characteristics that differentiate a grade 3 from a grade 4:</p> <ul style="list-style-type: none">• some interpretation and communication of information only which may be lacking in detail• chains of reasoning are more often constructed for non-mathematical contexts rather than mathematical contexts and may not be complete• correct answers are more likely to occur when the problem translated into processes is non-mathematical rather than mathematical• evaluate a method or result by working out the correct answer rather than by providing a written evaluation• may make errors that impact on the completion of multi-step procedures
2	<p>To achieve grade 2, candidates will be able to:</p> <ul style="list-style-type: none">• 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.

To achieve a grade 1, students' evidence will show that they have demonstrated engagement with sufficient content, achieved some credit across elements of the specification content and achieved credit in some assessment objectives. Where the evidence for a student does not support this, the student should be graded unclassified (U).