

Riverside Meadows Academy – KS4 Mathematics Level Descriptors

Grade descriptors for GCSEs graded 9 to 1 extrapolated from the Ofqual Grade 2, 5 and 8 descriptors.
 Whilst the achievement of a Grade is a pass, a "Good Pass" is indicated as achieving Grade 4 or above.

Subject Strands	
Grade 1	<ul style="list-style-type: none"> • 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.
Grade 2	<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
Grade 3	<ul style="list-style-type: none"> • 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
Grade 4	<ul style="list-style-type: none"> • 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
Grade 5	<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

	<ul style="list-style-type: none"> • 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
Grade 6	<ul style="list-style-type: none"> • 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
Grade 7	<ul style="list-style-type: none"> • 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 nonmathematical 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
Grade 8	<ul style="list-style-type: none"> • 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 nonmathematical 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
Grade 9	<ul style="list-style-type: none"> • 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



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