

T3 Examination Specifications G6-11

Subject	Mathematics
Grade	8
Duration	90 minutes
Mark Determination	Questions will be structured to enable students to demonstrate E, D or M in the outcomes assessed in the exam. A mechanism will be included to convert these levels of mastery to marks/100 for entry into eSIS.
Question Types/details	<ul style="list-style-type: none"> • MCQ (10 questions) • Short answer • Multi-strand and/or extended response • This paper is available in English only but an English-Arabic glossary sheet will be available with the exam for those students who require one
Outcomes which may be selected for assessment in the exam	<ul style="list-style-type: none"> • Form a table of values for a linear relationship, plot on the number plane and use to make predictions within and beyond the graph • Determine and explain the gradient of a linear graph • Using $y = mx + c$, graph lines on a number plane • Using a graph of a linear relationship, state the equation of a line • State and explain the equation for vertical and horizontal lines • Interpret the y-intercept and the gradient of a linear relationship in a real-life context and use to solve problems • Identify, model and find equivalent ratios to compare quantities and use to solve simple problems • Divide a quantity in a given ratio and explain the answer • Identify scales on maps and scale drawings, convert between scale lengths and actual lengths and use a scale to create a simple scale drawing • Identify, interpret, and find rates to compare quantities and use to solve simple problems • Calculate and interpret rates from graphs of real-life situations with constant rates and create graphs to show rates • Use and explain the angle relationships on parallel lines • Find missing angles in angle problems and state all relationships used • Use and explain the relationship to find the sum of the interior angles of polygons and individual angles • Use and explain the relationship to find the sum of the exterior angles of polygons and individual angles • Complete transformations using grids and identify relationships between original and transformed shapes • Organizing information/data • Explaining • Making informed judgments/decisions • Generating solutions • Suggesting conclusions • Identifying relationships/patterns