

Queen Elizabeth High School
 MATHS
 Year 9 Assessment Criteria

Working Towards	<p>I can apply the following skills to problems but may need some scaffold or retrieval support:</p> <ul style="list-style-type: none"> • Understand factors, multiples and primes and use these to find the HCF and LCM • Use of basic angle facts • Multiplication and division of integers and decimals • Basic fraction arithmetic • Round to the nearest integer or a given number of decimal places • Interpret bar charts, pictograms and frequency tables • Plot coordinates • Identify types of correlation • Area of basic 2D shapes • Collect like-terms, substitute into simple expressions • Solve one and two-step equations
Expected Standard	<p>I can apply the above skills and the following skills in most situations including some problem solving:</p> <ul style="list-style-type: none"> • Use of a Venn diagram to find the HCF and LCM • Use of angle facts on parallel lines • Multiplication and division of two decimals • More complicated fraction arithmetic including the use of mixed numbers and improper fractions • Round to a given number of significant figures • Construct and interpret pie charts and line graphs • Plot a scatter graph and draw a line of best fit • Area of compound shapes • Factorise and expand single brackets • Solve more complicated equations including with fractions, brackets or unknown on both sides
Greater Depth	<p>I can fluently and confidently apply the above skills and the following skills to both standard questions and multi-step problem solving situations:</p> <ul style="list-style-type: none"> • Reasoning with angle facts on parallel lines • Truncate to a given level of accuracy • Use a scatter graph to make a prediction and understand the limitations involved • Area/ perimeter of shapes involving algebraic methods including working backwards to find missing lengths in composite shapes • Solve complex equations with fractions, brackets and/or the unknown on both sides • Use of estimation and inverse operations to check the appropriateness of an answer