Key Assessment Criteria

A Year Six Mathematician	
✓ I can use negative numbers in context, and calculate intervals across zero ✓ I can round any whole number to a required degree of accuracy and solve problems which require answers to be rounded to a specific degree of accuracy ✓ I can solve problems involving the relative sizes of two quantities where the missing values can be found by using integer multiplication and division facts ✓ I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination ✓ I can solve problems involving the percentages of percentages ✓ I can multiply 1-digit numbers with up to two decimal places by whole numbers ✓ I can perform mental calculations, including with mixed operations with large numbers ✓ I can divide numbers up to 4-digits by a 2-digit whole number using formal written methods of long division and interpret remainder in various ways ✓ I use my knowledge of order of operations to carry out calculations involving all four operations ✓ I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions ✓ I can multiply simple pairs of proper fractions, writing the answer in its simplest form ✓ I can divide proper fractions by whole numbers ✓ I can associate a fraction with division and calculate decimal fraction equivalent ✓ I can express missing number problems algebraically ✓ I can find pairs of numbers that satisfy number sentences involving unknowns	✓ I can recognise, describe and build simple 3D shapes, including making nets ✓ I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangle, quadrilateral and regular polygons ✓ I can illustrate and name parts of circles, including radius, diameter and circumference and know that the radius is half the diameter ✓ I can read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit and visa versa, using decimal notation up to 3 decimal places ✓ I can calculate the area of a parallelogram and triangles and calculate, estimate and compare volume of cubes and cuboids using standard units ✓ I can interpret and construct pie charts and line graphs and use these to solve problems