



Holy Family Catholic Primary School

Year 6 Maths Long Term Plan and Autumn Term Overview

Year 6 – Autumn Term				
Number: Place Value	Number: Addition, Subtraction, Multiplication and Division	Number: Fractions A	Number: Fractions B	Measurement: Converting units
Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit Solve number and practical problems that involve all of the above. Round any whole number to a required degree of accuracy Use negative numbers in context, and calculate intervals across zero	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Solve problems involving addition, subtraction, multiplication and division Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy Identify common factors, common multiples and prime numbers Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication Perform mental calculations, including with mixed operations and large numbers Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context Use their knowledge of the order of operations to carry out calculations involving the four operations	Use common factors to simplify fractions; use common multiples to express fractions in the same denomination Compare and order fractions, including fractions > 1 Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions <i>Identify common factors, common multiples and prime numbers</i> <i>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</i> <i>Solve problems involving addition, subtraction, multiplication and division</i>	Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams (Y5) Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$] Divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$] Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions <i>Solve problems involving addition, subtraction, multiplication and division</i> Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{1}{8}$]	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate Use, 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 vice versa, using decimal notation to up to three decimal places