



Holy Family Catholic Primary School

Year 6/5 Maths Long Term Plan and Autumn Term Overview



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number Place value			Number Addition and subtraction	Number Multiplication and division A		Number Fractions A				Number Multiplication and division B	
Spring	Number Multiplication and division B	Number Fractions B		Number Decimals A		Measurement Area, perimeter and volume		Number Decimals B			Number Fractions, decimals and percentages	
Summer	Ratio		Algebra		Geometry Shape			Geometry Position and direction		Statistics		Measurement Converting units



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Year 6/5 – Autumn Term

Number: Place Value	Number: Addition and Subtraction	Number: Multiplication and Division A	Number: Fractions A	Number: Multiplication and Division B
<p>Read Roman numerals to 1000 (M) and recognise years written in Roman numerals (Y5)</p> <p>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (Y5)</p> <p>Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 (Y5)</p> <p>Read, write, order and compare numbers to at least 10 000 000 and determine the value of each digit (Y6)</p> <p>Solve number and practical problems that involve all of the above (Y5 & Y6)</p> <p>Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 (Y5)</p> <p>Round any whole number to a required degree of accuracy (Y6)</p> <p>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero (Y5)</p> <p>Use negative numbers in context, and calculate intervals across zero (Y6)</p>	<p>Add and subtract numbers mentally with increasingly large numbers (Y5)</p> <p>Perform mental calculations, including mixed operations and large numbers (Y6)</p> <p>Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) (Y5)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (Y5 & Y6)</p> <p>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy (Y6)</p>	<p>Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers (Y5)</p> <p>Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes (Y5)</p> <p>Identify common factors, common multiples and prime numbers (Y6)</p> <p>Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes (Y5)</p> <p>Solve problems involving addition, subtraction, multiplication and division (Y6)</p> <p>Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers (Y5)</p> <p>Establish whether a number up to 100 is prime and recall prime numbers up to 19 (Y5)</p> <p>Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) (Y5)</p> <p>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 (Y5)</p> <p>Multiply and divide numbers mentally drawing upon known facts (Y5)</p>	<p>Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths (Y5)</p> <p>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination (Y6)</p> <p>Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $2/5 + 4/5 = 6/5 = 1 \frac{2}{5}$] (Y5)</p> <p>Compare and order fractions, whose denominators are all multiples of the same number (Y5)</p> <p>Compare and order fractions, including fractions > 1 (Y6)</p> <p>Add and subtract fractions with the same denominator and denominators that are multiples of the same number (Y5)</p> <p>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions (Y6)</p> <p>Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers (Y5)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (Y6)</p>	<p>Multiply numbers up to four digits by a 1- or 2-digit number using a formal written method, including long multiplication for 2-digit numbers (Y5)</p> <p>Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication (Y6)</p> <p>Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes (Y5)</p> <p>Perform mental calculations, including with mixed operations and large numbers (Y6)</p> <p>Solve problems involving addition, subtraction, multiplication and division (Y6)</p> <p>Divide numbers up to four digits by a 1-digit number using the formal written method of short division and interpret remainders appropriately for the context (Y5)</p> <p>Divide numbers up to four digits by a 2-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context (Y6)</p> <p>Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign (Y5)</p> <p>Use their knowledge of the order of operations to carry out calculations involving the four operations (Y6)</p> <p>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy (Y5)</p> <p>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy (Y6)</p> <p>Multiply and divide mentally, drawing upon known facts (Y5)</p>