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**
Read Roman numerals to 1000 (M) and recognise years written in Roman numerals (Y5)

Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (Y5)

Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 (Y5)

Read, write, order and compare numbers to at least 10 000 000 and determine the value of each digit (Y6)

Solve number and practical problems that involve all of the above (Y5 & Y6)

Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 (Y5)

Round any whole number to a required degree of accuracy (Y6)

Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero (Y5)

Use negative numbers in context, and calculate intervals across zero (Y6) | Add and subtract numbers mentally with increasingly large numbers (Y5)

Perform mental calculations, including mixed operations and large numbers (Y6)

Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) (Y5)

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (Y5 & Y6)

Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy (Y6) | Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers (Y5)

Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes (Y5)

Identify common factors, common multiples and prime numbers (Y6)

Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes (Y5)

Solve problems involving addition, subtraction, multiplication and division (Y6)

Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers (Y5)

Establish whether a number up to 100 is prime and recall prime numbers up to 19 (Y5)

Recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3}) (Y5)

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 (Y5)

Multiply and divide numbers mentally drawing upon known facts (Y5) | Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths (Y5)

Use common factors to simplify fractions; use common multiples to express fractions in the same denomination (Y6)

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, $2/5 + 4/5 = 6/5 = 1\ 2/5$] (Y5)

Compare and order fractions, whose denominators are all multiples of the same number (Y5)

Compare and order fractions, including fractions > 1 (Y6)

Add and subtract fractions with the same denominator and denominators that are multiples of the same number (Y5)

Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions (Y6)

Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers (Y5)

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why (Y6) | 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)

Multiply multi-digit numbers up to four digits by a 2-digit whole number using the formal written method of long multiplication (Y6)

Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes (Y5)

Perform mental calculations, including with mixed operations and large numbers (Y6)

Solve problems involving addition, subtraction, multiplication and division (Y6)

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)

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)

Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign (Y5)

Use their knowledge of the order of operations to carry out calculations involving the four operations (Y6)

Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy (Y5)

Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy (Y6)

Multiply and divide mentally, drawing upon known facts (Y5) |