Thorpepark Academy

Year 5 Maths MTP

Year 5 Maths MTP- Autumn			
Week 1-4	**Week 5 and 6**	**Week 7, 8, 9**	**Week 10-14**
Place value	**Addition and subtraction**	**Multiplication and division**	**Fractions A**
National curriculum links			
Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 Solve number problems and practical problems involving the above Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000	Add and subtract numbers mentally with increasingly large numbers Add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction) Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy)	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers Establish whether a number up to 100 is prime and recall prime numbers up to 19 Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 Multiply and divide numbers mentally, drawing upon known facts	Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number Compare and order fractions whose denominators are all multiples of the same number Add and subtract fractions with the same denominator, and denominators that are multiples of the same number
Arithmetic coverage			
Q1, 6, 9, 4, 5 Addition in columns 100 less than a number Subtraction with exchanging Rounding to 100	No separate arithmetic due to addition and subtraction questions taught alongside the unit Q2 Q7 Q14 Q17 Q19	Q8, 17, 10 11 2d X 1d Cube numbers Multiplying numbers by 10 and 100	Q3 Q12 Q15 Q20