	Mattis Coverage - Tear S	
Group/Class		
	Objectives	Co
Number -	 read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit 	
Number and	 count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 	
Place Value	 interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero 	
	• round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000	
	solve number problems and practical problems that involve all of the above	
NI 1	• read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	—
Number –	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	
Addition and	 add and subtract numbers mentally with increasingly large numbers use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy 	
Subtraction	 solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. 	
Number –	 identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers 	
Multiplication	 know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers establish whather a number up to 100 is prime and recall prime numbers up to 10 	
and Division	 establish whether a number up to 100 is prime and recall prime numbers up to 19 multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers 	
	 multiply and divide numbers mentally drawing upon known facts 	
	 divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context 	
	 multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 	
	 recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³) 	
	 solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes 	
	• solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	
	 solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. 	
Number –	compare and order fractions whose denominators are all multiples of the same number	
Fractions,	 identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths 	
Decimals and	$\underline{2}$ $\underline{4}$ $\underline{6}$ $\underline{1}$	
Percentages	 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, ⁵/₅ + ⁶/₅ = ¹/₅] add and subtract fractions with the same denominator and denominators that are multiples of the same number 	
	 multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams 	
	$\frac{71}{100}$	
	• read and write decimal numbers as fractions [for example, 0.71 = 100]	
	 recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents 	
	 round decimals with two decimal places to the nearest whole number and to one decimal place road write order and express numbers with up to three desired places 	
	 read, write, order and compare numbers with up to three decimal places solve problems involving number up to three decimal places 	
	 recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal 	
	• solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.	
Measurement	 convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) 	
	• understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints	
	• measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	
	• calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm ²) and square metres (m ²) and estimate the area of irregular shapes	
	 estimate volume [for example, using 1 cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water] 	
	 solve problems involving converting between units of time 	
	• use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.	
Geometry –	 identify 3-D shapes, including cubes and other cuboids, from 2-D representations 	
Properties of	 know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles 	
Shape	• draw given angles, and measure them in degrees (°)	
	• identify:	
	 angles at a point and one whole turn (total 360°) 	
	\circ angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°)	
	 angles at a point on a straight line and 4 a turn (total 180°) other multiples of 90° 	
	 other multiples of 90° use the properties of rectangles to deduce related facts and find missing lengths and angles 	
	 distinguish between regular and irregular polygons based on reasoning about equal sides and angles. 	
Geometry –	 identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. 	
	• Identity, describe and represent the position of a shape following a reflection of translation, using the appropriate language, and know that the shape has not changed.	
Position and Direction		
	 solve comparison, sum and difference problems using information presented in a line graph 	+-
Statistics	 solve comparison, sum and difference problems using information presented in a line graph complete, read and interpret information in tables, including timetables. 	
Datia and	י נטוואופנב, וכמע מוע ווונכואופן וווטווומנוטו ווו נמאופט, וווטועוווא נווופנמאופט.	+
Ratio and		
Proportion		4
Algebra		
Number of Mat	hs Objectives – 51 (each objective is worth just under 2%)	

	Term
	renn
Coverage Notes	