

Pupil Name:

Year Group: Autumn Score:

Spring Score:

Summer Score

PURPLE END OF YEAR OBJECTIVES (42)

	Number and Place Value	Mastery
	<u>I can count in multiples of 6, 7, 9, 25 and 1,000</u>	
	I can find 1,000 more or less than a given number	
	<u>I can count backwards through 0 to include negative numbers</u>	
	I can recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s)	
	<u>I can order and compare numbers beyond 1,000</u>	
	I can identify, show and estimate numbers using different objects, pictures, numbers and calculations	
	<u>I can round any number to the nearest 10, 100 or 1,000</u>	
	<u>I can solve number and practical problems that involve all of the above and with increasingly large positive numbers</u>	
	I can read Roman numerals to 100 (I to C) and know that the numeral system changed to include 0 and place value	
	Addition and Subtraction	
	I can add and subtract numbers with up to 4 digits using the column addition and subtraction where appropriate	
	I can estimate and use inverse operations to check answers to a calculation	
	<u>I can solve addition/subtraction two-step problems in contexts, deciding which operations and methods to use and why</u>	
	Multiplication and Division	
	<u>I know my multiplication and division facts for multiplication tables up to 12 x 12</u>	
	I can use my place value and known/derived facts to multiply and divide mentally e.g. $600 \div 3 = 200$ derived from $2 \times 3 = 6$	
	I can recognise and use factor pairs and their commutativity mentally (e.g. 18×6 is the same as $2 \times 9 \times 2 \times 3 = 9 \times 3 \times 2 \times 2$)	
	I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout	
	I can solve problems involving multiplying and adding, including: <ul style="list-style-type: none"> partitioning to multiply two-digit numbers by 1 digit , scaling problems (e.g. 4 times as high/8 times as long) correspondence problems such as n objects are connected to m objects 	
	Fractions	
	<u>I can recognise and show, using diagrams, families of common equivalent fractions</u>	
	<u>I can count up and down in hundredths; recognise that hundredths arise when \div an object by 100 and \div tenths by 10</u>	
	I can solve problems using harder fractions (incl. non-unit fractions) to calculate quantities e.g. $\frac{3}{8}$ of £24	
	I can add and subtract fractions with the same denominator (with mixed numbers)	
	I can recognise and write decimal equivalents of any number of tenths or hundreds	
	I can recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$	
	I can find the effect of dividing a one- or two-digit number by 10 and 100 and identify the value of the digits in the answer as ones, tenths and hundredths	
	<u>I can round decimals with 1 decimal place to the nearest whole number</u>	
	I can compare numbers with the same number of decimal places up to 2 decimal places	
	<u>I can solve simple measure and money problems involving fractions and decimals to 2 decimal places</u>	
	Measurement	
	<u>I can convert between different units of measure [for example, kilometre to metre; hour to minute]</u>	
	I can measure and calculate the perimeter of a rectangular object (including squares) in centimetres and metres	
	I can find the area of rectangular shapes by counting squares	
	I can estimate, compare and calculate different measures, including money in pounds and pence	
	I can read, write and convert time between analogue and digital 12- and 24-hour clocks	
	I can solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days	
	Properties of Shape	
	<u>I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</u>	
	I can identify acute and obtuse angles and compare and order angles up to 2 right angles by size	
	<u>I can identify lines of symmetry in 2-D shapes presented in different orientations</u>	
	I can complete a simple symmetrical drawing across a line of symmetry	
	Position and Direction	
	I can describe positions on a 2-D grid as coordinates in the first quadrant	
	I can describe movements between positions as translations to the left/right and up/down	
	<u>I can plot specified points and draw sides to complete a given polygon on a quadrant</u>	
	Statistics	
	I can interpret and present using a range of graphical methods with more complex scales, including bar charts and time graphs (discrete and continuous data)	
	<u>I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</u>	