Brackenwood Junior School

Maths

Long Term Intent

Y4

2022/23

	Unit 1 - Place Value – 4-digit numbers	Unit 2 – Place Value – 4-digit numbers	Unit 3 – Addition and Subtraction	Unit 4 – Multiplication and Division	Unit 5 – multiplication and Division
Autumn	-Identify, represent and estimate numbers using different representations -Count in multiples of 6, 7, 9, 25 and 1000 -Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) -Order and compare numbers beyond 1000 -Round any number to the nearest 10, 100 or 1000 -Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value	-Identify, represent and estimate numbers using different representations -Count in multiples of 6, 7, 9, 25 and 1000 -Find 1000 more or less than a given number -Count backwards through zero to include negative numbers -Order and compare numbers beyond 1000 -Round any number to the nearest 10, 100 or 1000 -Solve number and practical problems that involve all of the above and with increasingly large positive numbers -Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	-Round any number to the nearest 10, 100 or 1000 -Solve number and practical problems that involve all of the above and with increasingly large positive numbers -Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate -Estimate and use inverse operations to check answers to a calculation -Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	-Convert between different units of measure [for example, kilometre to metre; hour to minute] -Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	-Recall multiplication and division facts for multiplication tables up to 12 × 12 -Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers -Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
	Unit 6 – Multiplication and Division	Unit 7 – Measure - area	Unit 8 - Fractions	Unit 9 - Fractions	Unit 10 - Decimals
Spring	-Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers -Recognise and use factor pairs and commutativity in mental calculations -Multiply two-digit and three-digit numbers by a one-digit number using formal written layout -Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence	-Find the area of rectilinear shapes by counting squares -Estimate, compare and calculate different measures, including money in pounds and pence	-Recognise and show, using diagrams, families of common equivalent fractions -Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten -Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including	-Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number -Add and subtract fractions with the same denominator	-Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten -Recognise and write decimal equivalents of any number of tenths or hundredths -Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths

	problems such as n objects are connected to m objects -Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign		non-unit fractions where the answer is a whole number		-Solve simple measure and money problems involving fractions and decimals to two decimal places
	Unit 11 - Decimals	Unit 12 - Time	Unit 13 - Time	Unit 14 - Statistics	Unit 15 – Geometry, angles and 2D shapes
Summer	-Add and subtract fractions with the same denominator -Recognise and write decimal equivalents of any number of tenths or hundredths -Recognise and write decimal equivalents to 1/4; 1/2; ¾ -Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths -Round decimals with one decimal place to the nearest whole number -Compare numbers with the same number of decimal places up to two decimal places -Solve simple measure and money problems involving fractions and decimals to two decimal places	-Solve simple measure and money problems involving fractions and decimals to two decimal places -Estimate, compare and calculate different measures, including money in pounds and pence	-Convert between different units of measure [for example, kilometre to metre; hour to minute]	-Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs -Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	-Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes -Identify acute and obtuse angles and compare and order angles up to two right angles by size -Identify lines of symmetry in 2-D shapes presented in different orientations -Complete a simple symmetric figure with respect to a specific line of symmetry