Perryfields Primary

KS2 Maths
Planning for Progression
Spring – Year 4

Week	Topic	Curriculum Objective	Challenge
1 - 3	Number: Multiplication & Division	• Recall and use 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. • 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. • Divide 2 digit numbers and 3 digit numbers by 1 digit. • 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 problems such as n objects are connected to m objects. • Choose efficient methods for multiplication and division.	• Apply multiplication and division facts to solve related multiplication and division questions. • Balancing equations with three numbers multiplied on each side. • Solve a range of problem solving and reasoning questions, determining the calculation needed and explaining chosen methods.
4-5	Measurement: Length and Perimeter	• Measure in kilometres and metres. • Find equivalent lengths (kilometres and metres). • Calculate perimeter of rectilinear shapes. • Find missing side lengths of rectilinear shapes. • Calculate perimeter of regular polygons.	• Solve problems involving length. • Explain how missing lengths can be calculated. • Spot mistakes in perimeter calculations.
6 - 8	Number: Fractions	• Understand the whole; count beyond one. • Partition a mixed number. • Compare and order mixed numbers. • Convert mixed numbers to improper fractions and vice versa. • Find families of equivalent fractions. • Add fractions; Add fractions and mixed numbers. • Subtract fractions (from fractions, from whole numbes and from mixed numbers)	• Count up and down using equivalent fractions. • Solve a range of problem solving and reasoning questions, determining the calculation needed and explaining chosen methods.

9-11	Number: Decimals	• Recognise and write decimal equivalents of any number of tenths or hundredths. (Recognise tenths and hundredths as fractions and decimals). • Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths • Solve simple measure and money problems involving fractions and decimals to two decimal places. •Convert between different units of measure [for example, kilometre to metre]	• Solve problems involving decimals. • Count in tenths and hundredths and explain crossing a boundary. • Estimate the position of decimal numbers on a number line. • Convert between tenths and hundredths.
12	Consolidate and Assess		