Maths Learning Ladders Year 5.	Times Tables: 4.3 I can recall quickly all the multiplication and division facts for tables up to 12x12 and can use them confidently in larger calculations.	Addition 6.9 I can add increasingly large numbers mentally.	Addition 7.1 I can add large numbers in different contexts using vertical addition.	Addition 7.2 I can use rounding to estimate and check answers to calculations.
Addition: 7.3 I can add a mix of whole numbers and decimals with different numbers of decimal places using vertical addition.	Subtraction 9.7 I can subtract large numbers in different contexts using vertical subtraction.	Subtraction 9.8 I can use rounding to check answers to calculations.	Subtraction 9.9 I can subtract a mix of whole numbers and decimals with different numbers of decimal places using vertical subtraction.	Multiplication 11.2 I can use a formal vertical method to multiply HTP, THHTO and whole numbers with up to 2 decimal places (e.g. money) by 0.
Multiplication 11.3 I can use related facts to multiply multiples of 10 and 100 e.g. 2x3 = 6 20x30=600.	Multiplication 11.4 I can multiply TOxTO using diagrams arrays and grids.	Multiplication 11.5 I can multiply TOxTO using a grid.	Multiplication: 11.6 I can multiply TOxTO using long multiplication.	Multiplication 11.7 I can identify multiples and factors of a number and common factors of two numbers.
Division 13.8 I can divide 4 digit and 4 digit numbers by one digit using short division.	Division: 13.9 I can solve more complex problems involving division including with remainders and round the answer appropriately in context.	Division 14.1 I can begin to represent a remainder as a fraction or decimal.	Fractions: 16.7 I can recognise and convert improper fractions to mixed numbers.	Fractions: 16.8 I can add and subtract fractions with the same denominators including recognising and converting improper fractions to mixed numbers.
Fractions: 16.9 I can compare and order fractions where denominators are in the same fraction family.	Fractions: 17.1 I can add and subtract fractions with denominators in the same fraction family.	Fractions: 17.2 I can multiply proper fractions and mixed numbers by a whole number using diagrams and concrete apparatus.	Decimals: 20.1 I can compare and order whole numbers and decimals with up to 2 decimal places.	Decimals: 20.2 I can round decimals with 2 decimal places to the nearest whole number and to one decimal place.
Decimals 20.3 I can recognise and use thousandths and relate them to tenths, hundredths and decimal places.	Decimals 20.4 I can read, write order and compare numbers that have a mixture of 1, 2 or 3 decimal places.	Percentage and Ratio: 22.1 I can recognise and understand % as part of 100 and write a % as a fraction and a decimal.	Problem Solving: 25.4 I can use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	Problem Solving: 25.5 I can solve addition and subtraction multi-step problems in context, deciding which operations to use and why.

	Problem Solving: 25.6 I can solve division problems interpreting remainders in a context and adjusting the answer appropriately.	Problem Solving: 25.7 I can solve problems involving multiplication and division including scaling by simple fractions.	Problem Solving: 25.8 I can solve multi step problems involving a combination of any of the 4 operations.	Problem Solving: 25.9 I can use all 4 operations to solve equivalence statements (.g. 5x7 = 18 + 12)	Problem Solving: 26.1 I can investigate a problem involving place value and properties of number and present my investigation in a clear and organised way.
	Properties of Number 27.5 I can identify multiples and factors including finding all factor pairs of a number and common factors of two numbers.	Properties of Number 27.6 I know and use the vocabulary of prime numbers, prime factors and composite non prime numbers.	Properties of Number 27.7 I can work out if a number up to 100 is a prime number and have quick recall of all the prime numbers to 19.	Properties of Number: 27.8 I can recognise and describe linear number sequences including those involving fractions and decimals and find the term to term rule. E.g. add half.	Properties of Number 27.9 I can recognise squared and cubed numbers and use the correct notation.
	Measures: 31.2 I can convert between different units of measure using my understanding of times and divide by 10, 100 and 1000.	Measures: 31.2 I can use all 4 operations to solve problems involving length, mass, capacity and scaling.	Measures: 31.3 I can estimate volume and capacity and explore these concepts using practical materials.	Measures: 31.4 I can understand and use approximate equivalences between metric units and common imperial units (inches, pounds and pints.)	Time: 35.1 I can solve problems which involve converting between units of time e.g. expressing the answer as days and weeks.
	<u>Time: 35.2</u> I can solve problems involving time including reading simple timetables.	Perimeter and Area 36.5 I can measure and calculate the perimeter of shapes that need to be divided into rectangles (composite rectilinear shapes) in cm and m.	Perimeter and Area 36.6 I can measure and calculate the area of shapes that need to be divided into rectangles (composite and rectilinear shapes) in cm <sup>2</sup> and m <sup>2</sup>	Perimeter and Area 36.7 I can estimate the area of irregular shapes.	Perimeter and Area 36.8 I can calculate and compare the area of rectangles using in cm <sup>2</sup> and m <sup>2</sup> including from scale drawings.
	Perimeter and Area 36.9 I can find unknown lengths on rectilinear shapes using my understanding of perimeter and area.	Statistics 39.7 I can complete, read and interpret information presented in tables and other graphical representations.	Statistics: 39.8 I can decide which representations of data are most appropriate and explain why.	Statistics: 39.9 I can interpret a pie chart.	Shape 43.1 I can draw and measure given angles in degrees.
	Shape 43.2 I can identify regular and irregular shapes using my knowledge of length of sides and angles.	Shape: 43.3 I can identify 3D shapes from 2D representations.	Shape: 43.4 I can calculate missing angles on a straight line (180 or at a point (360) or within a right angle (90).	Shape: 43.5 I can find missing lengths and angles in rectangles using my knowledge of related facts.	Shape: 43.6 I can find missing lengths and angles in rectangles using my knowledge of related facts.

Position and Direction 45.9 I can identify, describe and draw the position of a shape on a grid after a reflection on a line parallel to the axis.	Position and Direction 46.1 I can identify, describe and draw the position of s shape on a grid after a translation.	Place Value: 49.1 I can read write, order and compare numbers to 1,000,000 (1 million) and determine the value of each digit.	Place Value: 49.2 I can round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000.	Place Value: 49.3 I can count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000
Place Value: 49.4 I can interpret negative numbers in context.				