Year 5

Autumn	**Number: Place value** Negative numbers Count powers of 10 Read write up to 1,000,000 Round numbers Solve problems Roman Numerals	**Addition and Subtraction** Mental vs written Mental 4/5 digit multiple of 10 Formal methods Rounding to check answers Problem solving including measures	**Multiplication and Division** **Measure** Properties of number – Squared cubed factors Factor pairs Common factors prime Composite numbers	**Multiplication and Division** Multiplying whole numbers and decimals by 10, 100, 1,000 Converting units of measure	**Multiplication and Division** X and ÷ mentally drawing on known facts	**Position and Direction** Position of a shape Translation Reflection	
	Include measurement – all contexts Reasoning and problem solving						
Spring	**Fractions** Recognising mixed numbers and improper fractions	**Fractions** Equivalent Compare Order with denominators which are all multiples of the same number	**Fractions** Add and subtract where denominators are multiples of the same number	**Multiplication and Division** 4 digit x 1 and digit 4 digit x 2 digit 4 digit ÷ 1 digit Interpret remainders accordingly Problem solving Scaling by fractions Simple rates	**Measurement /Statistics** **Time** Reading timetables Solve problems converting units of time	**Measurement** **Area** Using squares Calculate and compare Estimate area of irregular shapes **Volume**	
	Include measurement – all contexts Reasoning and problem solving						
Summer	**Fractions** Multiplying proper fractions by whole numbers	**Number: decimals** Read / write to 2dp Write as fractions Order and compare Round to nearest whole and 1dp Read write order to 3dp	**Decimals** Solve problems with number to 3dp	**Percentages** Understand % Write as fraction/decimal	**Statistics** Problem solving – line graphs **Measure** Perimeter Composite rectilinear shapes	**Measure** Convert metric (relate to x ÷ 10,100,1000) Convert metric and imperial Solve problems with all measure	**Geometry** Properties 2d shape 3d shapes Nets Regular irregular polygons Draw and measure angles Identify angles
	Reasoning and problem solving						

Include measurement – all contexts