



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
<b>Aut</b>	Place Value		Addition, subtraction, multiplication and division					Fractions A		Fractions B		Converting Units	Consolidation	Assessment Week
<b>Spr</b>	Ratio		Algebra		Decimals		FDP		Area, perimeter, volume		Statistics			
<b>Sum</b>	Shape		Position and direction	Themed projects, consolidation and problem solving										

**Autumn Term: Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

	Autumn 1							Autumn 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	
	Place Value		Addition, subtraction, multiplication and division					Fractions A		Fractions B		Converting Units	Consolidation	Assessment Week	
<b>Small Steps (WRM)</b>	Numbers to 1,000,000 Numbers to 10,000,000 Read and write numbers to 10,000,000 Powers of 10	Number line to 10,000,000 Compare and order any integers Round any integer Negative numbers	Add and subtract integers Common factors Common multiples Rules of divisibility	Primes to 100 Square and cube numbers Multiply up to a 4-digit numbers by a 2-digit number	Solve problems with multiplication Short division Division using factors	Introduction to long division Long division with remainders Solve problems with division	Solve multi-step problems Order of operations Mental calculations and estimation Reason for known facts	Equivalent fractions and simplifying Equivalent fractions on a number line Compare and order (denominator) Compare and order (numerator)	Add and subtract simple fractions Add and subtract any two fractions Add mixed numbers Subtract mixed numbers Multi-step problems	Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer	Mixed questions with fractions Fraction of an amount Fraction of an amount – find the whole	Metric measure Convert metric measures Calculate metric measure M and KM Imperial measure			
<b>Supporting Resources</b>	NCETM Spine: revisit y5 1.26PV 1.30 (mainly TP2 and TP3) 1.30 (TP 5 rounding)		NCETM Spine: 1.30TP 4 (revisit 1.20 and 1.21 for column) 1.30 (maybe use to secure PV and counting through boundaries using mental methods TP4 and fluency including RPS in TP6) 2.24 (division - ref back to 2.15 if necessary) 2.23 long multiplication 2.21 common factors, common multiples, primes 2.20 cubes and ref back to 2.9 for square numbers 2.22 and 2.28 (order operations) 2.25 (reason known facts)					NCETM Spine: 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3		NCETM Spine: 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3		NCETM Spine: 2.29 TP2 (metric only)			
<b>Vocab</b>	Place value, digit, value, decimal, whole number, decimal point, thousands, hundreds, tens, ones, units, tenths, hundredths, thousandths, numerical value, expanded form, standard form, rounding, estimation, comparison		Sum, difference, quotient, addend, subtrahend, minuend, factor, dividend, divisor, remainder, operation, product, inverse					Fraction, numerator, denominator, proper fraction, improper fraction, mixed number, equivalent fractions, simplifying fractions, common denominator, LCD, LCM unit fraction		Fraction, numerator, denominator, proper fraction, improper fraction, mixed number, equivalent fractions, simplifying fractions, common denominator, LCD, LCM unit fraction		Conversion, metric, imperial, length, distance, miles to km			



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Aut	Place Value		Addition, subtraction, multiplication and division					Fractions A		Fractions B		Converting Units	Consolidation	Assessment Week
Spr	Ratio		Algebra		Decimals		FDP		Area, perimeter, volume		Statistics			
Sum	Shape		Position and direction	Themed projects, consolidation and problem solving										

**Spring Term: Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

	Spring 1							Spring 2						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
	Ratio		Algebra		Decimals		FDP		Area, perimeter, volume		Statistics		Consolidation	Assessment Week
Small Steps (WRM)	Add or multiply? Use ratio language Introduction to the ratio symbol Ratio and fractions Scale drawing	Use scale factors Similar shapes Ratio problems Proportion problems Recipes	1-step function machines 2-step function machines Form expressions Substitution Formulae	Form equations Solve 1-step equations Solve 2-step equations Find pairs of values Solve problems with two unknowns	Place value within 1 Place value – integers and decimals Round decimals Add and subtract decimals Multiply 10, 100 and 1,000	Divide by 10, 100 and 1,000 Multiply decimals by integers Divide decimals by integers Multiply and divide decimals in context	Decimal and fraction equivalents Fractions as division Understand percentages Fractions as percentages Equivalent FDP	Order FDP Percentage of an amount – one step Percentage of an amount – multi step Percentages – missing values	Shape – same area Area and perimeter Area of a triangle – counting squares Area of a right-angled triangle	Area of any triangle Area of a parallelogram Volume – counting cubes Volume of a cuboid	Line graphs Duel bar charts Read and interpret pie charts	Pie charts with percentages Draw pie charts The mean		
Supporting Resources	NCETM Spine: 2.27		NCETM Spine: 1.28, 1.31		NCETM Spine: revisit TP 1.24 for 3 D.P, revisit 2.29 - multi div 10,100,1000 2.19 mult div decimals by integers 2.28 (some support with division problems but no decimals) 3.10 fraction decimal		NCETM Spine: 3.10		NCETM Spine: 2.30 area perimeter (revisit 2.16) 2.20 volume		NCETM Spine: 1.28 TP3 (pie chart, bar chart - missing values focus) 3.10 TP6 - percentage context, 2.26 mean average			
Vocab	Proportion, comparison, scale, scaling		Variable, expression, equation, coefficient, constant, term, like term, factorisation, expansion, linear equation, inequality		Place value, tenths, hundredths, thousandths, decimal fraction, decimal notation, ordering, equivalent		Proper, improper, mixed number, equivalent, simplifying, common LCD, LCM		Length, width, height, base, surface area, net, composite shape		Data, statistics, survey, analysis, representation, frequency, bar/line/pictograph, mean, mode, median, range, probability			



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<b>Aut</b>	Place Value		Addition, subtraction, multiplication and division					Fractions A		Fractions B		Converting Units	Consolidation	Assessment Week
<b>Spr</b>	Ratio		Algebra		Decimals		FDP		Area, perimeter, volume		Statistics			
<b>Sum</b>	Shape		Position and direction	Themed projects, consolidation and problem solving										

**Summer Term: Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

	Summer 1							Summer 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	
	Shape		Position and direction	Themed projects, consolidation and problem solving										Consolidation	Assessment Week
<b>Small Steps (WRM)</b>	Measure and classify angles Calculate angles Vertically opposite angles Angles in a triangle Angles in a triangle – special cases	Angle sin a triangle – missing angles Angles I quadrilaterals Angles in polygons Circles Draw shapes accurately Nets of 3-D	The first quadrant Read a plot in four quadrants Solve problems with coordinates Translations Reflections	Best value - book the perfect holiday	Profit and loss – design the perfect theme park	Packaging - design the most efficient and cost effective package	Cooking problems - solve the ration and proportion dilemmas and cook based on your findings	Salaries of you future	Buying my house	Taxation and bills					
<b>Supporting Resources</b>	NCETM Spine: 1.28 TP4 (missing angles only)		NCETM Spine: 1.27 TP 6												
<b>Vocab</b>	Angles, acute, obtuse, reflex, right-angle, opposite angles, bisect, 180 degrees, 360 degrees, 90 degrees,		Left, right, up, down, north, south, east, west, forward, backward, clockwise, anticlockwise												