TERM: Spring Term 2 YEAR: 6

WEEK 1	OBJECTIVES CONTRACTOR	SUPPORT FOR LEARNING / GUIDANCE
Number	 Divide by 10, 100 and 1,000 	
Decimals & Fractions	Multiply decimals by integers	Pupils use their understanding of the relationship between unit fractions and division to work backwards by multiplying a quantity that represents
	Divide decimals by integers	a unit fraction to find the whole quantity (for example if a 1/4 of a length is 36cm, then the whole length is
	Multiply and divide decimals in context	36 × 4 = 144cm).
	Decimal and fraction equivalents	They practise calculations with simple fractions and decimal fraction equivalents to aid fluency, including listing equivalent fractions to identify fractions with common denominators.
		Pupils can explore and make conjectures about converting a simple fraction to a decimal fraction (for example, 3 ÷ 8 = 0.375). For simple fractions with recurring decimal equivalents, pupils learn about rounding the decimal to three decimal places, or other appropriate approximations depending on the context.
		Use a variety of images to support understanding including bar modelling, string etc NRICH Andy's marbles NRICH Would you rather? NRICH Forgot the Numbers

WEEK 2	OBJECTIVES	SUPPORT FOR LEARNING / GUIDANCE
Number	 Fraction as division 	Pupils should use a variety of images to support their
Fractions &		understanding of multiplication with fractions. This
Percentages	 Understand percentages 	follows earlier work about fractions as operators
		(fractions of), as numbers, and as equal parts of
	 Fractions to percentages 	objects, for example as parts of a rectangle. This
		should then progress to understanding fractions,
	 Equivalent fractions, decimals and percentages 	decimals and percentages and order them.
	percentages	
	Order fractions, decimals and percentages.	
	percentages	

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WEEK 3	OBJECTIVES	SUPPORT FOR LEARNING / GUIDANCE
Geometry Area &	Percentage of an amount - one step	Pupils should consolidate their understanding of percentage when comparing quantities, sizes and
Perimeter	Percentage of an amount - multi-step	scale drawings by solving a variety of problems. They might use the methos of breaking the whole into ten
	Percentages - missing values	parts to record their work.
	Shapes - same area	Pupils recognise proportionality in contexts when the relations between quantities are in the same ratio
	Area and perimeter	(for example, similar shapes and recipes)
		NRICH Orange drink NRICH Pumpkin Pie

WEEK 4	OBJECTIVES	SUPPORT FOR LEARNING / GUIDANCE
Area	Area of a triangle - counting squares	Pupils draw and label a triangle whilst working out
		the area using the correct methos. This extends
	 Area of a right-angled triangle 	their knowledge of one quadrant to all four
		quadrants, including the use of negative numbers.
	Area of any triangle	
	, ,	Pupils draw and label triangless (including right
	Area of a parallelogram	angled), specified by coordinates in the four
	, ,	quadrants, predicting missing coordinates using the
	Volume - counting cubes	properties of shapes.
		These might be expressed algebraically for example,
	Volume of a cuboid	translating vertex (a,b) to $(a-2, b+3)$; (a,b) and $(a+d, b)$
		b +d) being opposite vertices of a square of side d.
		, a s , g s , p , a s , a s , a s , a s , a s , a s , a s , a s , a s , a s , a s , a s , a s , a s , a s , a s
		Pupils will then find the area and volume of cuboids.
		Link to properties of shape.
		NRICH A Cartesian Puzzle
		NRICH Eight Hidden Squares
		NRICH Coordinate Tan
		NRICH Ten Hidden Squares

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Line graphs	
Line graphs	
Nucl. b. on absorbe	Pupils connect their work on angles, fractions and percentages to the interpretation of pie charts and
Dual bar charts	bar charts.
 Read and interpret pie charts 	Pupils link percentages/fractions or 360 degrees to calculating angles of a pie chart. This could be linked
 Pie charts with percentages 	to time periods on a clock.
Draw pie chartsThe mean	Pupils connect conversion (for example, from kilometres to miles) to a graphical representation as preparation for understanding linear/proportion
• The mean	graphs.
	Pupils know when it is appropriate to find the mean of a data set.
	Pupils both encounter and draw graphs relating two variables, arising from their own enquiry and other subjects.
	They know approximate conversions and are able to tell if an answer is sensible.
	Pupils could be introduced to compound units for speed, such as miles per hour, and apply their knowledge in science or other subjects as appropriate.
	NB Upper KS2 PoS - Working scientifically Pupils should record data and results of increasingly complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar charts and line graphs.
	NRICH It's a Tie NRICH Match the Matches
	 Pie charts with percentages

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