



Kilmington Primary School
Maths Overview

Ospreys Maths Overview

	Week 1:	Week 2:	Week 3:	Week 4:	Week 5:	Week 6:	Week 7:	Week 8:	Week 9:	Week 10:	Week 11:	Week 12:
Autumn Term	Number: Place Value <ul style="list-style-type: none"> • Roman numerals to 1,000 • Numbers to 100,000 • Numbers to 1,000,000 • Read and write numbers to 1,000,000 • Numbers to 10,000,000 • Read and write numbers to 10,000,000 • Powers of 10 • Partition numbers to 10,000,000 • Number line to 10,000,000 • Compare and order any integers • Round within 100,000 • Round any integer • Count through zero • Compare and order negative numbers • Negative numbers 			Number: Addition and subtraction <ul style="list-style-type: none"> • Mental strategies • Add integers • Subtract integers • Inverse operations and missing numbers • Reason from known facts 	Number: Multiplication and division A <ul style="list-style-type: none"> • Multiples • Common multiples • Factors • Common factors • Rules of divisibility • Prime numbers • Square and cube numbers • Multiply by 10, 100 and 1,000 • Divide by 10,100 and 1,000 	Number: Fractions A <ul style="list-style-type: none"> • Recognise equivalent fractions • Equivalent fractions and simplifying • Equivalent fractions on a number line • Convert improper fractions to mixed numbers • Convert mixed numbers to improper fractions • Compare fractions (denominator) • Compare fractions (numerator) • Order fractions • Add and subtract fractions with the same denominator • Add fractions where one denominator is a multiple of the other • Add any two fractions • Add mixed numbers • Subtract fractions where one denominator is a multiple of the other • Subtract any two fractions • Subtract from a mixed number • Subtract from a mixed number – breaking the whole • Subtract two mixed numbers • Multi-step problems 				Number: Multiplication and division B <ul style="list-style-type: none"> • Multiply a 2-digit number by a 2-digit number • Multiply up to a 4-digit number by a 2-digit number • Solve problems with multiplication • Short division • Divide a 4-digit number by a 1-digit number • Division using factors • Introduction to long division • Long division with remainders • Solve problems with division • Efficient division • Solve multi-step problems • Order of operations • Mental calculations and estimation • Reason from known facts 		



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Spring Term	Number: Multiplication and division B <ul style="list-style-type: none"> • Multiply a unit fraction by an integer • Multiply a non-unit fraction by an integer • Multiply a mixed number by an integer • Multiply fractions by fractions • Divide a fraction by an integer • Divide any fraction by an integer • Fraction of an amount • Fraction of an amount – find the whole 	Number: Fractions B <ul style="list-style-type: none"> • Decimals up to 2 decimal places • Decimals up to 3 decimal places • Place value – integers and decimals • Order and compare decimals (same number of d.p.) • Order and compare decimals with up to 3 decimal places • Round to the nearest whole number • Round to 1 decimal place • Round to 2 decimal places 		Number: Decimals A <ul style="list-style-type: none"> • Perimeter of rectangles and rectilinear shapes • Area of rectangles • Area of compound shapes • Estimate area • Area of triangles • Area of parallelograms • Volume – cubic centimetres • Volume of a cuboid • Compare volume • Estimate volume and capacity 		Measurement: Area, perimeter and volume <ul style="list-style-type: none"> • Use known facts to add and subtract decimals within 1 • Complements to 1 • Add and subtract decimals across 1 • Add decimals with the same number of d.p. • Subtract decimals with the same number of d.p. • Add decimals with different numbers of d.p. • Subtract decimals with different numbers of d.p. • Efficient strategies • Decimal sequences • Multiply by 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 contexts 		Number: Decimals B <ul style="list-style-type: none"> • Equivalent fractions and decimals – tenths • Equivalent fractions and decimals – hundredths • Equivalent fractions and decimals – thousandths • Fractions as division • Understand percentages • Percentages as fractions • Percentages as decimals • Equivalent F, D, P • Order F, D, P • Percentages of an amount 			Number: Fractions, decimals and percentages <ul style="list-style-type: none"> • Step 1 Kilograms and kilometres • Step 2 Millimetres and millilitres • Step 3 Convert metric units • Step 4 Miles and kilometres • Step 5 Imperial measures • Step 6 Convert units of time • Step 7 Calculate with timetables 	



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Summer Term	Ratio <ul style="list-style-type: none"> • Add or multiply? • Use ratio language • Ratio and fractions • Use scale factors • Similar shapes • Ratio problems • Proportion problems 	Algebra <ul style="list-style-type: none"> • Function machines • Form expressions • Substitution • Formulae • Form equations • Solve equations • Find pairs of values • Solve problems with two unknowns 	Geometry: Shape <ul style="list-style-type: none"> • Understand and use degrees • Classify angles (include estimate) • Measure angles (include estimate) • Calculate angles around a point • Calculate angles on a straight line • Vertically opposite angles • Angles in a triangle (include missing angles) • Angles in a triangle – special cases (include missing angles) • Angles in quadrilaterals • Regular polygons • Irregular polygons • Circles • Draw shapes • 3-D shapes 	Geometry: Position and direction <ul style="list-style-type: none"> • The first quadrant • Four quadrants • Solve problems with coordinates • Translations • Lines of symmetry • Reflections 	Statistics <ul style="list-style-type: none"> • Draw line graphs • Read and interpret line graphs • Bar charts (to include dual bar charts) • Tables (to include two-way table) • Timetables • Read and interpret pie charts • Pie charts with percentages • Draw pie charts • The mean 	Measurement: Converting units <ul style="list-style-type: none"> • Kilograms and kilometres • Millimetres and millilitres • Convert metric units • Miles and kilometres • Imperial measures • Convert units of time • Calculate with timetables 						