

National Curriculum Mapping at Alexandra Park Junior School.

Alexandra Park Junior School To learn, be happy and achieve our best

National Curriculum Mapping. Place Value: Count – WRM schemes, negative numbers are introduced in Y5

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
 count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Count numbers to 100 in numerals; count in multiples of twos, fives and tens 	• count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward	• count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number	• count in multiples of 6, 7, 9, 25 and 1000 • count backwards through zero to include negative numbers	 count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 count forwards and backwards with positive and negative whole numbers, including through zero 	
Autumn 1 Spring 1 Spring 3 Summer 4	Autumn 1	Autumn 1 Autumn 3	Autumn 1 Autumn 4	Autumn 1 Summer 4	

Place Value: Represent

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
 identify and represent 	 read and write 	 identify, represent and 	 identify, represent and 	 read, write, (order and 	 read, write, (order and
numbers using objects	numbers to at least 100	estimate numbers using	estimate numbers using	compare) numbers to at	compare) numbers up to 1
and pictorial	in numerals and in words	different representations	different representations	least 1 000 000 and	000 000 and determine the
representations	 identify, represent and 	 read and write 	 read Roman numerals 	determine the value of	value of each digit
 read and write 	estimate numbers using	numbers up to 1000 in	to 100 (I to C) and know	each digit	
numbers to 100 in	different representations,	numerals and in words	that over time, the	 read Roman numerals 	
numerals	including the number line		numeral system changed	to 1000 (M) and	
 read and write 			to include the concept of	recognise years written in	
numbers from 1 to 20 in			zero and place value	Roman numerals	
numerals and words					
Autumn 1	Autumn 1	Autumn 1	Autumn 1	Autumn 1	Autumn 1
Spring 1					
Spring 3					
Summer 4					

National Curriculum Mapping. Place Value: Use and Compare



Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
• given a number, identify one more and one less	recognise the place value of each digit in a two- digit number (tens, ones) • compare and order numbers from 0 up to 100; use and = signs	 recognise the place value of each digit in a three-digit number (hundreds, tens, ones) compare and order numbers up to 1000 	 find 1000 more or less than a given number recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) order and compare numbers beyond 1000 	• (read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit	• (read, write), order and compare numbers up to 10 000 000 and determine the value of each digit
Autumn 1 Spring 1 Spring 3 Summer 4	Autumn 1	Autumn 1	Autumn 1	Autumn 1	Autumn 1

Place Value: Problems/Rounding

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	• use place value and number facts to solve problems	• solve number problems and practical problems involving these ideas	 round any number to the nearest 10, 100 or 1000 solve number and practical problems that involve all of the above and with increasingly large positive numbers 	 interpret negative numbers in context round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 solve number problems and practical problems that involve all of the above 	 round any whole number to a required degree of accuracy use negative numbers in context, and calculate intervals across zero solve number and practical problems that involve all of the above
	Autumn 1	Autumn 1	Autumn 1	Autumn 1	Autumn 1



Addition and Subtraction: Calculations

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
 add and subtract one-digit and two - digit numbers to 20, including zero 	 add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two -digit number and ones a two -digit number and tens two two -digit numbers adding three one - digit numbers 	 add and subtract numbers mentally, including: a three -digit number and ones a three -digit number and tens a three -digit number and tens a three -digit number and hundreds add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction 	 add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate 	 add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) add and subtract numbers mentally with increasingly large numbers 	 perform mental calculations, including with mixed operations and large numbers use their knowledge of the order of operations to carry out calculations involving the four operations
Autumn 2 Spring 2	Autumn 2	Autumn 2	Autumn 2	Autumn 2	Autumn 2



Addition and Subtraction: Problems

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
 solve one -step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = c - 9 	 solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods 	 solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction 	 solve addition and subtraction two -step problems in contexts, deciding which operations and methods to use and why 	 solve addition and subtraction multi - step problems in contexts, deciding which operations and methods to use and why solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign 	 solve addition and subtraction multi - step problems in contexts, deciding which operations and methods to use and why
Autumn 2 Spring 2	Autumn 2	Autumn 2	Autumn 2	Autumn 2	Autumn 2

National Curriculum Mapping. Multiplication and Division: Recall/Use

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	 recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot 	 recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables 	 recall multiplication and division facts for multiplication tables up to 12 × 12 use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers recognise and use factor pairs and commutativity in mental calculations 	 identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers know and use the vocabulary of prime numbers, prime factors and composite (non - prime) numbers establish whether a number up to 100 is prime and recall prime numbers up to 19 recognise and use square numbers, and the notation for squared (²) and cubed (³) 	 identify common factors, common multiples and prime numbers use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy
	Spring 2	Autumn 3 Spring 1	Autumn 4 Spring 1	Autumn 3	Autumn 2

National Curriculum Mapping. Multiplication and Division: Calculations

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	 calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs 	 write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two - digit numbers times one -digit numbers, using mental and progressing to formal written methods 	 multiply two -digit and three -digit numbers by a one - digit number using formal written layout 	 multiply numbers up to 4 digits by a one - or two - digit number using a formal written method, including long multiplication for two -digit numbers multiply and divide numbers mentally drawing upon known facts divide numbers up to 4 digits by a one -digit number using the formal written method of short division and interpret remainders appropriately for the context multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 	 multiply multi -digit numbers up to 4 digits by a two -digit whole number using the formal written method of long multiplication divide numbers up to 4 digits by a two -digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context divide numbers up to 4 digits by a two -digit number using the formal written method of short division where appropriate, interpreting remainders according to the context perform mental calculations, including with mixed operations and large numbers
	Spring 2	Autumn 3 Spring 1	Spring 1	Autumn 3 Spring 1	Autumn 2

National Curriculum Mapping. Multiplication and Division: Problems



Year I	Year J	Year 3	Year 4	Year 5	Year 6
 solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher 	 solve problems involving, multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts 	 solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 	 solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects 	 solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates 	 solve problems involving addition, subtraction, multiplication and division
Summer I	Spring 2	Spring l	Spring l	Autumn 3 Spring I	Autumn 2

National Curriculum Mapping. Multiplication and Division: Combined



Year I	Year 2	Year 3	Year 4	Year 5	Year 6
				 solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign 	 use their knowledge of the order of operations to carry out calculations involving the four operations
				Spring l	Autumn 2

National Curriculum Mapping. Fractions: Recognise and Write



Year I	Year J	Year 3	Year 4	Year 5	Year 6
 recognise, find and name a half as one of two equal parts of an object, shape or quantity recognise, find and name a quarter as one of four equal parts of an object, shape or quantity 	 recognise, find, name and write fractions 1/1, 1/2, 2/4 and 3/4 of a length, shape, set of objects or quantity 	 count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one -digit numbers or quantities by 10 recognise, find and write fractions of a discrete set of objects: unit fractions and non unit fractions with small denominators recognise and use fractions as numbers: unit fractions and non unit fractions with small denominators 	 count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten 	 identify, name and write equivalent fractions of a given fraction, represented visually, including, tenths and hundredths recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > I as a mixed number [for example, ²/₅ + ⁴/₅ = ⁶/₅ = 1¹/₅] 	
Summer 2	Summer I	Spring 3	Spring 4 Summer I	Autumn 4	

National Curriculum Mapping. Fractions: Compare



Year I	Year J	Year 3	Year 4	Year 5	Year 6
	 Recognise the equivalence of ²/₄ and ¹/₂ 	 recognise and show, using diagrams, equivalent fractions with small denominators compare and order unit fractions, and fractions with the same denominators 	• recognise and show, using diagrams, families of common equivalent fractions	 compare and order fractions whose denominators are all multiples of the same number 	 use common factors to simplify fractions; use common multiples to express fractions in the same denomination compare and order fractions; including fractions > 1
	Summer	Spring, 3	Spring 3	Autumn 4	Autumn 3

National Curriculum Mapping. Fractions: Calculations



Year I	Year J	Year 3	Year 4	Year 5	Year 6
	• write simple fractions for example, $\frac{1}{2}$ of 6 = 3	• add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]	• add and subtract fractions with the same denominator	 add and subtract fractions with the same denominator and denominators that are multiples of the same number multiply proper fractions and mixed numbers by whole numbers; supported by materials and diagrams 	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$] divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$]
	Summer I	Summer I	Spring, 3	Autumn 4 Spring 2	Autumn 3 Autumn 4

National Curriculum Mapping. Fractions: Solve Problems

Year I	Year J	Year 3	Year 4	Year 5	Year 6
		• solve problems that involve all of the above	 solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non -unit fractions where the answer is a whole number 		
		Spring 3 Summer I	Spring 3		

National Curriculum Mapping. Decimals: Recognise, Write, Compare



Year I	Year J	Year 3	Year 4	Year 5	Year 6
			 recognise and write decimal equivalents of any number of tenths or hundredths recognise and write decimal equivalents to 1, 1, 3/4 round decimals with one decimal place to the nearest whole number compare numbers with the same number of decimal places up to two decimal places 	 read and write decimal numbers as fractions [for example, 0.71 = ⁷¹/₁₀₀] recognise and use³⁷ thousandths and relate them to tenths, hundredths and decimal equivalents round decimals with two decimal places to the nearest whole number and to one decimal place read, write, order and compare numbers with up to three decimal places 	 identify the value of each digit in numbers given to three decimal places
			Spring 4 Summer 1	Spring 3 Summer 3	Spring 3

National Curriculum Mapping. Fractions, Decimals and Percentages



Year I	Year J	Year 3	Year 4	Year 5	Year 6
			 solve simple measure and money problems involving fractions and decimals to two decimal places 	 recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred, and write percentages as a fraction with denominator 100, and as a decimal solve problems which require knowing percentage and decimal equivalents of ¹/₂, ¹/₄, ¹/₅, ²/₅, ⁴/₅ and those fractions with a denominator of a multiple of 10 or 25 	 associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, ³/₈] recall and use ⁽ equivalences between simple fractions, decimals and percentages, including in different contexts
			Spring, 3 Spring, 4 Summer 1	Spring, 3	Spring 3 Spring 4

National Curriculum Mapping. Ratio and Proportion



Year I	Year J	Year 3	Year 4	Year 5	Year 6
					 solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts solve problems involving the calculation/use of percentages for comparison solve problems involving similar shapes <u>where</u> the scale factor is known or can be found solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
					Spring I

National Curriculum Mapping. Algebra



Year I	Year J	Year 3	Year 4	Year 5	Year 6
 solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = c - 9 	 recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems 	 solve problems, including missing number problems 			 use simple formulae generate and describe linear number sequences express missing number problems algebraically find pairs of numbers that satisfy an equation with two unknowns enumerate possibilities of combinations of two variables
					Spring 2

Note – although formal algebraic notation is not introduced until Y6, algebraic thinking starts much earlier as exemplified by the 'missing number' objectives from Y1/2/3

National Curriculum Mapping. Using Measures



Year I	Year J	Year 3	Year 4	Year 5	Year 6
 compare, describe and solve practical problems for: Ø lengths and heights Ø mass/weight Ø capacity and volume Ø time measure and begin to record the following: Ø lengths and heights Ø mass/weight Ø capacity and volume Ø time (hours, minutes, seconds) 	 choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers; scales; thermometers and measuring vessels compare and order lengths; mass; volume/capacity and record the results using >, < and = 	 measure, compare, add and subtracti lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) 	 Convert between different units of measure [for example, kilometre to metre ; hour to minute] estimate, compare and calculate different measures 	 convert between different units of metric measure understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling 	 solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 dyp where appropriate use, read, write and convert between standard units; converting measurements of length; mass; volume and time from a smaller unit of measure to a larger unit; and vice versa; using decimal notation to up to 3 dyp; convert between miles and kilometres
Spring, 4 Spring, 5 Summer 6	Spring 3 Spring 4	Spring 2 Spring 4	Spring 2 Summer 3	Spring, 4 Summer 5 Summer 6	Autumr 5

National Curriculum Mapping. Money



Year I	Year J	Year 3	Year 4	Year 5	Year 6
 recognise and know the value of different denominations of coins and notes 	 recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value find different combinations of coins that equal the same amounts of money solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change 	 add and subtract amounts of money to give change, using both £ and p in practical contexts 	 estimate, compare and calculate different measures, including money in pounds and pence 	 use all four operations to solve problems involving measure [for example, money] 	
Summer 5	Spring l	Summer 2	Summer 2	Summer 3	

National Curriculum Mapping. Time



Year I	Year 2	Year 3	Year 4	Year 5	Year 6
 sequence events in chronological order using language [for example; before and after; next; first; today, yesterday; tomorrow; morning; afternoon and evening] recognise and use language relating to dates; including days of the week; weeks; months and years tell the time to the hour and half past the hour and draw the hands on a clock face to show these times 	 compare and sequence intervals of time tell and write the time to five minutes; including quarter past/to the hour and draw the <u>hands on</u> a clock face to show these times know the number of minutes in ar hour and the number of hours in a day 	 tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12 hour and 24 hour clocks estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight know the number of seconds in a minute and the number of days in each month; year and leap year compare durations of events [for example to calculate the time taken by particular events or tasks] 	 read, write and convert time between <u>analogue</u> and digital 12 - and 24-hour clocks solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days 	 solve problems involving converting between units of time 	 use, read, write and convert between standard units, converting measurements of time from a smaller unit of measure to a larger unit, and vice versa Note - In the WRM schemes, time conversions are covered in Y5; the Y6 block concentrates on metric units.
Summer 6	Summer 2	Summer 3	Summer 3	Summer 5	Autumn 5

National Curriculum Mapping. Perimeter, Area, Volume



Year I	Year J	Year 3	Year 4	Year 5	Year 6
		• measure the perimeter of simple 2D shapes	 measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres find the area of rectilinear shapes by counting squares 	 measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres calculate and compare the area of rectangles (including squares) and including using standard units, square centimetres (cm⁻²) and square metres (m⁻²) and estimate the area of irregular shapes estimate volume [for example; using blocks to build cuboids] and capacity [for example; using water] 	 recognise that shapes with the same areas can have different perimeters and vice versa recognise when it is possible to use formulae for area and volume of shapes calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units
		Spring 2	Autumn 3 Spring 2	Spring 4 Summer 6	Spring 5

National Curriculum Mapping. 2-D Shapes



Year I	Year 2	Year 3	Year 4	Year 5	Year 6
 recognise and name common 2 -D shapes [for example, rectangles (including squares), circles and triangles] 	 identify and describe the properties of 2 -D shapes, including the number of sides and line symmetry in a vertical line identify 2 -D shapes on the surface of 3 -D shapes; [for example, a circle on a cylinder and a triangle on a pyramid] compare and sort common 2 -D shapes and everyday objects 	• draw 2-D shapes	 compare and classify geometric shapes; including quadrilaterals and triangles; based on their properties and sizes identify lines of symmetry in 2 -D shapes presented in different orientations 	 distinguish between regular and irregular polygons based on reasoning about equal sides and angles. use the properties of rectangles to deduce related facts and find missing lengths and angles 	 draw 2-D shapes using given dimensions and angles compare and classify geometric shapes based on their properties and sizes illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
Autumn 3	Autumn 3	Summer 4	Summer 4	Summer I	Summer I



Year I	Year J	Year 3	Year 4	Year 5	Year 6
 recognise and name common 3 -D shapes [for example, cuboids (including cubes), pyramids and spheres] 	 recognise and name common 3 -D shapes [for example, cuboids (including cubes), pyramids and spheres] compare and sort common 3 -D shapes and everyday objects 	 make 3 -D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them 		 identify 3 -D shapes, including cubes and other cuboids; from 2-D representations 	• recognise, describe and build simple 3 -D shapes, including making nets
Autumn 3	Autumn 3	Summer 4		Summer I	Summer I

National Curriculum Mapping.



National Curriculum Mapping. Angles and Lines



Year I	Year J	Year 3	Year 4	Year 5	Year 6
		 recognise angles as a property of shape or a description of a turn identify right angles; recognise that two right angles make a half turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle identify horizontal and vertical lines and parallel lines 	 identify acute and obtuse angles and compare and order angles up to two right angles by size identify lines of symmetry in 2 D shapes presented in different orientations complete a simple symmetric figure with respect to a specific line of symmetry 	 know angles are measured in degrees: estimate and compare acute; obtuse and reflex angles draw given angles; and measure them in degrees identify: angles at a point and one whole turn (total 360°) angles at a point on a straight line an and ¹/₂ turn (total 180 °)³ other multiples of 90° 	 find unknown angles in any triangles; quadrilaterals; and regular polygons recognise angles where they meet at a point; are on a straight line; or are vertically opposite; and find missing angles
		Summer 4	Summer 4	Summer I	Summer I

National Curriculum Mapping. Position and Direction



Year I	Year 2	Year 3	Year 4	Year 5	Year 6
 describe position, direction and movement, including whole, half, quarter and three -quarter turns 	 order and arrange combinations of mathematical objects in patterns and sequences use mathematical vocabulary to describe position, direction and movement, including movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three -quarter turns (clockwise and anti - clockwise) 		 describe positions on a 2D grid as coordinates in the first quadrant describe movements between positions as translations of a given unit to the left/right and up/down plot specified points and draw sides to complete a given polygon 	 identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed 	 describe positions on the full coordinate grid (all four quadrants) draw and translate simple shapes on the coordinate plane, and reflect them in the axes
Summer 3	Summer 4		Summer 6	Summer 2	Summer 2

National Curriculum Mapping. Present and Interpret Data



Year I	Year J	Year 3	Year 4	Year 5	Year 6
	 interpret and construct simple pictograms; tally charts; block diagrams and simple tables 	• interpret and present data using bar charts; pictograms and tables	 interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs 	 complete, read and interpret information in tables, including timetables 	• interpret and construct pie charts and line graphs and use these to solve problems
	Summer 3	Summer 5	Summer 5	Spring 5	Spring 6

National Curriculum Mapping. Solve Statistical Problems



Year I	Year J	Year 3	Year 4	Year 5	Year 6
	 ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity ask and answer questions about totalling and comparing, categorical data 	 solve one -step and two -step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables 	 solve comparison; sum and difference problems using information presented in bar charts; pictograms; tables and other graphs 	 solve comparison, sum and difference problems using information presented in a line graph 	• calculate and interpret the mean as an average
	Summer 3	Summer 5	Summer 5	Spring 5	Spring 6

Arithmetic Overview

Year 3	Year 4	Year 5	Year 6
1. 2, 5 and 10 x multiplication facts	1. 2, 5, 10 x multiplication facts	1. Whole number column addition	1. Whole number column addition
2. 2, 5 and 10 x division facts	2. 3 and 4 x multiplication facts	2. Whole number column subtraction	2. Whole number column subtraction
3. 3 x multiplication facts	3. 6, 7, 8 x multiplication facts	3. Missing box with addition symbol	3. Missing box with addition symbol
4. 3 x division facts	4. 9, 11 and 12 x multiplication facts	4. Missing box with subtraction symbol	4. Missing box with subtraction symbol
5. 4 x multiplication facts	5. 2, 5, 10 x division facts	Multiply/ divide using known facts	5. Multiply/ divide using known facts
6. 4 x division facts	6. 3 and 4 x division facts	6. Add fractions same denominator	6. Add fractions same denominator
7. 8 x multiplication facts	7. 6, 7, 8 x division facts	7. Divide by 10, 100, 1000	7. Divide by 10, 100, 1000
8. 8 x division facts	8. 9, 11 and 12 x division facts	8. Square/ cube numbers	8. Square/ cube numbers
9. Find 10 more than a number up to 1000	9. Fractions of amounts	9. Add decimals	9. Add decimals
10. Find 10 less than a number up to 1000	10. 10, 100 or 1000 less	10. Short multiplication	10. Short multiplication
11. Number bonds to 20- addition	11. 10, 100 or 1000 more	11. Short division	11. Short division
12. Number bonds to 20- subtraction	12. Place value multiplication facts	12. Decimal subtraction	12. Decimal subtraction
13. Add three 1-digit numbers mentally	13. Place value division facts	13. Subtract fractions with same	13. Mixed number subtraction
14. Subtract two 3-digit numbers bridging 10	14. Column addition (4 digits)	denominator	14. Long division
15. Add two 3-digit numbers bridging 10	15. Column subtraction (4 digits)	14. Long multiplication	15. Long division
16. Missing numbers- addition symbol	16. Mentally multiply 3 numbers	15. Long multiplication	16. Subtract fractions different
17. Missing numbers- subtraction symbol	17. Roman numerals to 1000	16. Subtract fractions different	denominator
18. Add fractions with the same	18. Equivalent fractions	denominator	17. Decimal multiplication
denominator (within 1)	19. Short multiplication (2 x 1 digit)	17. Decimal multiplication	18. 5/6 digit column subtraction
19. Subtract fractions with the same	20. Add fractions (same denominator)	Column subtraction (> 4 digits)	19. 5/6 digit column addition
denominator (within 1)	21. Short division	19. Column addition (> 4 digits)	20. Whole number subtract decimal
20. Mentally add a 3-digit number and ones	22. Subtract fractions (same denominator)	20. Whole number subtract decimal	21. Long multiplication
21. Multiply 2-digit by 1-digit	23. Multiply by 0 and 1, divide by 1	21. Long multiplication	22. Multiply fraction by whole number
22. Find 100 more than a number to 1000	24. Compare numbers beyond 1000	22. Multiply fraction by whole number	23. Percent of number multiplication
23. Find 100 less than a number to 1000	25. Find whole number from fraction	23. Short multiplication	symbol
24. Divide a 1-digit number by 10	26. Dividing by 10	24. Short division	24. BODMAS
25. Add amounts of money	27. Dividing by 100	25. Multiply mixed number by whole	25. Divide fraction by whole number
26. Subtract amounts of money	28. Short multiplication (3 x 1 digit)	number	26. Multiply pairs of fractions
27. Mentally add a 3-digit number and tens	29. Decimal equivalents of hundredths	26. Convert metric units	27. Percent of number
28. Divide 2-digit number by 1-digit	30. Decimal equivalents of tenths	27. Percent of number	28. Long multiplication
29. Mentally add a 3-digit number and	31. Decimal equivalents of 1/4, 1/2 and	28. Long multiplication	29. Multiply by 10, 100, 100
hundreds	3/4	29. Multiply by 10, 100, 100	30. Fraction of number
30. Mentally subtract a 3-digit number and	32. Converting units of time	30. Fraction of number	31. 10, 100, 1000 more
ones	33. Converting units of measure	31. 10, 100, 1000 more	32. 10, 100, 1000 less
31. Mentally subtract a 3-digit number and	34. Missing box times table facts	32. 10, 100, 1000 less	33. Add fractions different denominator
tens	35. Missing box with addition symbol	33. Add fractions different denominator	34. Find whole number from fraction
32. Mentally subtract a 3-digit number and	36. Missing box with subtraction symbol	34. Find whole number from fraction	35. Wissing box division symbol
nunareas		35. IVIISSING DOX CIVISION SYMDOI	so. IVIISSING DOX MUITIPIICATION SYMBOL,
33. Add two 3-digit numbers not bridging 10		36. Wilssing box multiplication symbol	
54. Subtract two 3-digit numbers not bridging 10			
35. Missing numbers- multiplication symbol			

36. Missing numbers- division symbol

Arithmetic Overview