	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18
(EYFS) Reception Maths Strand	**Number and place value**	**Number- Addition and subtract ion**	**Number and place value**	**Number- Addition and subtraction**	**Measureme nt - Time**	**Number - Addition and subtraction**	**Number and place value**	**Number and place value**	**Number - Addition and subtraction**	**Number - Addition and subtraction**	**Geometry – Properties of shape**	**Geometry – Properties of shape**	**Number - Addition and subtraction**	**Number and place value**	**Number - Multiplicatio n and division**	**Number and place value**		
New key vocabulary	1, 2, 3, 4, 5, one, two, three, four, five, number, count, forwards, backwards, how many, total, altogether, five frame,	sort, group, describe, objects, more than, same, different, odd one out	more, fewer, same, different, represent, match, compare, equal, less than, fewer than, greater than, equal amount	none, zero, how many, first, then, now, one less, one more, order, fewer, take away, add, altogether,	first, next, later, then, before, after, time, clock, o'clock	parts, whole, part-whole model, how many, count, counting, more than, same, different	six, seven, eight, nine, ten, 6, 7, 8, 9, 10, ten frame, count, how many, total, altogether, count forwards, count backwards, same, different, odd one out , more, fewer, collections, group, dice, method	more, fewer/fewest, greater/great est, smaller/smalle st, large/largest, taller/tallest, shorter/shortes t, compare, how many/how many more, different/differ ence	count, part, whole, altogether, how many, total, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, addition, adding together, counting, more, fewer	group, how many more, how many fewer, more than, fewer than, less than, each, ten frame, part-whole model, whole, part, bead string, missing number, one more, one less, add, number bond to 10	in, on, below, under, above, in front, behind, next to, up, down, across, forwards, backwards, left, right , roll, stack, curved, straight, round, corners, face, edge, sides, square, rectangle, circle, triangle, sphere, cube, cuboid, cylinder, cone, big, little, flat, pointy	next, continue repeat, core cube, round, pattern, size, shape, colour, action, elements, bigger, smaller, same, different, tall, short, stripes, squares	jump forwards, jump back, more, less, before, after, add, take away, forwards, backwards, direction, moves, start, stop, first, then, now, finish, altogether, total, number track/line, dice, largest, smallest, possibilities	eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 represent, show, more, less, fewer, how many, altogether, largest, smallest , order, compare	double, equal groups, double facts, doubling, more, continue, pattern, next, predict, groups, more, fewer, less, amount, five frame, counters, dice, domino, number track/ line, represent half, fair share, equal, unequal, odd, even	large, larger, largest, bigger, small, smaller, heavy, heavier, heaviest, light, lighter, lightest, equal, balanced, the same, balance scales, weigh, weight, check, estimate, predict, check, measure, compare, order		
Content	Counting to 5 Show interest , curiosity in number and offer comments and ask questions	Sorting into two groups- exploring everyday objects	Compare groups within 5 (identical and nonidentical objects) *Pre requisite – count on and back and add and sub single digit numbers*	Change within 5 – one more / one less	All about my day – using everyday language to discuss time	Number bonds to 5 – Introduce the part whole model *Pre requisite – count on and back to find an answer and add and sub single digit numbers*	Counting to 10 and counting to numbers within 10 Place numbers in order	Compare numbers to 10	Addition to 10 – combine two groups to find a whole	Number bonds to 10 Use a ten frame The part whole model to 10 *Pre requisite – count on and back to find an answer and add and sub single digit number*	Spacial awareness 2D shapes 3D shapes Explore everyday objects and shapes	Make simple patterns Explore more complex patterns	Adding by counting on Taking away by counting back	Counting to 20 Place numbers in order	Doubling Halving Sharing Odd and even	Length , height and distance Weight Volume and capacity Everyday language to talk about the above		
Year 1 - Maths strand	**Number and place value**	**Number- Addition and subtract ion**	**Number- Addition and subtraction**	**Number- Addition and subtraction**	**Geometry – properties of shape**	**Number and place value**	**Number- Addition and subtraction**	**Number- Addition and subtraction**	**Number and place value**	**Measureme nt – height and length**	**Measureme nt – weight and volume**	**Number- Multiplicatio n and division**	**Number- Multiplicatio n and division**	**Number – Fractions**	**Geometry – Position and direction**	**Number and place value**	**Measureme nt – Time**	**Measureme nt – Money**
New key vocabulary	Sort, group, digit , pattern, fewer, greater, less than, more than , equal, one more, one less	Group, plus , part whole model , whole , part, number sentence	Altogether, total, plus , add, count on missing part	How many left?, take away, subtract, subtraction , addition, forwards, backwards, count on/back, difference	3D , 2D , cube , cuboid, sphere, pyramid, cylinder, cone, circle, triangle, square, rectangle, face	Tens, ones, more, fewer, order, smallest	Predict	Take away , fact family	Tens , ones , compare , order, less than , greater than	Shorter , taller, longest, shortest, distance , ruler, centimetre	Heavier , lighter, balance scale, weight , full , empty, capacity	Equal groups, row , array, columns, double, twice	Share	Halves , half , quarter	Turn , half turn , quarter turn , three quarter turn, whole turn , position , left , right, forwards, backwards, top, below , middle, up , down, between	100 square , number square , place value grid	Before, after, yesterday , today, tomorrow, day, week, date, calendar, year , month, minute. O'clock, hour, half past second , faster , slower	Pound (£) , pence (p), coin, note

Content	Numbers to 10 Counting , Identifying and representing numbers Writing numbers Counting forwards and backwards One more	Part whole within10 Using related facts Read, write and interpret mathematical statements + - = Representing and using numbers bonds	Addition within 10 Finding the whole -adding together Finding the whole -adding more on Finding a part Finding and making number bonds	Subtraction within 10 Subtract - How many left? Subtract - Breaking apart Related facts addition and subtraction Subtract - Counting back	2D and 3D shapes Naming 3D shapes Naming 2D shapes Making patterns with shapes	Numbers to 20 Identify , count, represent and write numbers to 20 Tens and ones Counting one more /less Comparing numbers and objects	Addition within 20 Add by counting on Adding ones Finding numbers bonds Add by making ten	Subtraction within 20 Subtracting ones Subtracting tens and ones Subtract – crossing ten Related addition and subtraction facts to 20	Numbers to 50 Tens and one to 50 Representing numbers to 50 Comparing numbers and objects to 50 Ordering numbers and objects to 50	Introducing height and length Comparing lengths and height Non-standard units Length- Using a ruler	Introducing weight and volume Comparing weight Measuring weight Measuring to compare weight Comparing capacity	Multiplication Counting in 10s, 5s and 2s Making equal groups Adding equal groups Making simple arrays Making doubles	Division Making equal groups Sharing equally Solving word problems – division	Halves and quarters Finding halves Findings quarters Solving word problems – halves and quarters	Position and direction Positional language - Half , whole and three quarter turns Describing turns Describing positions	Numbers to 100 Counting to 100 Exploring number patterns Partitioning numbers Comparing numbers	Time Using before and after Using a calendar Telling time to hour Telling time to the half hour Writing time (hours,	Money Recognising coins Recognising notes Counting with coins (link to multiples of 2,5, and 10)
	One less Comparing objects and numbers Ordering objects and numbers 1st , 2nd , 3rd Intro number line	Finding and comparing and making number bonds	Find addition facts Solving addition one step word problems Read, write and interpret mathematical statements + - =	Subtract - Finding the difference Solving addition and subtraction one step word problems Compare addition and subtraction Read, write, interpret mathematical statements + - =		Ordering numbers and objects	Solving addition one step word problems	Comparing addition and subtraction Solving one step subtraction / addition word and picture problems	Counting in 2s Counting in 5s Solving addition and subtraction one step word problems Using signs < > =	Solving word problems length	Measuring capacity Measuring to compare capacity Solve word problems – weight and capacity	Solving word problems – multiplication				Ordering numbers Bonds to 100	minutes, seconds) Comparing time (slower, faster, earlier, later) Solving word problems – time	
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18
Year 2 – Maths strand	**Number and place value**	**Number- Addition and subtract ion**	**Number- Addition and subtraction**	**Measureme nt – Money**	**Number- Multiplicatio n and division**	**Number- Multiplicatio n and division**	**Statistics**	**Measureme nt – height and length**	**Geometry – properties of shape**	**Number – Fractions**	**Geometry – Position and direction**	**Number- Addition and subtraction- Problem solving and efficiency**	**Measureme nt – Time**	**Measureme nt – weight, volume and temp**				
New key vocabulary	Tens, ones, place value grid, partition, fewer, more greatest	10 more , 10 less . column	Total , difference , subtract, bar model , represent	Pound (£), pence (p) , coin , note , change	Multiplication , times table , equal , times	Divide , even , odd	Tally chart , pictogram , key	Length , centimetre , metre , metre stick, height , width , compare , distance	Quadrilateral, polygon, pentagon, hexagon, vertex, vertices, line of symmetry, symmetrical, octagon, hemisphere, curved, surface, edge, prism	Whole, equal, equal, parts, ½ fraction, denominator, fraction bar, numerator, ¼ third, 1/3 , unit fraction, nonunit fraction, equivalent, ¾	Anticlockwise, clockwise	number fact, calculate, mentally, bar model, number line, part-whole model, 100 square, partition,	o'clock ,half past, quarter past, quarter to, minute hand , hour hand , duration quarter past, quarter to, duration	Mass, balance, weighing, scales, gram (g), kilogram (kg) , litre (l) , millilitre (ml), volume, capacity, temperature, thermometer, degrees, Celsius (°C), estimate, approximation			

Content	Counting, representing numbers to 100 Tens and ones Representing on a place value grid Comparing numbers Ordering numbers Counting in 2 ,5 and 10s Counting in 3s	Related facts – addition/ subtraction Using numbers facts to check calculations Comparing number sentences Making numbers bonds to 100 Adding and subtracting Ones Finding 10 more / less Adding and subtracting tens Adding / subtracting 2 and 1 digit numbers	Adding two 2 digit numbers Subtracting 2 digit numbers Adding 3 one digit numbers Solving word problems – bar model	Money Counting coins Counting notes Counting money – coins and notes Showing equal amount of money Comparing equal amounts of money Calculating totals of money Finding change Money – two step word problems	Multiplication Making equal groups Multiplication as equal groups Adding equal groups Multiplication sentences Using arrays 2, 5 and 10 times tables Solving word problems – multiplication	Division Making equal groups Sharing equal groups Dividing by 2 Odd and even Divide by 5 , 10 Bar modelling – grouping Bar modelling – sharing Solving word problems – division	Making tally charts Creating pictograms Interpreting pictograms Block diagrams Solving problems – statistics	Measuring in centimetres and metres Comparing lengths Ordering lengths Solving problems- length	Recognising 2D and 3D shapes Drawing 2D shapes Counting sides and vertices of 2D shapes Finding lines of symmetry Sorting 2D shapes Making patterns with 2D shapes Counting faces , edges and vertices of 3D shapes Sorting 3D shapes Making patterns with 3D shapes	Introducing parts and wholes Making equal parts Recognising and finding a half Recognise and find a quarter Unit fractions Understanding other fractions ½ and 2/4 equivalent Finding ¾ Understanding a whole and parts Counting In halves and quarters	Describing movement Describing turns (quarter , half , three quarter , clockwise and anticlockwise) Making patterns with shape	Problem solving with money Using numbers facts and equivalence Using a 100 square Problem solving – part whole Missing numbers Mental addition and subtraction Efficient subtraction Solving problems – all four operations	Telling and writing the time to the nearest hour and half hour and quarters Telling the time 5 minute Minutes in an hours Finding durations of time Comparing durations of time Finding the start and end time Hours in a day	Compare mass in G and KG Comparing volume ML and L Reading and measuring temperature using a thermometer				

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18
Year 3 – Maths strand	**Number and place value**	**Number- Addition and subtract ion**	**Number- Addition and subtraction**	**Number- Multiplicatio n and division**	**Number- Multiplicatio n and division**	**Measure – Money**	**Statistics**	**Measureme nt – height and length**	**Number – Fractions**	**Number – Fractions**	**Measureme nt – Time**	**Geometry – angles properties of shape**	**Measureme nt – mass**	**Measureme nt – capacity**				
New key vocabulary	hundreds (100s), tens (10s), ones (1s), place value, more, less, greater than (>), less than (<) , equal to, order, compare, estimate, exchange	Addition, subtraction, mental method, column method, exchange	Multiple, approximately	Multiplication, sentence, repeated addition, division, statement, times-table, remainder, division fact	Remainder, share, partition, multi-step	pounds (£), pence (p) , convert, total , difference, change	bar chart, vertical, axis, scale	m , cm , millimetre (mm) , perimeter	equal parts, whole unit, fraction, equation, integer, nonunit fraction, numerator, denominator , mixed number, whole number, tenth interval,	equivalent whole , greater than , (>) less than (<)	Midnight, midday, duration , estimate, past, to, duration digital clock, analogue clock, ante meridiem (am) post meridiem (pm)	right angle, acute, obtuse, parallel, perpendicular, vertical, horizontal, triangle, quadrilateral, kite, trapezium rhombus, parallelogram, cuboid, triangular prism , squarebased pyramid, cone , cylinder ,sphere ,edge face, vertices clockwise, anticlockwise	mass ,weigh measure, scale, interval gram (g), kilogram (kg)	Capacity, litre (l). millilitre (ml) , scale interval, convert				

Content	Counting n 100s Representing numbers up to 1000 Place value within 1000 – 100, 10s and 1s Number line to 1000 1, 10 and 100 more and less Comparing and ordering numbers to 1000 Counting in 50s	Adding and subtracting 100s Adding and subtracting 3 digit numbers and 1s and 10s Adding and subtracting 3 digit numbers and 2 digit numbers	Addition and subtraction patterns (adding 1, 10 and 100s) Adding two 3 digit numbers Subtracting a 3 digit from a 3 digit Estimating answers Checking strategies Solving problems	Multiplication equal groups Multiply 3 Dividing 3 3 times-table Multiply 4 Dividing 4 4 times-table Multiply 8 Divide 8 8 times-table Problem solving – mult and division Understanding divisibility Related facts mult and division	Comparing multiplication and division statements Related multiplication and division calculation Multiplying 2 digit and 1 digit Dividing 2 digit and 1 digit How many ways? (finding all the possibilities – rules) Problem solving	Values of pounds and pence and totals Converting pounds and pence Adding money Subtracting amounts Problem solving	Pictograms Bar charts Tables	Measuring lengths Equivalent lengths – metres and centimetres Equivalent lengths – centimetres and millimetres Comparing length Adding and subtracting lengths Measuring perimeter Problem solving lengths	Unit and nonunit fractions Making a whole Tenths Fractions as number Fractions of a set of objects Problem solving fractions	Equivalent fractions Comparing fractions Ordering fractions Adding fractions Subtracting fractions Problem solving – adding and subtracting fractions Problem solving – fractions of measure	Months and years Hours in a day Estimating time Telling the time to 5 min Finding durations Comparing durations Finding start and end times Measuring time in seconds	Turns and angles Right angles in shapes Comparing angles Drawing accurately Types of lines Recognising and describing 2D shapes Recognising and describing 3D shapes Constructing 3D shapes	Measuring mass Comparing masses Adding and subtracting masses Problem solving – Mass	Measuring capacity Comparing capacity Adding and subtracting capacity Problem solving capacity				
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18
Year 4 – Maths strand	**Number and place value**	**Number and place value**	**Number- Addition and subtract ion**	**Measure – perimeter**	**Number- Multiplicatio n and division**	**Number- Multiplicatio n and division**	**Measure – area**	**Number – Fractions**	**Number – Fractions**	**Number – Fractions – decimals**	**Number – Fractions- decimals**	**Measure – Money**	**Measure – Time**	**Statistics**	**Geometry – angles properties of shape**	**Geometry – position and direction**		
New key vocabulary	Thousands, rounding, order , more than (>), less than (	Ascending , descending rounding , negative, step, multiple	Strategy, efficient, accurate, exact, diagram	kilometre (km), equivalent to, width , length , rectilinear , shape	Multiply , divide	Array, bar model , partwhole model , remainder , factor pair , factor , commutative	Area, rectilinear, quadrilateral, reflection , rotation	Tenths, hundredths, equivalent, simplify, numerator, denominator , mixed number, improper fraction, simplest fraction	Hundredth, simplest fraction, simplify, improper fraction	Decimal, decimal point	0·1 and 0·01, equivalent, whole number	Notes, coins, pound , pence, cheaper, more expensive, over estimate , under estimate, total , notation	12-hour, 24hour, analogue, digital, am/pm	Data, line graph, bar chart, table, continuous, data, compare	interior angle, regular, irregular, isosceles, scalene, equilateral, reflective, symmetry	Coordinates, plot, vertex, vertices, point grid		

Content	Numbers to 1000 Rounding to the nearest 10 , 100. Counting in 1000s Representing 4 digit numbers 1000s, 100s, 10s and 1s Number line to 10,000 Roman numerals to 100	Finding 1000 more and less Compare 4 digit numbers Ordering numbers to 10,000 Round to nearest 1000 Problem solving – rounding Counting in 25s Negative numbers	Adding and subtracting 1s , 10s, 100s and 1000s Adding two 4 digit numbers Subtracting two 4 digit numbers Equivalent difference – subtraction Estimating answers addition and subtraction Checking strategies – inverse Problem solving addition and subtraction	Kilometres Perimeter of a rectangle Perimeter of a rectilinear shape	Multiplying multiples of 10 and 100 Dividing multiples of 10 and 100 Multiplying by 1 and 0 Divide by 1 Multiply and divide by 6 6 times tables Multiply and divide by 9 9 times tables Multiply and divide by 7 7 times Tables 11 and 12 times tables	Problem solving additional and multipl Problem solving – mixed Written methods to multiply – expanded method/ partitioning Multiply a 2 and 1 digit number Multiply a 3 and 1 digit number Problem solving – multiplication Multiplying more than two numbers Problem solving – mixed corresponden ce problems Dividing 2 and 1 digit numbers Division with remainders Dividing a 3 digit number by a 1 digit number Problem solving – division	Area – counting squares Area – making shapes Comparing area	Tenths and hundredths Equivalent fractions Simplifying fractions Fractions greater than 1	Adding fractions Subtracting fractions Problem solving – adding and subtracting fraction Calculating fractions of a quantity Problem solving – fractions of a quantity	Tenths Dividing by 10 Hundredths Dividing by 100 Dividing by 10 and 100	Making a whole Writing a decimal Comparing a decimal Ordering a decimal Rounding a decimal Halves and quarters Problem solving decimals	Pounds and pence Pounds , tenths and hundredths Ordering amount of money Rounding money Using rounding to estimate money Problem solving pence and pound Problem solving – multiplication and division Solving two step problems Problem solving money	Units of time Converting time Problem solving – units of time	Charts and tables Line graphs Problem solving – graphs	Identifying angles Comparing and ordering angles Identifying regular and irregular shapes Classifying triangles Classifying and comparing quadrilaterals Deducing facts about shapes Line symmetry inside shapes Line symmetry outside shapes Completing a symmetric figure Completing a symmetric shapes	Describing a position Drawing on a grid Reasoning on a grid Moving on a grid Describing movement on a grid		
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18
Year 5 – Maths strand	**Number and place value**	**Number and place value**	**Number- Addition and subtract ion**	**Statistics**	**Number- Multiplicatio n and division**	**Measure – area and perimeter**	**Number- Multiplicatio n and division**	**Number – Fractions**	**Number – Fractions**	**Number – Fractions**	**Number – decimals and percentage**	**Number - Decimals**	**Geometry – properties of shape**	**Geometry – properties of shape**	**Geometry – position and direction**	**Measureme nt – converting units**	**Measureme nt – volume and capacity**	
New key vocabulary	thousands (1,000s), ten thousands (10,000s), convert	thousands (1,000s), ten thousands , (10,000s) hundred thousands, (100,000s), million (1,000,000)	Mentally, invers, round, estimate, distance , chart	dual line graph, twoway table, scale, axis/axes, plot, tally	prime number, composite number, square number, cube number, square (2), cube (3), multiple, factor , prime factor	square centimetre (cm2), square metre (m2), scale formula , brackets	Remainder, sum, total	equivalent , simplify , expand , improper , mixed number , convert	common denominator	equivalent , simplify , expand , improper , mixed number , convert, common denominator	thousandth , one decimal place, two decimal places , per cent (%)	Tenth, hundredth, thousandth, decimal point, decimal place	acute angle, obtuse angle, reflex angle, degree (°) , interior angle, orientation	top view , plan view, side view	Reflection, translation , vertex, vertices , coordinates , mirror line , horizontal axis , vertical axis	'kilo', 'milli' , inch (in,) foot (ft), imperial unit , yard (yd) , pound (lb), ounce (oz), stone (st) , pint gallon	volume , cube cuboid, 3D shape, solid, capacity , calculate , estimate , unit cube	

Content	Numbers to 10,000 Rounding to the nearest 10 , 100 and 1000 10,000s , 1000s , 100s, 10s and 1s The number line to 100,000 Comparing and ordering numbers to 100,000 Rounding numbers within 100,000 Roman numerals to 10,000	100,000s , 10,000s , 1000s , 100s , 10s and 1s Number line to 1,000,000 Comparing and ordering numbers to 1,000,000 Rounding numbers to 1,000,000 Negative numbers Counting in 10s, 100s, 1000s, and 10,000s Number sequences	Adding whole numbers with more than 4 digits Subtraction whole numbers with more than 4 digits Using rounding to estimate and check answers Mental addition and subtraction – partitioning / round and adjust / count on Using inverse operations Problem solving addition and subtraction	Interpreting tables Two way tables Interpreting line graphs Drawing line graphs	Multiples Factors Prime numbers Using factors Squares Cubes Inverse operations Multiplying whole numbers by 10, 100 ,1000 Dividing whole numbers by 10 , 100 and 1000 Multiplying and dividing by multiples of 10,100 and 1000	Measuring perimeter Calculating perimeter Calculating area Comparing area Estimating area	Multiplying numbers up to 4 digit by 1 digit Multiplying 2 digit numbers Multiplying a 3 digit number by a 2 digit Multiplying a 4 digit number by a 2 digit number Dividing a 4 digit number by a 1 digit number Division with remainders Problem solving – division with remainders	Equivalent fraction Converting improper fractions to mixed numbers Converting mixed numbers to improper fractions Number sequences- fractions Comparing and ordering fractions Fractions as division	Adding and subtracting fractions with the same denominator Adding and subtracting fractions Adding fractions Subtracting fractions Problem solving – mixed word problems – fractions	Multiplying fractions Calculating fractions of amounts Using fractions as operators Problem solving – mixed word problems	Writing decimals Decimals as fractions Understanding thousandths Writing thousands as decimals Ordering and comparing decimals Rounding decimals Understanding percentage Percentage as fractions and decimals Equivalent fractions , decimals and percentages	Adding and subtracting decimals Decimal sequences Problem solving decimals Multiplying decimals by 10 Multiplying decimals by 10, 100 and 1000 Dividing decimals by 10 Dividing decimals by 10 , 100 and 1000	Measuring angles in degrees Measuring with a protractor Drawing lines and angles accurately Calculating angles on a straight line Calculating angles around a point Calculating lengths and angles in a shape	Recognising and drawing parallel lines Recognising and drawing perpendicular lines Reasoning with parallel and perpendicular lines Regular and irregular polygons Reasoning about 3D shapes	Reflection Reflection and coordinates Translation Translation and coordinates	Metric units (KG/G – KM / M / CM / MM) Imperial units of lengths - Feet / yards inches Imperial units of mass - lb / oz Imperial units of capacity - gallon / pints Converting units of time Timetables Problem solving – measure	Volume Comparing volume Estimating volume	
	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13	Unit 14	Unit 15	Unit 16	Unit 17	Unit 18
Year 6 – Maths strand	**Number and place value**	**Number-Addition, subtract ion, multiplicatio n and division**	**Number-Addition, subtract ion, multiplicatio n and division**	**Number – Fractions**	**Number – Fractions**	**Geometry – position and direction**	**Number – decimals**	**Number – percentage**	**Algebra**	**Measureme nt – imperial and metric**	**Measureme nt – perimeter , area and volume**	**Ratio and proportion**	**Geometry – properties of shape**	**Problem Solving**	**Statistics**			
New key vocabulary	ten thousands (10,000s), hundred thousands (100,000s) , millions (1,000,000s) , ten million (10,000,000)	column addition, column multiplication, short division , long division, remainder , factor , estimate	factor , common factor , common multiple, prime, composite , squared (2) , cubed (3) , order of operations , brackets , inverse , operation	common factor, highest common factor, lowest common multiple (LCM), lowest common denominator	equivalent , simplify, simplest form, proper fraction, improper fraction, mixed number, convert,	Quadrant, four quadrants, translate, translation , xaxis, y-axis, horizontal , vertical, vertex, reflect reflection	decimal place (dp,) recurring decimal , placeholder	(%) percentage	Term, algebra , expression, formula, substitute, generalise,	conversion table, conversion graph	square centimetre (cm2), square metre (m2) , base , estimate , formula , compound shape , cubic centimetre (cm3), cubic metre (m3)	ratio , scale , factor similar	Angles, radius, concentric, diameter, circumference net, tetrahedron	Ratio, proportion, convert, common denominator , coordinates, translation , reflection vertex , scaling , isosceles ,	Average, mean, pie chart, segment			

Content	Read , write , order and compare numbers to 10,000,000 Know the value of digits in a number up to 10,000,000 Number line to 10,000,000 Rounding numbers to 10,000,000 Negative numbers and calculating intervals across zero	Problem solving with addition and subtraction using written methods (multi step) Multiplying 4 digit and 1 digit numbers Multiplying 4 digit and 2 digit numbers (long multiplication) Dividing 4 digit and 2 digit numbers (remainders / short division)	Common factors Common multiples Prime numbers up to 100 Squares and cubes Order of operations Brackets Mental calculation(compensating) Reasoning from known facts	Simplifying fraction Fractions on a number line Comparing and ordering fractions Adding and subtracting fractions Problem solving – adding and subtracting fraction	Multiplying a fraction (proper and mixed) by a whole number Multiplying a fraction by a fraction (simplest form) Dividing a fraction (proper) by a whole number Four rules with fractions (correct order of operations) Calculating fraction of amounts	Plotting coordinates in the first quadrant Plotting coordinates Plotting translations and reflections Reasoning about shapes with coordinates	Multiplying by 10 , 100 and 1000 Dividing by multiples of 10, 100 and 1000 Decimals as fractions Fractions as decimals Multiplying decimals Dividing decimals	Recall and use equivalence between simple fractions, decimals and percentages Calculation of percentages Percentage for comparison Finding missing values Converting fractions to percentage Equivalent fractions ,	Finding a rule Using a rule Formulae Solving equations Express missing number problems algebraically Equations with two unknown Enumerate possibilities of combinations of two variables	Metric measures (length , mass , volume and time / decimals) Converting metric measures Problem solving metric measures Miles and KM Imperial measures (length , mass, volume and time)	Shape with the same area Area and perimeter Area of a parallelogram Area of a triangle Problem solving area Problem solving perimeter Volume of a cuboid	Ratio Scale drawings Scale factors Similar shapes Problem solving ration and proportion	Measuring with a protractor Drawing shapes accurately Angles in triangles Angles in polygons Vertically opposite angles Equal distance Parts of a circle Nets	Problem solving – place value Problem solving – negative numbers Problem solving – addition and subtraction (estimations to check) Problem solving – all four operations Problem solving - fractions	The mean Intro pie charts Reading and interpreting pie charts Fractions and pie charts Percentages and pie charts Interpreting line graphs Constructing line graphs			
					Problem solving – fractions of amounts			decimals and percentage Mixed problem solving						Problem solving – decimals Problem solving – percentage Problem solving – Ratio and proportion Problem solving – time Problem solving – position and direction Problem solving – properties of shape				