

Section- Number	Y2	Y3	Y4	Y5	Y6
Read, Write and Order	-Numbers to at least 100 in numbers and words  -Compare and order numbers from 0 up to 100 using <, > = signs.	Up to 1000	1000 and beyond (to 1dp)	1,000,000 (to 2dp)	10,000,000 (up to 3dp)
Rounding			10,100,1000 Up to 1dp	10,100,1000,10,000 Up to 2dp	Any number up to millions (including up to 3dp).
Negative Numbers				Count forwards /backwards through 0	-Add and subtract negative numbers -Read on scales
Roman Numerals			Numbers up to 100	Numbers up to 1000	Numbers up to 1000
Counting on and back	Count on in steps of 2, 3, 5 from 0 and in 10s from any number forwards/backwards.	-Count on from 0 in multiples of 4, 8, 50, and 100  -Find 10, 100 more/less	-Count on from 0 in multiples of 4, 8, 50, and 100 and 1000	Any number	Any number
Addition	- 2 digit + 1s - 2 digit + 10s - 2 digit + 2 digit - Add 3, 1 digit numbers	3 digit formal	4 digit formal	More than 4 digit formal and mental	Any number using formal column method. Use mental strategies to add large numbers
Subtraction	-2 digit - 1s -2 digit - 10s -2 digit - 2digit -subtract 3, 1 digit numbers	3 digit formal	4 digit formal	More than 4 digit formal and mental	Any number using formal column method (and mental strategies)
Multiplication	Recall and use multiplication facts for the 2,5 and 10 tables, including recognising odd and even.	2 digit by 1 formal (baking tray)	2/3 digit by 1 formal (baking tray)  X and ÷ by 10, 100	Up to 4 by 1/2 digit formal (long formal )  X and ÷ by 10, 100, 1000	Up to 4 by 2 Digit formal (short formal)  X and ÷ by 10, 100, 1000, 10,000

Division	Division related to grouping and sharing discrete and continuous quantities, to arrays and to repeated addition.	Linked and Inverse facts.	Linked and inverse facts.	-Divide numbers up to 4 digits by 1 digit using formal method (bus stop) -leave remainders as R	-Divide numbers up to 4 digits by 1 / 2 digits using formal method (bus stop) -Remainders into fractions/decimals)
Times Tables	2,5,10	2, 5, 10, 3, 4, 8	6. 7. 9. 11. 12 (all up to 12 x 12)	All up to 12 x 12	-All up to 12 x 12 -BIDMAS
Factors, Multiples/Squared /Cubed and Prime Numbers	Counting in multiples of 2, 5 and 10	Counting in multiples of 4, 8, 50, 100	Counting in multiples of 6, 7, 9, 25, 100, 1000	Understand all terms and apply to problem solving.	Understand all terms and apply to problem solving.
Fractions	-Recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity  -Understand $\frac{1}{2}$ e.g. $\frac{1}{2}$ 6=3	-Count in 10ths -Equivalent fractions $\frac{1}{2}$ $\frac{1}{5}$ $\frac{1}{10}$ $\frac{1}{3}$ $\frac{1}{4}$  -Add, subtract and order with the same denominator.	-Equivalent fractions (all times tables) Count in 100ths  -Add, subtract and order with the same denominator.	-Equivalent and simplify fractions  -Add, subtract, compare and order fractions with linked denominators (2, 4, 8) -Mixed to improper  -Multiply fractions	-Equivalent and simplify fractions  -Add, subtract, compare and order fractions with different denominators. -Mixed to improper  -Multiply fractions.  -Divide fractions.
Percentages		Vocabulary linked to percentage e.g. $\frac{1}{2}$ = 50%	-Recognise the percentage symbol and acknowledge the relationship (FDP)  -Find 10% and 1% of an amount.	-Understand the relationship with FDP $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{4}{5}$  -Fractions with a denominator of 10 or 25  -Find 10% 5% or 1% of an amount (and multiples)	-Understand the relationship between FDP  -Convert between FDP  -Find any percentage of an amount.
Decimals			-Compare decimals up to 1 dp  -Decimals and fraction equivalence	-Relationship between (FDP)  -Round to 2dp  -Read write, order up to 3 dp	-Relationship between (FDP)  -Round to 2dp  -Read write, order up to 3 dp

Section - Statistics	Y2	Y3	Y4	Y5	Y6
Charts	Interpret and construct simple pictograms, tally charts, block diagrams and tables.	-Interpret data using bar charts, pictographs and tables.  - Read and interpret scales (2,5,10)	-Interpret data using bar charts, pictographs and tables.  -Draw line graphs  -Read and interpret scales	-Solve comparison and difference problems using information on a line graph. -Timetables -Read and interpret scales (convert measures)	-Interpret and construct pie charts and line graphs and use these to solve problems.  -Read and interpret scales (convert measures)  -Time tables
Mean, Median, Mode, Range		Find the Range	Find the Range/mode	Mean, median, mode, range	Mean, median, mode, range

Section - Algebra	Y2	Y3	Y4	Y5	Y6
Algebra					-Use simple formulae.  -Generate and describe linear number sequences.  -Express missing number problems algebraically.  - Find missing numbers, lengths, coordinates and angles.  -Find pairs of numbers that satisfy an equation with 2 unknowns.  -Equivalent expressions ( $a + b = b + a$ )

Section - Ratio and Proportion	Y2	Y3	Y4	Y5	Y6
Ratio and Proportion					-Solve problems involving similar shapes when the scale factor is known or can be found.  -Use ratio when comparing quantities, size and scale using the notation a:b  -Solve problems involving the calculation of percentages (15% of 360)  -Pupils solve problems using unequal quantities e.g. for every egg you need 3 spoonful's of flour.  - Solve problems involving relative sizes of 2 quantities where missing values can be found by using multiplication and division facts.

Section - Measurement	Y2	Y3	Y4	Y5	Y6
Lengths/ Weight	Choose and use appropriate standard units to estimate and measure length/height in any direction (cm/m)	Add and subtract lengths using - - mm,cm,m - g, kg - ml, l	Convert between all units of metric measurements - mm,cm,m,km, - g ,kg - ml, l	Convert between all units of metric measurements -,m,cm,m,km - g, kg - ml, l	Convert between all units of metric measurements - mm,cm,m,km, kg - g,kg - ml, l  -Convert between miles/ kilometers
Area & Perimeter		Measure the perimeter of 2D shapes	Measure and calculate the Area and Perimeter of rectangles/ squares by counting squares	Measure and calculate Area and Perimeter of compound shapes	Measure and calculate Area and Perimeter of compound shapes (including missing lengths)
Time	Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times	Tell and write the time from analogue. Including 24 hour  -Calculate time taken between particular events	Tell and write the time from analogue and digital and convert between the two	Tell and write the time from analogue and digital and convert between the two	Tell and write the time from analogue and digital and convert between the two
Time Facts	Minutes in an hour Hours in a day	-Seconds in a minute  -Days in each month  -Days in a year (including leap year)	-Minutes to seconds  -Years to months  -Weeks to days	Understand and recall all time facts	Understand and recall all time facts
Money	Recognise and use symbols for pounds (£) and pence (p)  -Combine amounts to make a particular value	Add and subtract using money to give change in pounds and pence	Compare and calculate differences using pounds and pence -Decimal recording of money	Use four operations to solve problems using money (convert)	Use four operations to solve problems using money (convert)

Section - Geometry (properties of shape) + position and direction	Y2	Y3	Y4	Y5	Y6
Shape 2D/3D	<ul style="list-style-type: none"> <li>-Identify and describe 2D/3D shapes including edges, faces and vertices.</li> <li>-Compare and sort common 2D and 3D shapes and everyday objects.</li> </ul>	<ul style="list-style-type: none"> <li>-Draw 2D shapes and make 3D shapes.</li> <li>-Recognise different orientations</li> </ul>	Compare and classify quadrilaterals and triangles in properties of shape.	-Identify 3D shapes from 2D representations (including cubes and cuboids)	<ul style="list-style-type: none"> <li>-Describe properties of 2D and 3D shapes (edges, vertices, faces)</li> <li>-Recognise, describe and build simple 3D shapes (including making nets)</li> <li>-Describe properties of shapes to explain how unknown lengths/angles can be derived from known measurements.</li> </ul>
Angles		Identify 90 degrees, Acute/ Obtuse angles.	<ul style="list-style-type: none"> <li>-Identify 90 degrees, Acute/ Obtuse angles</li> <li>-Angles on a straight line</li> </ul>	<ul style="list-style-type: none"> <li>-Recognise and interpret all angles</li> <li>-Draw given angles and measure in degrees using a protractor</li> </ul>	<ul style="list-style-type: none"> <li>-Recognise and interpret all angles.</li> <li>-Draw given angles and measure in degrees</li> <li>-Find missing angles in triangles/ quadrilaterals and regular polygons</li> <li>-Find angles where they meet at a point, straight line or vertically opposite.</li> </ul>
Circle					Find Radius/Diameter when given either length R=12 D=24

Section – Position and direction	Y2	Y3	Y4	Y5	Y6
Co-ordinates			Top 2 quadrants	Top 2 quadrants	All 4 quadrants
Translation			Slide shape left/right up/down	Translate the shape from point a to point b	Translate the shape from point a to point b
Rotation	Right angles, clockwise and anticlockwise	Right angles, clockwise and anticlockwise		Rotation of shapes 90, 180, 270, degrees	Rotation of shapes 90, 180, 270, degrees
Symmetry/Reflection			-Identify lines of symmetry in 2D shapes in different orientations.  -Reflection in x and y horizontal and vertical.	-Identify lines of symmetry in 2D shapes in different orientations.  -Reflection in x and y Horizontal, vertical and diagonal.	-Identify lines of symmetry in 2D shapes in different orientations.  -Reflection in x and y Horizontal, vertical and diagonal.