| Wk | Maths Aspect | Y3 Non-Negotiable | Y4 Non- Negotiable | Resources | Y3 NC obj | Y4 NC obj |
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| 1 -2 | Multiplication and division – mental methodsPATTERNS and GENRERALSING  | Knows the 2, 3, 4- and 8-times tables and the doubling patterns, odds and evens.Knows how to multiply using partitioning.Knows how to find corresponding division facts | Use their knowledge of times tables to work out calculations mentally using, up to, 3 digit numbers.  | Y3 x/ 2.7 TP 2,4,5Y3 x/ 2.8 TP 3,5,6Y4 x/ 2.10 TP AllPS: Rules of divisibilityHOMELEARNING White Rose | * Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

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 methods. | * 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
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| 3-4 | Multiplication and division: multiplying using a method and dividing with remainders | Knows how to partition numbers when multiplying in a grid/short method.Knows how divide and record remainders.Knows how to recognise multiples of a divisor. | Knows and applies table facts for recall of multiplication and division facts when calculating. | WR Autumn Y34 x/ theme 3, 5WR Spring Y34 x/ theme 1HOME LEARNINGAdapted White Rose videos | ● To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects. | To multiply two-digit and three-digit numbers by a one-digit number using formal written layout. ● To solve problems involving multiplying and adding, including using the distributive law and harder multiplication problems such as which *n* objects are connected to *m objects.* |
| 5 -7 | FractionsFINDING ALL POSSIBILITIES | Knows how to add and subtract within the same denominator. | Knows how to add and subtract fractions with the same denominator.Knows how to write decimal equivalents of any number of tenths or hundredths. | Y3 Fractions 3.1 – 3.4 All TP -also meets Y4 obj herePS:HOMELEARNINGOak Academy | * 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
* recognise and show, using diagrams, equivalent fractions with small denominators
* add and subtract fractions with the same denominator within one whole [for example,  +  = ]
* compare and order unit fractions, and fractions with the same denominators
* solve problems that involve all of the above.
 | * recognise and show, using diagrams, families of common equivalent fractions
* count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
* 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
* add and subtract fractions with the same denominator
* recognise and write decimal equivalents of any number of tenths or hundredths
* recognise and write decimal equivalents to , ,
* find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
* 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
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| 8 | Shape – angles and linesPATTERNS AND GENREALSIING | Identify right angles and angles greater than or less than. Use right angles to describe turns.Know what horizontal and vertical means and whether these are parallel or perpendicular. | Order angles and name them based on size.Know what symmetry is and where it is shown in 2D shapes. Draw their own shapes with lines of symmetry. | TR use pms to take groups and cover shape names and properties CATCHUPHOMELEARNING -shape catchup BBCANGLESOak AcademyWR PS: | * Recognise angles as a property of a 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 or less than right angle.
* Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.
 | * Identify acute and obtuse anfles and compare and order angles up to two right angles by size.
* Identify lines of symmetry in 2D shapes presented in different orientations.
* Complete a simple symmetric figure with respect to a specific line of symmetry.
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| 9 | Length and perimeter(Y4 area)PATTERNS and GENRERALSING | Understand units of measure. Accurately measure, compare and calculate using lengths to work out the perimeter.  | Calculate the perimeter and area of squares as well as rectilinear shapes with different units. | Y4 x/ 2.16 TP AllWR Y34 Length Themes 1-4HOMELEARNING OAK ACADEMYBrought forward to break up calculation work at homePS – NRICH ‘Fitted’  | * Measure, compare, add and subtract lengths (m/cm/mm).
* Measure the perimeter of simple 2D shapes.
 | * Convert between different units of measure [for example, kilometre to metre]
* Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
* Find the area of rectilinear shapes by counting squares.
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| 10 | Measures – money | Give change accurately using addition and subtraction. | Estimate, compare and calculate using money and the 4 operations. | WRHOMELEARNINGWhite Rose | * 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.
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| 11 | Measures – mass and capacity | Compare, add and subtract kg/g and l/ml.  | Estimate, compare and calculate using measures and the 4 operations. | WRHOMELEARNINGOwn poperpoints | * Compare, add and subtract mass (kg/g); volume/capacity (l/ml).
 |  solve simple measure and money problems involving fractions and decimals to two decimal places. |
|  12 | Statistics | Find, interpret and present data in a range of bar charts, pictograms and tables. | Find, interpret and present data in a range of graphs and tables | WRHOMELEARNINGOwn poperpoints | * Interpret and present data using bar charts, pictograms and tables.
* Solve one step and two step questions using information presented in scaled bar charts and pictograms and tables.
 | * Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
* Solve comparison, sum and difference problem using information presented in bar charts, pictograms, tables and other graphs.
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