Week	Objectives	Small Learning Steps
1	**Place Value and Multiplication and Division** • Count from 0 in multiples of 4, 8, 50 and 100 • Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables • Recall of 6 and 9 times tables (Y4) • 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 • 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.	*Revise counting in 3,4 and 8* • Count forwards and backwards in 3s, 30s and 300s • Count in multiples of 6 and 9 • Count in multiples of 60s, 90s, 600s, 900s • Link counting in 60s to seconds in a minute and 60 minutes in an hour • Recall 3 times table and link to 6 and 9 x tables • Arrays for 3,6 and 9 times tables • Commutativity • Use known facts to solve problems outside of 12 x 6, 12 x 9 • Use of knowledge of 3 x table to solve 16 x 3 etc (link to area)
2	**Geometry** • 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 - link to translation • Identify horizontal and vertical lines and pairs of perpendicular and parallel lines *This could be covered in computing, through PE, Geography or Art*	• Recognise what is and what isn't a right angle • Use a set square to find right angle and measure them • Compare angles – larger/smaller than a right angle • Recognise 2 right angles as a straight line and ½ turn • Recognise 3 right angles as ¾ turn • Recognise 4 right angles make 1 complete turn • Identify right angles in triangles and quadrilaterals, irregular polygons • Recognise right angles in polygons in different orientations • Recognise and know the difference between horizontal and vertical lines • Sort shapes and images for the above • Recognise and know the difference between parallel and perpendicular lines • Sort shapes and images for the above
3	**Fractions** • 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 • Compare and order unit fractions, and fractions with the same denominators • Recognise and show, using diagrams, equivalent fractions with small denominators • Solve problems that involve all of the above.	• Count in tenths forwards and backwards on a number line including above 1. • Recognise images of 1/10 • Understand that 1/5 means split into 5 equal parts and apply to other unit fractions • Use a fraction wall to recognise unit fractions such as 1/5 etc. • Order a set of unit fractions using a fraction wall for support • Compare unit fractions using a fraction wall and the <> signs • Place unit fractions on a number line • Sort a set of images showing the same unit fractions • Order a set of non-unit fractions with same denominator • Compare a set of non-unit fractions with same denominator using < > signs • Sort a set of images showing the same non-unit fractions with same denominator • Identify equivalences for ½ and 1/4 using a fraction wall • Identify equivalences for 1/3 using a fraction wall • Place equivalent fractions on a number line • Order a set of equivalent fractions • Compare a set of equivalent fractions using <> signs • Sort images for the equivalent fractions for ½ ,1/4 and 1/3

4	**Fractions** • Add and subtract fractions with the same denominator within one whole • Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators • Fraction families such as ¼ + 2/4 = ¾ so ¾- ½ = 2/4 • Solve problems that involve all of the above.	• Add fractions within one whole with the same denominator. • Number families for fractions e.g. if I know 1/3 + 2/3 = 1 what else so I know. • Extend to using more than 2 fractions in above e.g. 1 = 2/5 + 2/5 + 1/5 • Use images to show understanding • Empty box problems e.g. 1 = ▮ + 3/7 • Find all the possibilities 1 = ?/5 + ?/5 • Word problems linked to above, I have £1 and I spend 2/5 of my money what fraction have I got left?
5/6	**Time** • Tell and write the time from an analogue clock 12-hour • Know the number of seconds in a minute and the number of days in each month, year and leap year • *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, a.m./p.m., morning, afternoon, noon and midnight (Could be done through Science and PE) • Compare durations of events [for example to calculate the time taken by particular events or tasks]. (Could be done through Science and PE)	• Check that pupils can read the time to 5 minutes, ¼ to.1/4 past and half past. • Introduce 1 minute intervals on 12 hour clock, reading the time not drawing hands • Compare times and know when they are in the day. • Know how many seconds in a minute and how many in 10 minutes by use of 10 x table or counting up in 60s • Know how many days in each month • Know how many days in a week and then how many days in several weeks (link to 7 x table) • Know how many days in a year and a leap year • Calendar investigations to compare years and days Science and PE activities that involve use of a stopwatch and compare events and times.
6/7	**4 rules through Statistics** • Interpret and present data using bar charts, pictograms and tables • 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.	• Read scales on charts – link to tables they need to know • Add missing numbers to scales • Solve addition and subtraction problems from information in a table • Solve addition and subtraction problems from information on a bar chart • Solve addition and subtraction problems from information on a pictogram (scale of 3,4,8) • Solve multi step word problems for above