

Week	Objectives	TA Framework for Maths	Small Learning Steps
1/2	<p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.</li> <li>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> <li>Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</li> <li>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> <li>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</li> <li>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</li> <li>Ask and answer questions about totalling and comparing categorical data.</li> <li>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.</li> <li>Find different combinations of coins that equal the same amounts of money.</li> </ul>	<p><b>Count in twos, fives, and tens from 0 and use this to solve problems.</b>  <b>Know the value of different coins.</b></p> <p>Recall multiplication and division facts for 2, 5 and 10 and use them to solve simple problems, demonstrating an understanding of commutativity, as necessary.        Use different coins to make the same amount.        Read scales in divisions of ones, twos, fives, and tens (includes number lines/bar charts/pictograms etc).</p> <p><b>Recall and use multiplication and division facts for 2, 5 and 10 and make deductions outside known multiplication facts.</b></p> <p><b>Read scales where not all numbers on the scale are given and estimate points in between.</b></p> <p><b>Solve unfamiliar word problems that involve more than one step.</b>  <b>Use reasoning about numbers and relationships to solve more complex problems and explain their thinking.</b></p>	<ul style="list-style-type: none"> <li>Revisit commutativity for 2,5 and 10 x tables.</li> <li>Revisit number families for x and division for 2,5- and 10-times tables.</li> <li>Revisit empty boxes for known facts.</li> <li>Extend to facts outside 12 x 2, 12x10 and 12 x 5 for GDS pupils.</li> <li>Word problems using 2,5- and 10-times tables and division facts. (Multistep for GDS)</li> <li>Money Word problems using 2,5- and 10-times tables and division facts for 2p,5p, 10p,20p,50p.</li> <li>Explore combinations of money using multiples of coins.</li> <li>Measures problems using 2,5,10cm rods, 2kg,5kg,10kg weights etc.</li> <li>Statistics problems – reading bar charts, tally charts, pictograms and solving word problems.</li> </ul>
3/4	<p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>Recognise, find, name and write fractions. <math>\frac{1}{3}, \frac{1}{4}, \frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity.</li> <li>Write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3</li> <li>Fractions of money, measure.</li> <li>Counting in 3s</li> </ul>	<p>Identify <math>\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{4}, \frac{3}{4}</math>, of a number or shape, and know that all parts must be equal parts of the whole</p> <p><b>Solve unfamiliar word problems that involve more than one step.</b>  <b>Use reasoning about numbers and relationships to solve more complex problems and explain their thinking.</b></p>	<ul style="list-style-type: none"> <li>Revise counting in 3s.</li> <li>Revise <math>\frac{1}{2}, \frac{1}{4}</math> in terms of equal parts.</li> <li>Understanding of <math>\frac{1}{3}</math> being 3 equal parts.</li> <li>Find <math>\frac{1}{3}</math> of shapes.</li> <li>Find <math>\frac{1}{3}</math> of objects.</li> <li>Find <math>\frac{1}{3}</math> of quantities, measures, numbers.</li> <li>Finding <math>\frac{1}{3}</math> in a context of a word problem in a range of contexts.</li> <li>Compare <math>\frac{1}{3}</math> and <math>\frac{1}{2}</math>s, compare <math>\frac{1}{3}</math> and <math>\frac{1}{4}</math>s in the context of measures and numbers for GDS</li> </ul>

5	<p>Time</p> <ul style="list-style-type: none"> <li>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.</li> <li>Compare and sequence intervals of time.</li> <li>Know the number of minutes in an hour and the number of hours in a day.</li> <li>Addition and subtraction word problems.</li> <li>1 more and 1 less than in the context of hours and half hours.</li> </ul>	<p>Read the time on a clock to the nearest 15 minutes.</p> <p><b>Read the time on a clock to the nearest 5 minutes.</b></p>	<ul style="list-style-type: none"> <li>Revise quarter to/quarter past the hour through problem solving.</li> <li>Compare times before/after in terms of <math>\frac{1}{4}</math> to and quarter past.</li> <li>Problems with 15 minutes more/ 15 minutes less/30 mins more/30 minutes less/ hour before/hour later.</li> <li>Compare durations of different activities – this could be in days with addition and subtraction problems.</li> <li>Compare durations of events in minutes – again addition and subtraction problems.</li> <li>Secure 5 minutes for GDS.</li> </ul>
6	<p>Mass/weight</p> <ul style="list-style-type: none"> <li>Choose and use appropriate standard units to estimate and measure mass (kg/g); to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>Compare and order mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> <li>Identify, represent, and estimate numbers using different representations, including the number line.</li> <li>Solve simple problems in a practical context involving addition and subtraction of mass.</li> <li>Solve simple problems in a practical context involving multiplication and division of mass.</li> </ul>	<p>Partition any two-digit number into different combinations of tens and ones, explaining their thinking verbally, in pictures or using apparatus.</p> <p>Read scales in divisions of ones, twos, fives and tens (includes number lines/bar charts/pictograms etc).</p> <p>Add and subtract any 2 two-digit numbers using an efficient strategy, explaining their method verbally, in pictures or using apparatus (e.g. <math>48 + 35</math>; <math>72 - 17</math>).</p> <p>Recall multiplication and division facts for 2, 5 and 10 and use them to solve simple problems, demonstrating an understanding of commutativity, as necessary.</p> <p><b>Read scales where not all numbers on the scale are given and estimate points in between.</b></p> <p><b>Solve unfamiliar word problems that involve more than one step.</b></p> <p><b>Use reasoning about numbers and relationships to solve more complex problems and explain their thinking.</b></p>	<ul style="list-style-type: none"> <li>Revise counting in steps of 2, 3, 5 and 10 through number lines, scales.</li> <li>Count in 100s on scales with and without all the markings.</li> <li>Practically explore 1 kg, <math>\frac{1}{2}</math> kg, <math>\frac{1}{4}</math> kg, 10kg, 5kg</li> <li>Explore masses of objects and partition the mass into 10s and 1s.</li> <li>Compare, order, and estimate masses practically using <math>&lt;&gt;</math> signs.</li> <li>Compare more than 2 measures using comparative language e.g., 3 or 4 masses.</li> <li>Solve word problems for addition/subtraction.</li> <li>Solve problems using weights for 2kg, 5kg and 10kgs</li> </ul>