## Year 2 Maths Half Termly Planning

| Autumn 1 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Basic Skills / Daily Mental Maths | Partitioning <br> Partition numbers up to 100 in as many different ways as possible. $\begin{aligned} & 56=50+6,25+25+6 \\ & 50+3+3 \ldots \end{aligned}$ | Counting <br> Count in steps of 2, 5 and 10 from 0 , and in tens from any number, forward and backward. <br> Use counting sticks and hundred squares. | Adding mentally (number bonds) <br> Recall and use addition facts to 20 fluently, and derive and use related facts up to 100 . $\begin{aligned} & 12+8=? 2+8=10 \text { so } 10+10 \\ & =20 \\ & 32+8=2+8=10 \text {, so } 10+30= \\ & 40 \ldots \\ & 32+18=8+2=10,30+10= \\ & 40 \text {, so } 40+10=50 \end{aligned}$ | Adding/subtracting mentally (number bonds) <br> Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. <br> I know that $13+7=20$, so $I$ know that $20-7=13 \ldots$ <br> Use the bar model as well Numicon to model this concept. | Adjust to subtract mentally (-9 and - $\mathbf{1 1}$ to start with). $37-9=28$ <br> (Adjust 9 by adding one to it to make $10,37-10=27$, then adjust the answer by adding $1,27+1=28$ ) Apply the same with -11, but encourage children to partition 11 into $10+1$, take 10 away first, then take 1 away. | Counting <br> Count in steps of 3 from 0 from any number, forward and backward. <br> Use counting sticks and hundred squares. |  |
|  | Place Value <br> Recognise the place value of each digit in a two-digit number (tens, ones). <br> Read and write numbers to at least 100 in numerals and in words. | Place Value <br> Compare and order numbers from 0 up to 100; use <, > and = signs. | Addition <br> Add numbers using concrete objects, pictorial representations, and mentally, including: a twodigit number and ones, a twodigit number and tens, two twodigit numbers and adding three one-digit numbers. | Subtraction <br> Subtract numbers using concrete obj mentally, including: a two-digit nu tens, two two-digit numbers and ad | ts, pictorial representations, and er and ones, a two-digit number and g three one-digit numbers. | 2D Shape <br> Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line |  |
|  | Use place value and number facts to solve problems. | Identify, represent and estimate numbers using different representations, including the number line. | Solve problems with addition using concrete objects and pictorial representations, including those involving numbers, quantities and measures, applying their increasing knowledge of mental and written methods. | Solve problems with subtraction usin representations, including those invo numbers, quantities and measures, ap mental and written methods. | concrete objects and pictorial ing lying their increasing knowledge of | Compare and sort common 2-D shapes and everyday objects. |  |
| $\begin{aligned} & \mathscr{0} \\ & 0 \\ & \\ & \end{aligned}$ | TTRS <br> Counting Sticks <br> End of year target: recall multiplication and division facts for the 2, 5 and 10 times tables. | TTRS Counting Sticks | TTRS Counting Sticks | TTRS <br> Counting Sticks | TTRS <br> Counting Sticks | TTRS Counting Sticks |  |

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|  | Compare and order mass and record the results using $>$, < and $=$. | Solve problems with addition using concrete objects and pictorial representations, including those involving numbers, quantities and measures, applying their increasing knowledge of mental and written methods. | Solve problems pictorial represe numbers, quanti knowledge of m | sing concrete objects and those involving applying their increasing methods. | Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. | Compare and sort common 3-D shapes and everyday objects. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \frac{y}{0} \\ & \frac{1}{5} \\ & x \end{aligned}$ | TTRS <br> Counting Sticks <br> End of year target: recall multiplication and division facts for the 2, 5 and 10 times tables. | TTRS Counting Sticks | TTRS Counting Sticks | TTRS Counting Sticks | TTRS Counting Sticks | TTRS Counting Sticks |



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|  | Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. | Solve problems addition, mental contexts. | ion, using materials, arrays, repeated division facts, including problems in | Pupils use fractions as 'fractions of' discrete and continuous quantities by solving problems using shapes, objects and quantities. They connect unit fractions to equal sharing and grouping, to numbers when they can be calculated, and to measures, finding fractions of lengths, quantities, sets of objects or shapes |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | TTRS <br> Counting Sticks <br> End of year target: recall multiplication and division facts for the 2, 5 and 10 times tables. | TTRS Counting Sticks | TTRS Counting Sticks | TTRS <br> Counting Sticks | TTRS <br> Counting Sticks |


| Summer 1 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 䔍 | Time (Recall/known facts) <br> Know the number of minutes in an hour and the number of hours in a day. | Knowledge of numbers inside numbers to find fractions of amounts $1 / 2 \text { of } 90=45$ $90=60+30$ <br> Half of $60=30$ <br> Half of $30=15$ <br> Therefore $30+15=45$ | Addition <br> Adding three two digit numbers $20+30+50=$ $\qquad$ <br> Encourage children to look at what they know about the numbers, $30+20=50$ and double $50=100$. | Use knowledge of near doubles to add mentally. <br> $5+6=(6$ can be partitioned in to $5+1$, so $5+5=10,10+1=$ 11) $25+26=51(26 \text { can be }$ partitioned into $25+1$, so $25+25=50,50+1=51$ ) |  | Number <br> Count in steps of 5 . |

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| $\sum_{i}^{n}$ | 2D Shape <br> Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise). | Fractions <br> Recognise the equivalence of $2 / 4$ and $1 / 2$. <br> Explore with different diagrams and using post-it activities how finding $2 / 4$ of a number is equivalent to finding $1 / 2$. For example $2 / 4$ of 36 is the same as finding $1 / 2$ of 36 . | Measures (Volume/capacity) <br> Choose and use appropriate standard units to estimate and measure capacity (litres $/ \mathrm{ml}$ ) to the nearest appropriate unit. | Measures - Money <br> Recognise and use symbols for pounds ( $£$ ) and pence (p); combine amounts to make a particular value. | Time <br> 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. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pupils use the concept and language of angles to describe 'turn' by applying rotations, including in practical contexts (for example, pupils themselves moving in turns, giving instructions to other pupils to do so, and programming robots using instructions given in right angles). | Pupils use fractions as 'fractions of' discrete and continuous quantities by solving problems using shapes, objects and quantities. They connect unit fractions to equal sharing and grouping, to numbers when they can be calculated, and to measures, finding fractions of lengths, quantities, sets of objects or shapes. | Compare and order volume/capacity and record the results using >, < and = | Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. <br> Pupils become fluent in counting and recognising coins. They read and say amounts of money confidently and use the symbols $£$ and paccurately, recording pounds and pence separately. | Compare and sequence intervals of time. |
|  | TTRS <br> Counting Sticks <br> End of year target: recall multiplication and division facts for the 2, 5 and 10 times tables. | TTRS Counting Sticks | TTRS Counting Sticks | TTRS Counting Sticks | TTRS Counting Sticks |

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