

|  | Year 1 | Year 2 |
| :---: | :---: | :---: |
| C- | Using number facts 'Story' of $4,5,6,7,8$ and 9 $\text { e.g. } 7=7+0,6+1,5+2,4+3$ <br> Number bonds to 10 $\text { e.g. } 5+5,6+2,7+3,8+2,9+1,10+0$ <br> Use patterns based on known facts when adding e.g. $4+3=7$ so we know $24+3,44+3,74+3$ | Using number facts <br> Know pairs of numbers which make the numbers up to and including 12 $\begin{aligned} & \text { e.g. } 8=4+4,3+5,2+6,1+7,0+8 \\ & \text { e.g. } 10=5+5,4+6,3+7,2+8,1+9,0+10 \end{aligned}$ <br> Use patterns based on known facts when adding <br> e.g. $6+3=9$, so we know $36+3=39,66+3=69,56+3=59$ <br> Bridging 10 $\text { e.g. } 57+5=57+3(60)+2=62$ <br> Add three or more 1-digit numbers, spotting bonds to 10 or doubles $\begin{aligned} & \text { e.g. } 3+5+3=6+5=11 \\ & \text { e.g. } 8+2+4=10+4=14 \end{aligned}$ |



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|  | Using number facts <br> 'Story' of $4,5,6,7,8$ and 9 <br> e.g. 'Story' of 7 is $7-1=6,7-2=5,7-3=4$ <br> Number bonds to 10 $\text { e.g. } 10-1=9,10-2=8,10-3=7$ <br> Subtract using patterns of known facts <br> e.g. $7-3=4$ so we know $27-3=24,47-3=44,77-3=74$ | Using number facts <br> Know pairs of numbers which make the numbers up to and including 12 and derive related subtraction facts $\text { e.g. } 10-6=4,8-3=5,5-2=3$ <br> Subtract using patterns of known facts e.g. $9-3=6$, so we know $39-3=36,69-3=66,89-3=86$ <br> Bridging 10 $\text { e.g. } 52-6 \text { as } 52-2(50)-4=46$ <br> Counting up <br> Find a difference between two numbers on a line where the numbers are close together $\text { e.g. } 51-47$ |


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|  | Counting in steps ('clever' counting) <br> Count in 2s <br> Count in 10s |  |  |  |  |  |  |  |  |  | Counting in steps ('clever’ counting) <br> Count in $2 \mathrm{~s}, 5 \mathrm{~s}$ and 10 s |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | N0 | momomonomenomen |
|  | $11$ | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |  |
|  | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |  |
|  | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | Begin to count in 3s |
|  | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | Doubling and halving |
|  | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | Begin to know doubles of multiples of 5 to 100 <br> e.g. double 35 is 70 |
|  | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 0000000000000000000000000000000000 |
|  | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |  |
|  | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |  |
|  | $91$ | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | Begin to double 2-digit numbers less than 50 with 1s digits of $1,2,3,4$ or 5 |

Doulbling and halving
Find doubles to double 5 using fingers
e.g. double 3
Grouping
Begin to use visual and concrete arrays and sets of objects to find
the answers to 'three lots of four' or 'two lots of five'
e.g. three lots of four
Know doubles to double 20
e.g. double 7 is 14


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|  | Grouping <br> Begin to use visual and concrete arrays and 'sets of' objects to find the answers to questions such as 'How many towers of three can I make with twelve cubes?' <br> Sharing <br> Begin to find half of a quantity using sharing e.g. find half of 16 cubes by giving one each repeatedly to two children | Grouping <br> Relate division to multiplication by using arrays or towers of cubes to find answers to division <br> e.g. 'How many towers of five cubes can I make from twenty cubes?' as _ $\times 5=20$ and also as $20 \div 5=$ _ <br> Relate division to 'clever' counting and hence to multiplication e.g. 'How many fives do I count to get to twenty?' <br> Sharing <br> Begin to find half or a quarter of a quantity using sharing e.g. find a quarter of 16 cubes by sorting the cubes into four piles <br> Find $\overline{1 / 4}, \overline{1 / 2}, 3 / 4$ of small quantities <br> Using number facts <br> Know half of even numbers to 24 <br> Know $\times 2, \times 5$ and $\times 10$ division facts <br> Begin to know $\times 3$ division facts |

