ADDITION \& SUBTRACTION

|  | Recall/ Mental | Representations | Written | Representations | Problem Solving |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Year 1 | Represent and use number bonds and related subtraction facts within 20 <br> Add and subtract one-digit and two-digit numbers to 20 , including zero |  | Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs |  | Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7=\square-9$ |
| $\begin{gathered} \text { Year } \\ 2 \end{gathered}$ | Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 <br> Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <br> a two-digit number and ones a two-digit number and tens two two-digit numbers adding three one-digit numbers |  |  |  | Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods |
| $\begin{gathered} \text { Year } \\ 3 \end{gathered}$ | Add and subtract numbers mentally, including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds |  | Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction |  | Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction |
| Year 4 |  |  | Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate |  | Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |

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| Year |  | Add and subtract numbers <br> mentally with increasingly large <br> numbers |  | Add and subtract whole numbers <br> with more than 4 digits, including <br> using formal written methods <br> (columnar addition and <br> subtraction) |
| :---: | :--- | :--- | :--- | :--- |
| Year | Perform mental calculations, <br> including with mixed operations <br> and large numbers |  | Solve addition and <br> subtraction multi-step <br> problems in contexts, <br> deciding which operations <br> and methods to use and <br> why |  |

MULTIPLICATION \& DIVISION

|  | Recall// <br> Mental |  | Representations | Representations |
| :--- | :--- | :--- | :--- | :--- | :--- |

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