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| Year 3  ES | End of year expectations for mental calculation | End of year expectations for written methods and problem solving | Written strategies/ recordings/methods/images | Vocabulary  &  Links |
| Add and subtract numbers mentally, including:   * a 3-digit number and ones * a 3-digit number and tens * a 3-digit number and hundreds.   Use a number line, Dienes, hundred squares, two‐hundred squares, and similar representations, to support mental calculations.  (See representations section.) | Add and subtract numbers with up to three digits, using formal written methods of column addition and  subtraction.   1. Extended column method      1. Extended column with exchange   e.g. 87‐58 becomes  70 +1 7  ‐50 + 8  20 + 9  **Fractions**  Count up and down in tenths.  Add and subtract fractions with the same denominator  within one whole.  87 = 70+17 | 30 + 6  All these represent the same number  20 + 16  10 + 26    Introduce transition from concrete place value representations, (e.g. Dienes or straws), to pictorial – such as place value counters or money.  Revert to concrete manipulatives and expanded methods  132  132  whenever difficulties arise  1 + 1 + 1 = 3 = 1  6 6 6 6 2 | Money and calculating duration of events (with number lines  e.g.:   * Add and subtract amounts of money to give change, using both £ and p in practical contexts. * Compare durations of events [for example to calculate the time taken by particular events or tasks]   ( Measurement) |