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| Year 3ES | 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 andsubtraction.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 denominatorwithin one whole.87 = 70+17 | 30 + 6All these represent the same number20 + 1610 + 26Introduce 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 methods132132whenever difficulties arise1 + 1 + 1 = 3 = 1 6 6 6 6 2 | Money and calculating duration of events (with number linese.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) |