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| YEAR 1 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 |
| * Subtract one digit and 2-digit numbers to 20, including zero.
* Read, write and interpret mathematical statements using symbols (+, -, =) signs.
* Represent and use number bonds and related addition facts within 20
* Solve one step problems using concrete objects and pictorial representations, and missing number
* problems such as

7 = 􀍲 - 9* Memorise and reason with number bonds
* Subtract using objects, Numicon, cubes etc and number lines and tracks
* Check with everyday objects
* Ensure pre‐calculation steps are understood, including:
* Counting objects,
* Conservation of number
 | * Subtract 1- digit and 2 - digit numbers to 20, including zero.
* Read, write and interpret mathematical statements involving addition (+), subtraction (–) and

equals (=) signs .* Represent and use number bonds and related subtraction facts within 20.
 | 7 – 3 = 4 so 7 - = 3**Subtraction:****Comparison Model**Peter has 5 pencils and 3 erasers. How many more pencils than erasers does he have? 5

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 **3** | Pupils should combine and increase numbers, counting forwards and backwards.*(They should develop the concept of addition and subtraction and … use these operations flexibly*)*Problems should include the terms: put together, add, altogether, total, take away, distance between,**difference between, more than and less than, so that pupils develop the concept of addition and subtraction**and are enabled to use these operations flexibly.*(*Number + addition and -* *subtraction, Non- statutory guidance.)*Pupils discuss and solve problems in familiar practical contexts . (*Non-statutory guidance.)* Pupils compare, describe and solve practical (measurement) problems . |