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| ES | End of year expectations for mental calculations | End of year expectations for written methods and problem solving | Mental and written strategies/  recordings/methods/images | Vocabulary |
| * Read, write and interpret mathematical statements using symbols +, 􀍲, = * Represent and use number bonds and related addition facts within 20 * Add one digit and two digit numbers up to 20, including zero. * Solve one step problems using concrete objects and pictorial representations, and missing number problems such as 7 = 􀍲 - 9 * Given a number, identify (and use the language) one more | * Begin to compare (what’s the same/different?) for commutative sums   e.g 3 +7 = 7 + 3   * Memorise and reason with number bonds to 10 & 20 in several forms * Add using objects, Numicon, cubes etc. and number lines and tracks * Check with everyday objects * Ensure pre‐calculation steps are understood, including: * Counting objects (including solving simple concrete problems) * Conservation of number: * Recognise place value in numbers beyond 20 * Counting as reciting and as enumerating | 1 2 3 | * Combine and increase numbers, counting forwards and backwards. * Develop the concept of addition and subtraction and … use these operations flexibly. * Discuss and solve problems in familiar practical contexts, including using quantities * Compare, describe and solve practical [measure] problems e.g. longer, more than, heavier than * Problems terminology should include: put together, add, altogether, total, take away, distance between, difference between, more than and less than |

YEAR 1