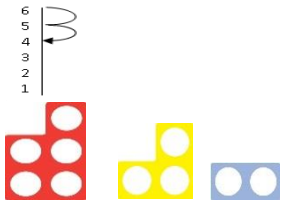
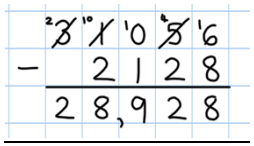
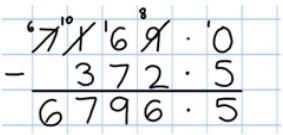
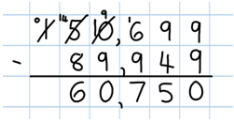
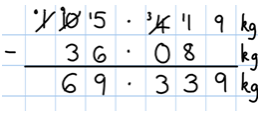
SUBTRACTION

Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Practical activities in meaningful contexts. Use of number lines for 'less than'. 100 square for counting back. Informal pictorial recording teaching to solve simple number sentences using minus (-).	Through practical activities in meaningful contexts and informal written methods. We made 6 cakes. We ate 2 of them. How many cakes are left?  Link to vertical number line 6 – 2 = 4  5 - 3 = 2 Find the difference within 20 Represent and use no. bonds within 20. Record using (-) and (=) signs Derive related facts to 20 5 - 2 = □ □ = 5 - 2 5 - □ = 3 3 = □ - 2 □ – 2 = 3 3 = 5 - □ □ - □ = 3 3 = □ - □ Counting back on a 100 square and vertical line. **National Curriculum requirements:** Subtract 1 digit and 2 digit numbers to 20, including 0. Represent and use number bonds and related subtraction facts.	Through practical and meaningful contexts. Fluent recall of bonds to 20 and within 20. Derive and use related facts up to 100 e.g. 10 – 7 = 3 so 100 – 70 = 30. Counting back by partitioning second number. Subtract the ones first to be in line with columnar subtraction. E.g. 46 - 18 46 - 10 – 8  Find the difference by counting up (only when the difference is small). 23 – 18 = 5  Recognise and use the inverse relationship between addition and subtraction Show that subtraction is not commutative (done in any order) Progressing to the partitioned columnar method in preparation for year 3 Subtraction of money, including change. **National Curriculum requirements:** (using concrete objects, pictorial representations and mentally) Subtract 2 digit numbers and ones. Subtract 2 digit number and tens. Subtract two 2 digit numbers. Subtract three 1 digit numbers	Continue with vertical number line subtraction progressing to the expanded columnar subtraction method. 89–35 = 54 80 + 9 -30 + 5 50 + 4 = **54** Introduce exchanging through the expanded columnar subtraction method. 60 70 + 12 -40 + 7 20 + 5 = **25** Progressing to the compact column method . T O H T O 4 7 8 6 4 -2 3 -6 2 1 2 4 2 4 3 3 1 4 1 - 3 6 0 5 Introducing partitioned column subtraction method, from practical to written. **National Curriculum requirements:** Subtract numbers with up to 3 digits, using the formal written method of column subtraction.	Continue with partitioned column subtraction progressing to compact columnar subtraction. H T O H T O 3 1 3 12 1 4 3 7 4 3 2 - 1 8 2 - 1 8 7 2 5 5 2 4 5 H T O Th H T O 5 91 1 3 11 1 6 0 4 8 4 2 6 -3 4 7 -2 1 7 7 2 5 7 6 2 4 9 Estimate and use inverse operations to check answers to a calculation. Subtract amounts of money using column method. Introducing partitioned column subtraction method, from practical to written. Moving to compact method of subtraction. **National Curriculum requirements:** Subtract numbers with up to 4 digits, using the formal written method of column subtraction.	Continue with compact column subtraction, including subtraction of decimals.   Use rounding to check answers to calculations and to determine, in the context of a problem, levels of accuracy. **National Curriculum requirements:** Subtract numbers with more than 4 digits.	Continue with compact columnar subtraction, including subtraction of decimals.   Use estimation to check answers to calculations and to determine, in the context of a problem, levels of accuracy. **National Curriculum requirements:** Subtract numbers with more than 4 digits.