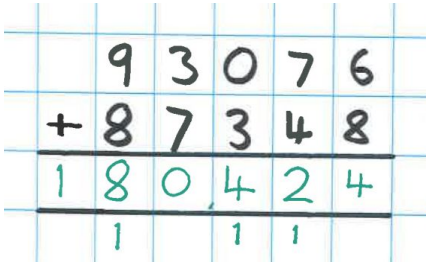
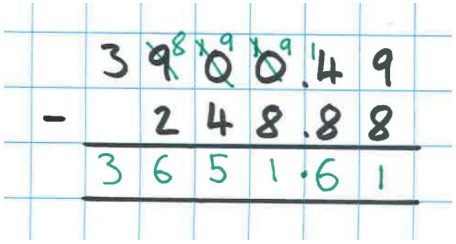
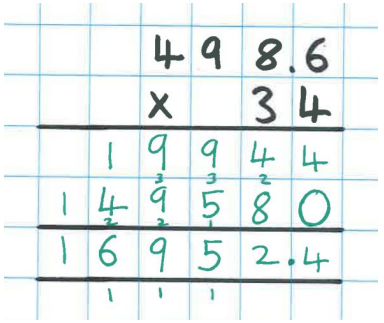
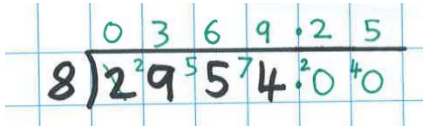
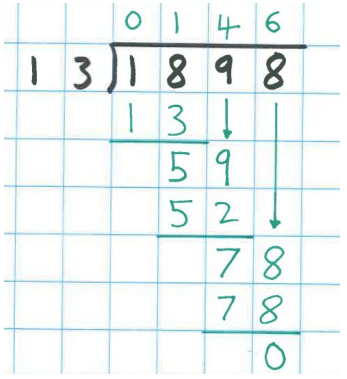
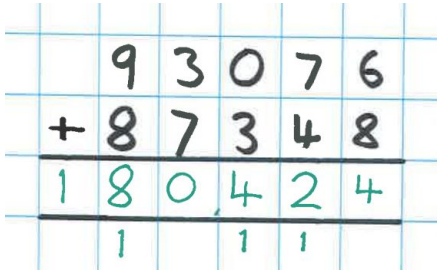
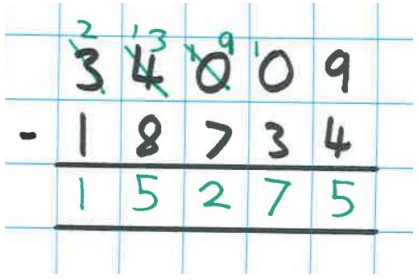
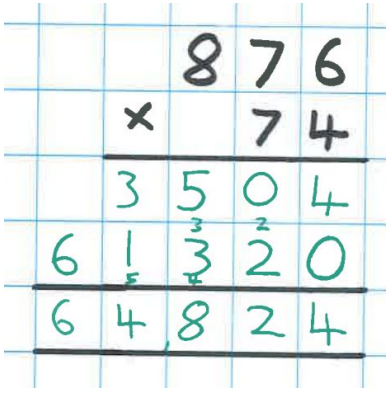
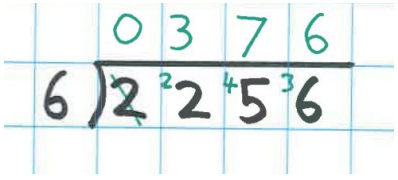
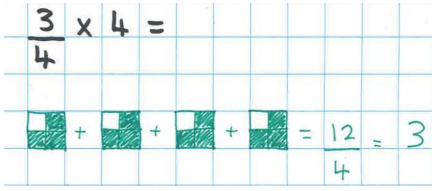
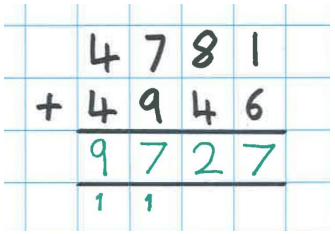
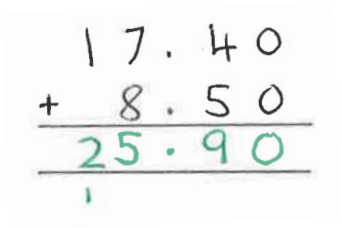
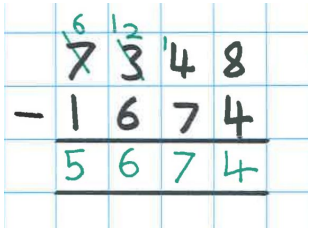
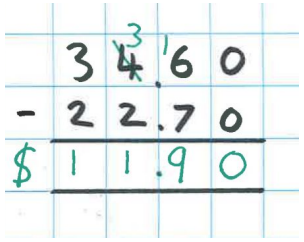
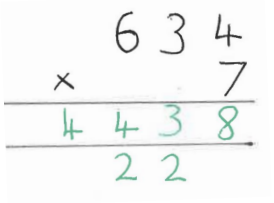
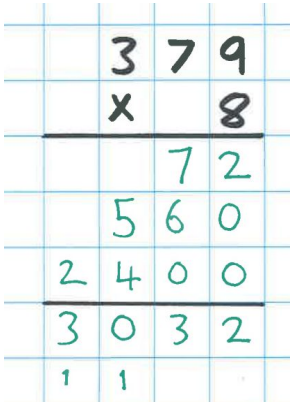
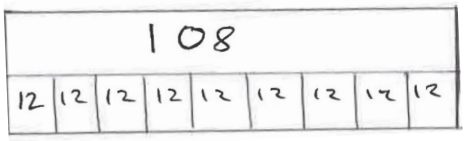
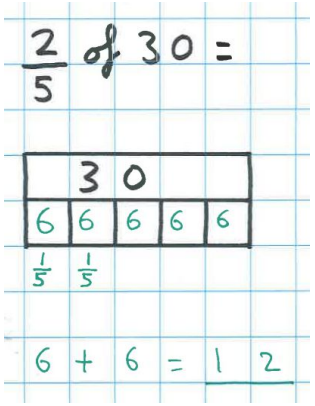
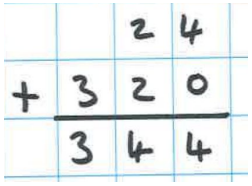
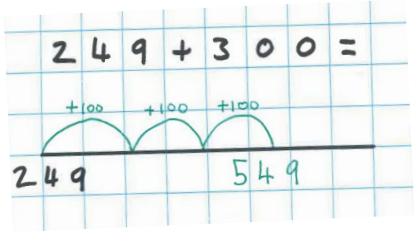
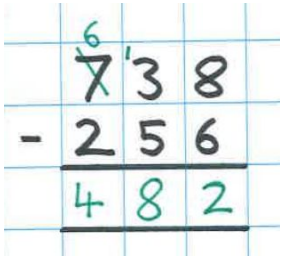
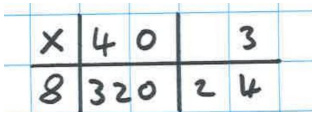
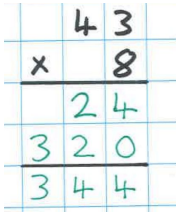
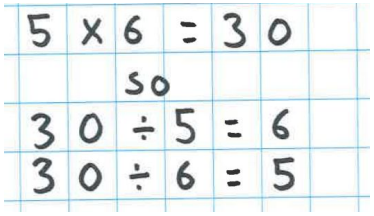
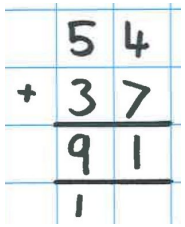
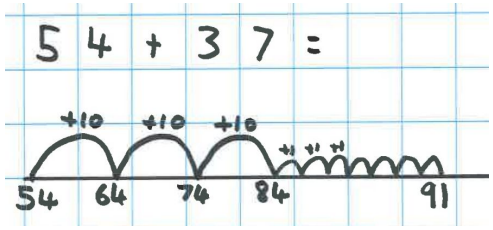
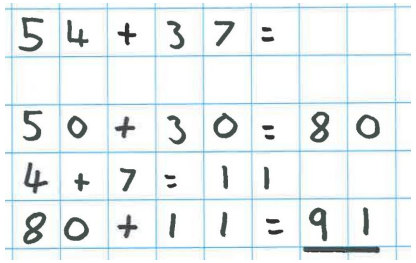
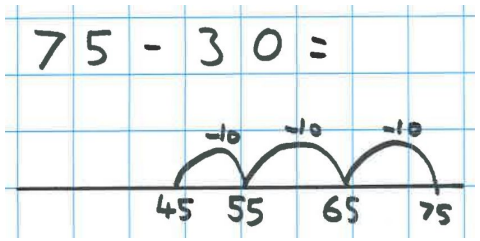
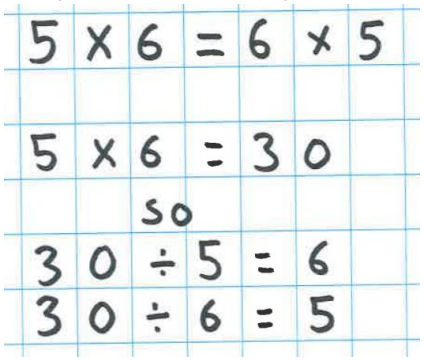
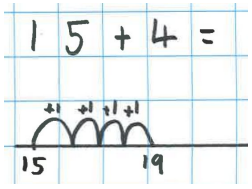
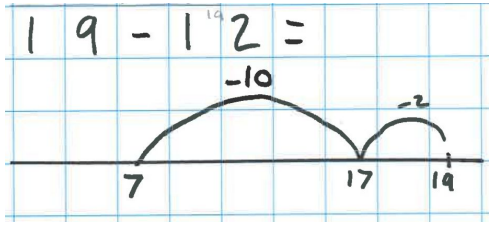
Examples of calculations - By year of introduction

Year of intro-duction	Addition	Subtraction	Multiplication	Division
Year 6	I can add and subtract numbers up to 4 digits Column addition 	I can add and subtract numbers up to 4 digits Column subtraction 	I can multiply multi-digit numbers up to 4 digits by a two-digit number Multi-digit multiplication 	I can divide numbers up to 4 digits by a two-digit whole number Division to get a decimal  Long division 
Year 5	I can add and subtract numbers up to 4 digits Column addition 	I can add and subtract numbers up to 4 digits Column subtraction 	I can multiply numbers up to 4 digits by a one or two digit number Multi digit multiplication 	I can divide numbers up to 4 digits by a one-digit number Short division  Multiplying Fractions 

Year 4	I can add and subtract 4 digit numbers I can solve measure and money problems involving fractions and decimals [Column addition]  **Adding decimals** 	I can add and subtract 4 digit numbers using formal column addition where appropriate **Column subtraction**  	I can multiply two-digit and three-digit numbers by a one-digit number [3 by 1 digit multiplication]  **Partitioned written multiplication** 	I can divide using known facts **Dividing using a bar model**  12 x 9 = 108 so 108 ÷ 12 = 9 **Finding fractions of amounts using a bar model** 
Year 3	I can add and subtract numbers with up to 3 digits using formal written methods [Column addition]  	I can solve missing number problems for addition and subtraction I can partition a number and subtract using column subtraction without decomposing (2 and 3 digit numbers) [Column subtraction] 	I can multiply and divide using the multiplication tables that I know (mental progressing to formal written methods) **Grid method multiplication** Numbers partitioned then multiplied. The parts are then added up to find the total  	I can use my knowledge of times tables to divide **Using inverse to multiply and divide** 

Year 2	I can add and subtract numbers up to two digits. Column addition  **Number line** Adding tens, then ones  **Partitioning then adding** 	I can recall all number bonds to 20 fluently e.g. 5+9=14 and derive and use related facts up to 100 **Number line** 	I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) sign **Using inverse to multiply and divide** 
Year 1	I can add and subtract 1 and 2 digit numbers up to 20 including 0 **Number line**  **Part-part-whole model** Numbers can be moved to make different number sentences e.g.7+_=9 	I can add and subtract 1 and 2 digit numbers up to 20 including 0 Number line 	I can solve one-step multiplication problems using pictures with the support of the teacher **Pictorial methods for groups and grouping**