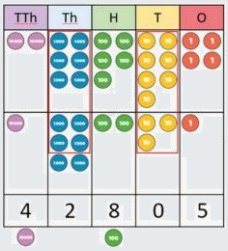
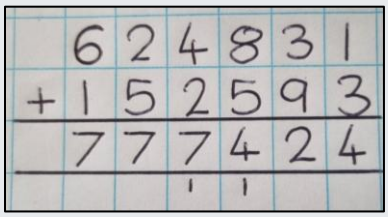
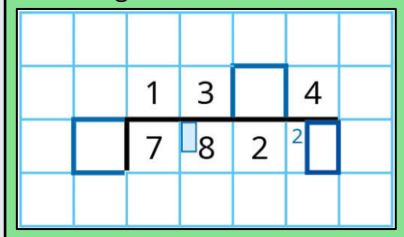
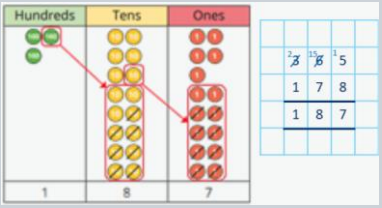
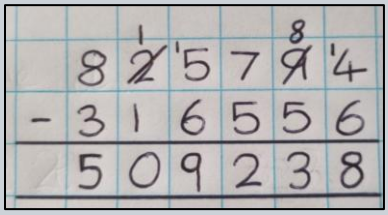
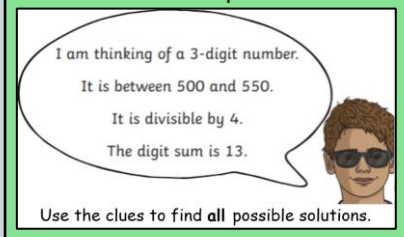
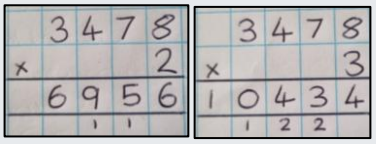
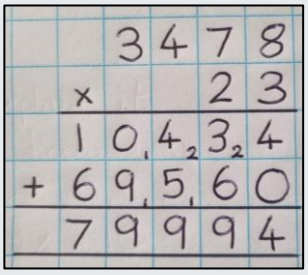
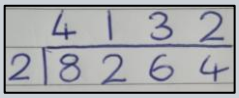
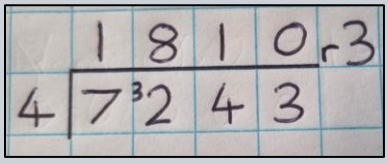
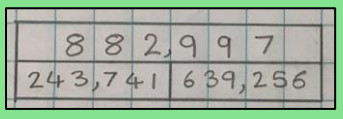
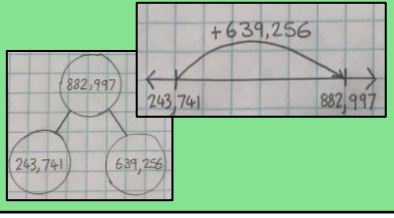
Year 5 Arithmetic Expectations

	How to support	Year 5 expectation	How to extend
Addition	The use of counters in columns helps the children understand the steps of addition  "We exchange 10 tens for 1 hundred"	Any 6-digit number add any 6-digit number  Answer is called the **sum**	Missing number calculations 
Subtraction	1. Reduce the number of digits 2. Use of counters and columns  	Any 6-digit number subtract any 6-digit number  Answer is called the **difference**	Multi-step word problems Two numbers have a difference of 1,200 and a total of 6,484 What are the two numbers? A packet of stickers contains 24 stickers. Ron buys 6 packets of stickers. He shares the stickers between himself and his two friends. How many stickers do they each get? Parameter questions 
multiplication	Multiply numbers by a 1-digit number.  These 2 calculations would help a child understand the 2-digit multiplication to the right.	Any 4-digit number multiplied by any 2-digit number  Answer is called the **Product**	Always, sometimes, never true Is the statement always true, sometimes true or never true? When a 3-digit number made of consecutive, descending digits is divided by the next digit, the remainder is 1 For example, 765 ÷ 4 = 191 r1 Explain your answer. Systematic thinking questions Write the missing digits to make the calculations correct. _3_ + _3 = 300 _3_ - _3 = 300 How many possible solutions are there for each of the calculations?
division	1. Choose numbers with no exchanges  2. Use dots and groups to help the children divide 	Any 4-digit number divided by any 1-digit number, with remainders  Answer is called the **quotient**	Represent answers in 3 different visual formats  

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