


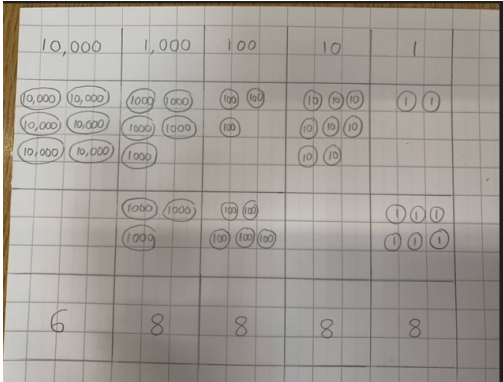
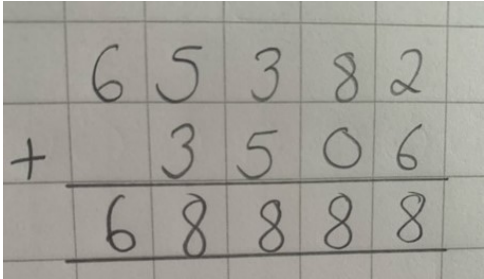
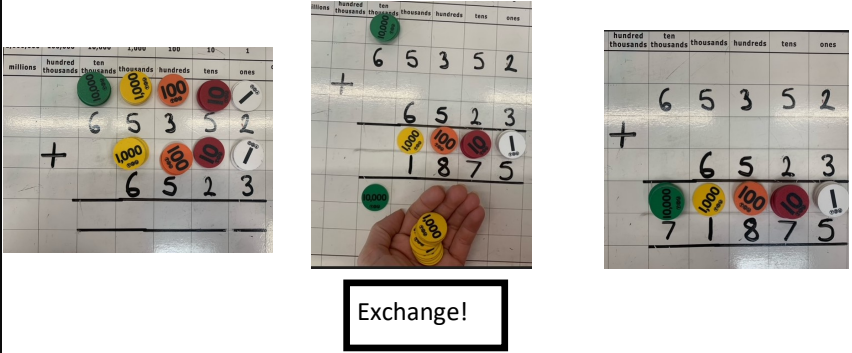
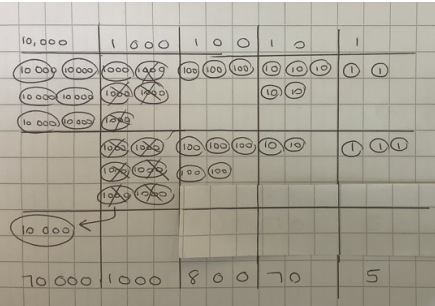
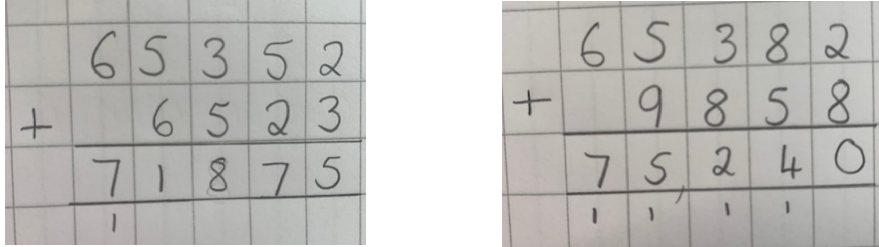
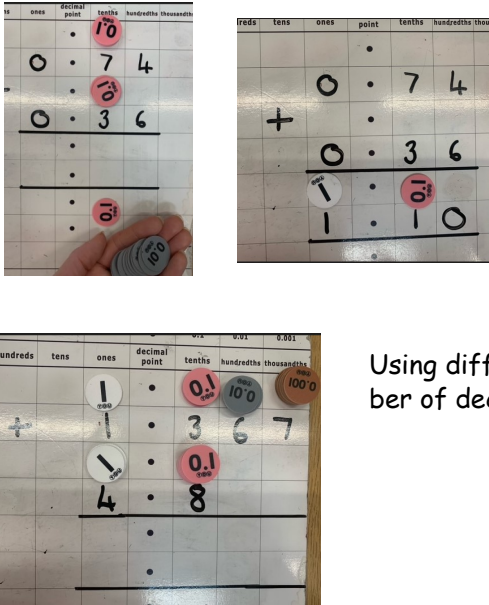
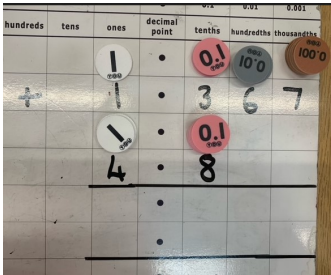
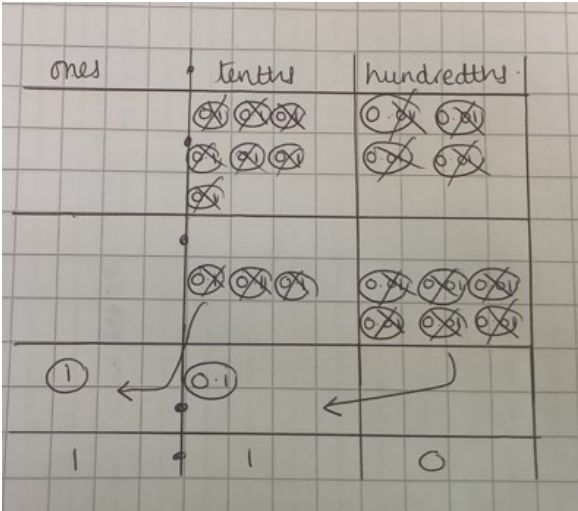
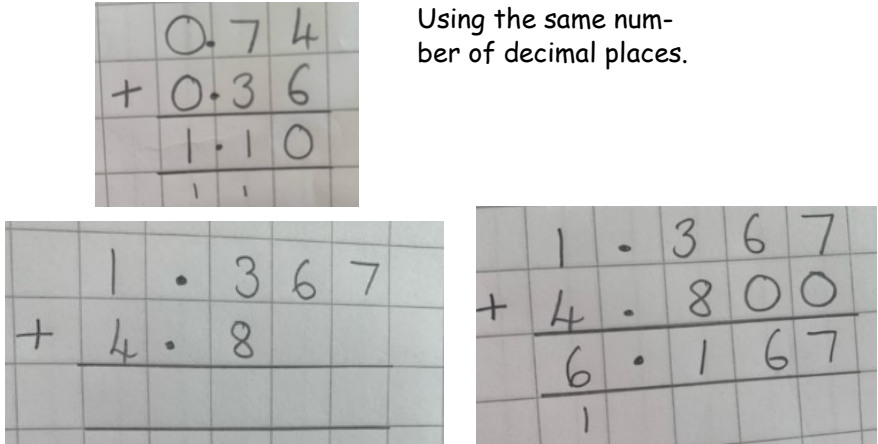


The Discovery School Calculation Policy - Year 5 & 6 Addition

Additional Notes. Y6 to add 6 digits to 6 digits  
Problem solving and reasoning opportunities for all children. Bar model should be used as a tool for problem solving.

**National Curriculum Objectives—Year 5**  
Add whole numbers with more than 4 digits, including using formal written methods (columnar addition).  
Add numbers mentally with increasingly large numbers.  
Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.  
Solve addition multi-step problems in contexts, deciding which operations and methods to use and why.

**National Curriculum Objectives—Year 6**  
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why  
Solve problems involving addition, subtraction, multiplication and division  
Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

Objective	Concrete	Pictorial	Abstract
Add whole numbers with more than 4 digits.  No regrouping.	65382 + 3506 using the place value counters without regrouping at this time. 	Use pictorial representations for the children who need extra support. 	Columnar addition 
Add whole numbers with more than 4 digits.  With regrouping: start with one regroup and then move up to four exchanges.	 Exchange!	Use pictorial representations for the children who need extra support. 	 One exchange Work up to four exchanges
Add decimals up to 2DP  THIS COMES UNDER YOUR DECIMALS UNIT	 Using the same number of decimal places.   Using different number of decimal places.	 Using the same number of decimal places.  Pictorial representations can be used for the children to interpret or to draw.	 Using the same number of decimal places.  Using a different number of decimal places.