## The Discovery School Calculation Policy - Year 3 Subtraction



## Additional Notes

You will need to use the T & O and H T & O place value grids with the regroup sections. Bar models <u>must</u> be used as a tool for problem solving as this ensures the children understand the structure of the problem.

## National Curriculum Objectives

Pupils should be taught to: 🛮 add and subtract numbers mentally, including: 🗈 a three-digit number and ones 🗀 a three-digit number and tens 🗀 a three-digit number and hundreds 🗀 add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction 🗀 estimate the answer to a calculation and use inverse operations to check answers 🗀 solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

Objec-	Concrete	Pictorial	Abstract
tive	Concrete	ricional	Absiruci
2 digit subtract 2 digit ( no regroup)	75 - 32 = 43  Children to physically remove the counters from the grid starting with the ones	Ensure the children show the subtraction with one diagonal line (/) and not with an $x$	Some children may need to see the expanded method before the formal written subtraction.  To +5  3 0 + 2  40 + 3  Tom has 75 marbles.  He gives 35 marbles to Amir.  How many marbles does Tom have left?
2 digit subtract 2 digit ( with re- group)	Place starting number in counters  Place exchanged counters below the line in regroup section.  Subtract ones and then tens.	Show the exchanged ten with an x  Cross out the subtracted counters with a diagonal line (/)  Show the exchanged There are not enough ones so I need to exchange.  Ensure a line is draw to separate the original number from the 'added ten ones'. This is important to lead into the formal written method.	Move on to the formal written method when appropriate.
3 digit sub- tract 2 digit (no regroup)	Children to physically remove the counters from the grid starting with the ones	Ensure the children show the subtraction with one diagonal line (/) and not with an x	Move on to the formal written method when appropriate.  3 6 7 - 43 32 4

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