# MATHS- ADDITION AND SUBTRACTION



## YEAR 6

#### RECAP

- Add and subtract numbers more than 4 digits using the formal written methods of column addition and subtraction where appropriate.
- Estimate and use inverse operations to check answers to a calculation.
- Solve addition and subtraction multi-step problems in contexts.

#### CRUCIAL KNOWLEDGE

- Add and subtract numbers mentally with increasing large numbers.
- Add and subtract whole numbers with more than 4 digits including using formal written methods (column addition and subtraction)
- Use rounding to check answers to calculations and determine, in the context of the problem, levels of accuracy.
- Inverse operations and missing numbers.
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

### Column Method Starting with the smallest place lumn, subtract each column in turn. Exchange tens,

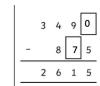
Starting with the smallest place value column, add each column in turn. Exchange tens, hundreds and/or thousands as needed

	4	5	8	6	4	
	2	3	4	9	7	+
	6	9	3	6		
ľ		- 1	- 1	- 1		

#### EXTENDED KNOWLEDGE

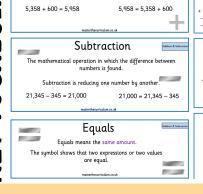
- Use inverse operations to solve a range of problems.
- Reasoning problems where there is more than one pos

Inverse Operations						
This can mean the opposite/ reversing.						
The inverse of addition is subtraction.		3	4	9		
The inverse of subtraction is addition. $17,422 + 5 = 17,427   17,427 - 5 = 17,422$	-		8		5	
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ssible answer.		2	6	1	5	



Addition & Subtry





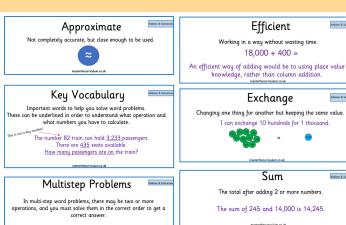
Addition

The mathematical operation to find the sum of two or more numbers

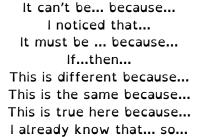


Column Method

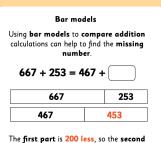
The column method can be an efficient method for addition and subtraction calculations.



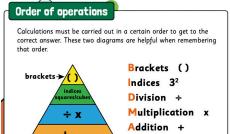
В	Brackets	10 × (4 + 2) = 10 × 6 = 60		
0	Order	5 + 2 <sup>2</sup> = 5 + 4 = 9		
D	Division	10 + 6 ÷ 2 = 10 + 3 = 13		
М	Multiplication	10 - 4 × 2 = 10 - 8 = 2		
Α	Addition	10 × 4 + 7 = 40 + 7 = 47		
S	Subtraction	10 ÷ 2 - 3 = 5 - 3 = 2		



Sentence Stems



part must be 200 more



Subtraction