



Number Crunchers

Numeracy Tips and Hints



**St Cuthbert's
Catholic High School**
Live life in all its fullness

Number Crunchers

Number Crunchers has been designed to give you short and easy to follow numeracy tips to help you in both your maths lessons and in other areas of the Curriculum in which you will use Numeracy skills



What is Numeracy?

Being numerate means being able to reason with numbers and other mathematical concepts and to apply these in a range of contexts and to solve a variety of problems. Being numerate is as much about thinking and reasoning logically as about 'doing sums'.

It means being able to:

- Interpret data, charts and diagrams
- Process information
- Solve problems
- Check answers
- Understand and explain solutions
- Make decisions based on logical thinking and reasoning.



Addition

Problem?

Adding numbers with different numbers of digits.

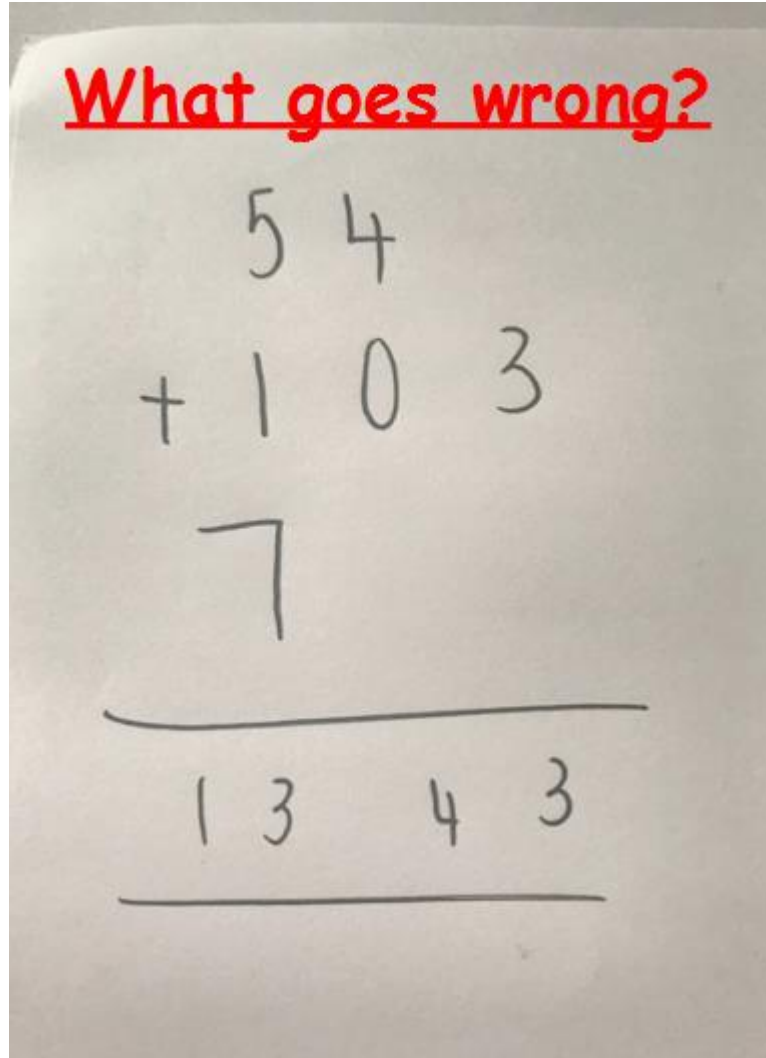
Solution...

Take the time to set out the sum correctly using column method, and ensure the correct place value



Example

$$54 + 103 + 7 =$$



Solution

$$54 + 103 + 7 =$$

	5	4
1	0	3
+		7
<hr/>		
1	6	4
<hr/>		
	1	



Context

James collects stickers. He has 124, his friend Adam gives him 5 more, and James buys another 16 stickers.



How many stickers does James have altogether now?



Your turn...

$$1) 25 + 104 + 8 =$$

$$2) 1042 + 31 + 195 =$$

$$3) 104 + 2003 + 50 =$$

Try these questions for yourself using the method you have been shown



Solutions...

$$1) 25 + 104 + 8 = 137$$

$$2) 1042 + 31 + 195 = 1268$$

$$3) 104 + 2003 + 50 = 2157$$



Challenge

Can you use the same idea with this decimals question?

$$54.25 + 103.9 + 7.035 =$$





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