

Tuesday 26.1.21

L.O. I can add 3-digit numbers using expanded addition

Yesterday we looked at expanded addition when the tens carry over to the hundreds column. Here's another example:



We used estimation to check if the answer was sensible...

	Ex	am	ple	<u>e 1</u>		63	+ 9	92				
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We have also tried examples where the ones carry over into the tens column:



Again we should check if the answer is sensible...

Example 2: 239 + 154

This time we can round to the nearest 100 to estimate

the answer:

200 + 200 = 400

So we know our answer of 393

is a reasonable one.

Can you work out what has gone wrong with this calculation?



Let's estimate...

<u>Example 3</u>: 129 + 233 = 812

Round to the nearest 100 to estimate the answer:

100 + 200 = 300

So we know our answer of 812

must be incorrect.

Let's go back and try again:



TASK: You should try to complete two sections

EXTRA MILD	MILD	<u>SPICY</u>	<u>HOT</u>		
18 + 10	39 + 20	145 + 233	438 + 214		
17 + 3	46 + 23	350 + 246	472 + 386		
26 + 10	24 + 35	183 + 64	463 + 258		
15 + 5	28 + 41	249 + 25	543 + 267		
8 + 8	33 + 26	352 + 271	694 + 149		

<u>Challenge</u>: Choose two 3 digit numbers, each bigger than 200, that add together to make 652. Can you find 5 different ways to do it? Example: 240 + 412 = 652