

Mathematics

Integer Addition and Subtraction: Problem solving using the column method

Ms Jeremy





Pause the video to complete your task



Resume once you're finished

Bar model:

Estimation:

Calculation:

$$\begin{array}{r} 78426 \\ + 139.02 \\ \hline \\ \hline \end{array}$$





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Resume once you're finished

Bar model:

Estimation:

Calculation:

$$\begin{array}{r} 716598 \\ - 354710 \\ \hline \\ \hline \end{array}$$





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Resume once you're finished

What errors have been made here?

1)		6	3	9	7	2
	-	4	7	3	5	4
		2	4	6	2	2

	4	7	6	3	2	1
-		3	9	5	0	3
	4	4	7	8	2	8

*'I can see that the error made here is _____.
I know this because _____.'*



Incomplete column method

Is it possible to complete the calculation using the column method?

$$\begin{array}{r} 1) \quad 5 \quad 6 \quad 3 \quad \square \quad 8 \\ + \quad 2 \quad \square \quad 0 \quad 5 \quad 1 \\ \hline \square \quad 5 \quad 3 \quad 9 \quad \square \\ \hline \end{array}$$

'First I will consider the digits in the ones column: _____.

Now, I will look at the digits in the tens column: _____ ...'





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Resume once you're finished

Independent Task

- 1) Use the column method to estimate and calculate: $672\,443 + 169\,967 =$
- 2) Use the column method to estimate and calculate: $813\,922 - 176\,589 =$
- 3) Identify the error that has been made here:

	7	5	2	1	6	8
-	3	7	0	5	4	
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	3	8	1	6	2	8
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- 4) Create your own maths word problem/story and add your own bar model and calculation.

