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:

Calculation:

$$\begin{array}{r} 78426 \\ +\ 13902 \\ \hline \\ \hline \end{array}$$

Estimation:

Pause the video to complete your task

Resume once you're finished

Bar model:

Estimation:

Calculation:

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

Pause the video to complete your task

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?

1)

	5	6	3	□	8
+	2	□	0	5	1
	□	5	3	9	□

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

Pause the video to complete your task

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:

$$\begin{array}{r} 752168 \\ -\ 37054 \\ \hline 381628 \end{array}$$

4) Create your own maths word problem/story and add your own bar model and calculation.