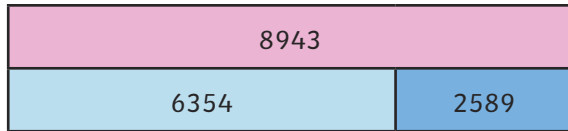


Checking Strategies



- 1) Write two addition and two subtraction calculations using the bar model.



- 2) a) Tick the subtractions that can be used to check the addition $2153 + 3246 = 5399$.

$5399 - 2153$	$2153 - 3246$
$3246 - 2153$	$5399 - 3246$

- b) Tick the additions that can be used to check the subtraction $4632 - 2510 = 2122$.

$2510 + 2122$	$4632 + 2122$
$2122 + 2510$	$2150 + 4632$

- 3) Use an inverse operation to check each calculation.

a)

	Th	H	T	O
	3	2	5	3
+	1	3	1	6
	4	5	6	9

b)

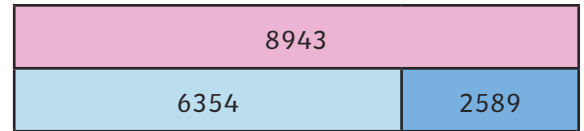
	Th	H	T	O
	3	4 ³	¹ 2	5
-	1	2	6	3
	2	1	6	2



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Checking Strategies



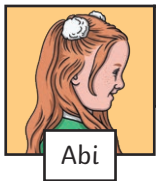
- 1) Three children are calculating $4587 + 3869$. They want to check their answers using an inverse operation. Who do you agree with? Explain your answer.



The inverse is
 $4587 - 8456 = 3869$.

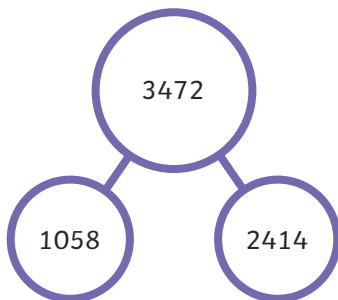


We need to calculate
 $8456 - 3869 = 4587$.



The corresponding subtraction is
 $8456 - 4587 = 3959$.

- 2) Joseph has written some addition and subtraction calculations based on this part-whole model. Can you spot any mistakes? Explain your answer.



- A $1058 + 2414 = 3472$
- B $2414 = 1058 - 3472$
- C $3472 - 1058 = 2414$
- D $2414 = 1058 + 3472$

- 3) Is Priya's statement correct? Prove it.

I have completed this subtraction.
 $5674 - 2647 = 3027$
I can check my answer using the inverse calculation
 $5674 + 3027$.



Checking Strategies



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The inverse is
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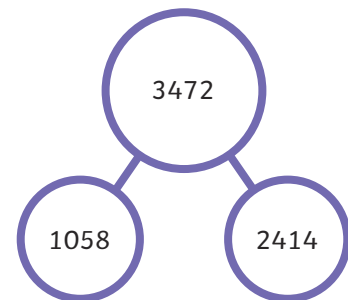


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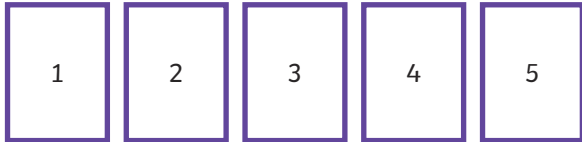
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I can check my answer using the inverse calculation
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Checking Strategies

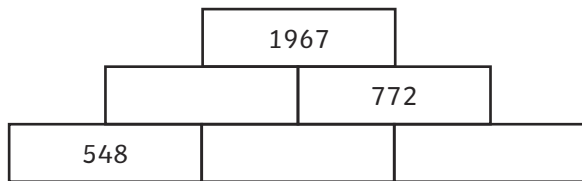


- 1) Jia has used the digit cards to create an addition calculation that equals 4668.

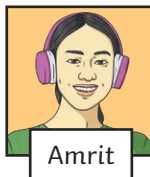


Find three possibilities. You can use each digit more than once. Check your answers using inverse operations.

- 2) Find the missing numbers using the inverse operation. Each number is the sum of the two numbers below.



- 3) Amrit has completed an addition calculation. What could her calculation have been?



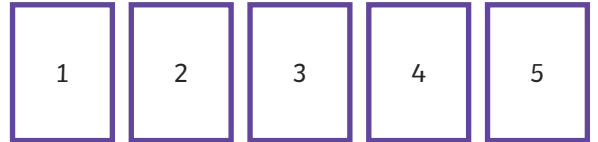
The answer to the inverse of my calculation was 2367.
One of the numbers in my completed calculation was 6499.



Checking Strategies

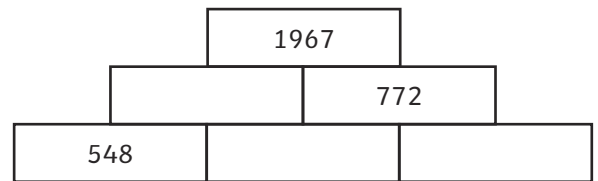


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