

Subtract Two 4-Digit Numbers – One Exchange



- 1) Use the place value chart to help you complete the subtraction calculation.

Th	H	T	O
1000 1000	100 100	10 10	1 1
1000	100 100		1 1
			1

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

- 2) Complete the subtraction calculations.

a)

	Th	H	T	O
	8	3	7	4
-	6	5	4	3

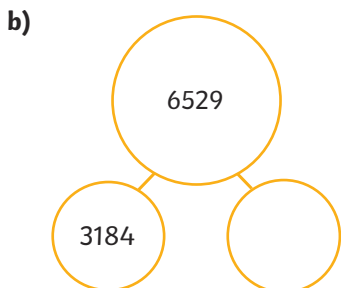
b)

	Th	H	T	O
	4	3	8	2
-		6	5	2

- 3) Work out the missing numbers.

a)

9583
4712



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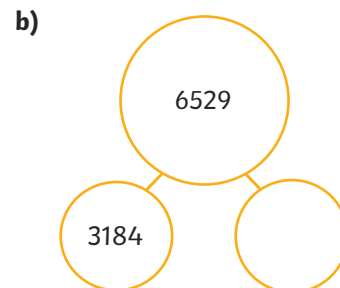
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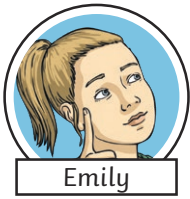
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Subtract Two 4-Digit Numbers – One Exchange



1) Emily and Hari are calculating $6775 - 238$.



	Th	H	T	O
	6	7	⁶ 7	5
-	2	3	8	
	4	3	9	5



	Th	H	T	O
	6	7	7	5
-		2	3	8
	6	5	4	3

- a) Can you explain their mistakes?
b) Work out the correct answer.

2) Felix is using place value counters and a place value chart to calculate $5645 - 3741$. Do you agree with his statement? Explain why.

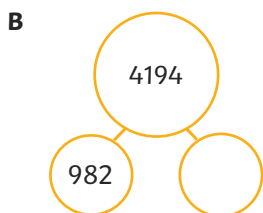
Th	H	T	O
1000 1000	100 100	10 10	1 1
1000 1000	100 100	10 10	1 1
1000	100 100		1



I need to exchange 1 hundreds counter for 10 tens counters.

3) Which is the odd one out? Explain your reasoning.

A $4607 - 1395$



C

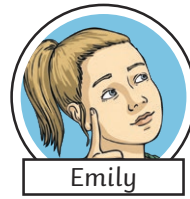
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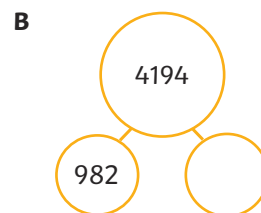
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- 1) What could the missing digits be in each calculation? Find all possibilities.

a)

	Th	H	T	O
	6	⁵6	¹ 5	8
-	3	2	<input type="text"/>	2
	3	3	<input type="text"/>	6

b)

	Th	H	T	O
	⁵	<input type="text"/>	5	8
-	2	<input type="text"/>	1	3
	3	6	4	5

- 2) Use the clues to work out what the missing digits are in this calculation.

	Th	H	T	O
	8	<input type="text"/>	6	5
-	2	4	8	3
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

The missing digit in the top number is odd.
The digit sum of the answer is 16.
The thousands digit in the answer is 6.

- 3) Bartek has created a 4-digit number using each digit card only once. When his number is subtracted from 9629, only one exchange is required.



Find all of the possible subtractions that Bartek could have created and work out the answers.



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