

Subtract two 4-digit numbers – one exchange

1

Th	H	T	O
<div>1,000</div> <div>1,000</div> <div>1,000</div> <div>1,000</div>	<div>100</div> <div>100</div> <div>100</div>	<div>10</div> <div>10</div>	<div>1</div> <div>1</div> <div>1</div> <div>1</div> <div>1</div>

a) Use the place value chart to complete the calculation.

$$4,325 - 3,115 = \boxed{}$$

I

Th	H	T	O
<div>1,000</div> <div>1,000</div> <div>1,000</div> <div>1,000</div>	<div>100</div> <div>100</div> <div>100</div>	<div>10</div> <div>10</div>	<div>1</div> <div>1</div> <div>1</div> <div>1</div> <div>1</div>

a) Use the place value chart to complete the calculation.

$$4,325 - 3,115 = \boxed{}$$



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<div><div><div><div>1,000</div></div><div><div>1,000</div></div></div><div><div><div>1,000</div></div><div><div>1,000</div></div></div></div>	<div><div><div><div>100</div></div><div><div>100</div></div></div><div><div><div>100</div></div></div></div>	<div><div><div><div>10</div></div><div><div>10</div></div></div></div>	<div><div><div><div>1</div></div><div><div>1</div></div></div><div><div><div>1</div></div><div><div>1</div></div></div><div><div><div>1</div></div></div></div>

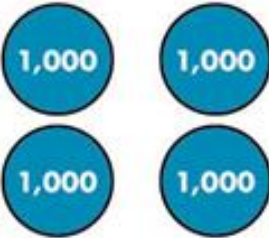


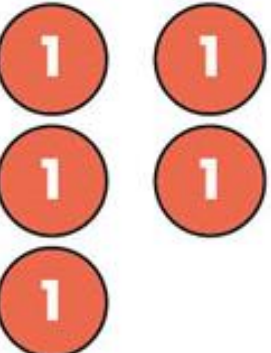
a) Use the place value chart to complete the calculation.

$$4,325 - 3,115 = \boxed{1,210}$$

Did you get 1,210?

- I** b) Use the place value chart to complete the calculation.

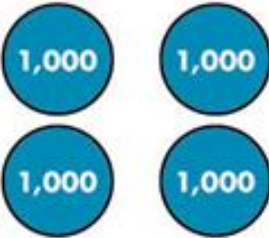


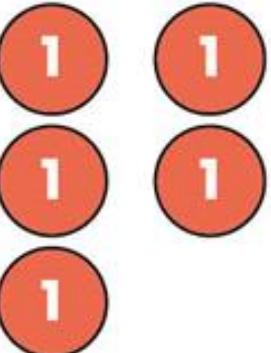
$$4,325 - 3,116 = \boxed{}$$

Th	H	T	O
			

What do you notice?

- I** b) Use the place value chart to complete the calculation.

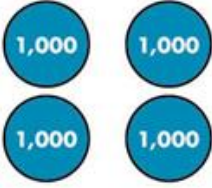

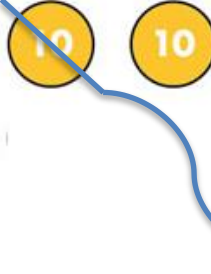

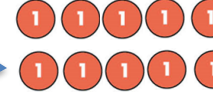
$$4,325 - 3,116 = \boxed{}$$

Th	H	T	O
			

Did you spot there aren't enough ones to take 6 ones away?
So what do we do?

- I** b) Use the place value chart to complete the calculation.

$$4,325 - 3,116 = \boxed{}$$

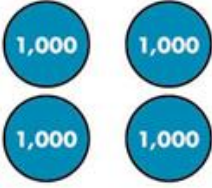

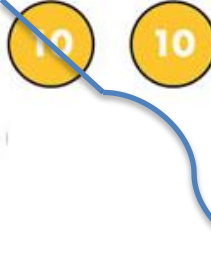
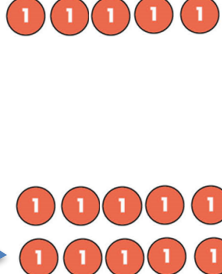
Th	H	T	O
			 

We exchange 1 ten for 10 ones.



- I** b) Use the place value chart to complete the calculation.

$$4,325 - 3,116 = \boxed{}$$

Th	H	T	O
			

We exchange 1 ten for 10 ones.

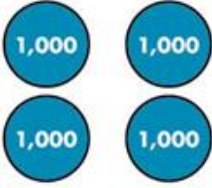

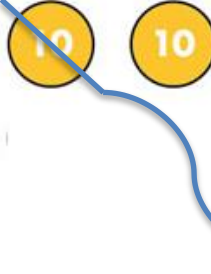
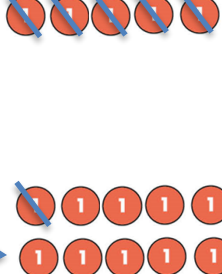
Now we can take 6 ones away from 15.

$$15 - 6 =$$



- I** b) Use the place value chart to complete the calculation.

$$4,325 - 3,116 = \boxed{}$$

Th	H	T	O
			

We exchange 1 ten for 10 ones.

Now we can take 6 ones away from 15.

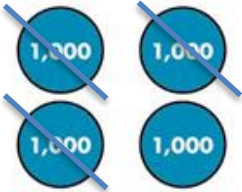

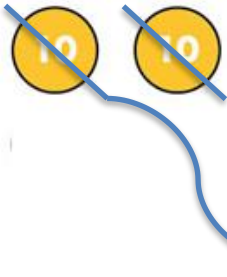
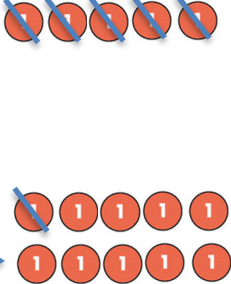
$$15 - 6 = 9$$

Is the final answer?



- I** b) Use the place value chart to complete the calculation.

$$4,325 - 3,116 = \boxed{}$$

Th	H	T	O
			

Did you get **1209**?



2 Complete the sentences.

1 ten can be exchanged for ones.

1 hundred can be exchanged for 10 _____.

1 thousand can be exchanged for _____.

2 Complete the sentences.

1 ten can be exchanged for ten ones.

1 hundred can be exchanged for 10 tens.

1 thousand can be exchanged for ten hundreds.



3

Use a place value chart to complete the calculations.

a)

		Th	H	T	O	
		8	7	3	3	
	–	5	3	1	5	

Th	H	T	O



3

Use a place value chart to complete the calculations.

a)

		Th	H	T	O	
		8	7	3	3	
	–	5	3	1	5	

Th	H	T	O



3

Use a place value chart to complete the calculations.

a)

		Th	H	T	O	
		8	7	3 ²	¹ 3	
	—	5	3	1	5	
		3	4	1	8	

Th	H	T	O

6 Hilda is calculating $3,565 - 2,146$

Here is her working.

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

Do you agree with Hilda? _____

Explain your answer.

6 Hilda is calculating $3,565 - 2,146$

Here is her working.

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

Do you agree with Hilda? No

Explain your answer.

Hilda has subtracted 5 from 6 to get 1 ($6 - 5 = 1$) but she should have
 tried $5 - 6$ and exchanged a ten for 10 ones to make $15 - 6 = 9$.

7

A car costs £7,617

A motorbike costs £2,231 less than the car.

How much does the motorbike cost?

You can use place value counters or column subtraction to calculate the answer.

7

A car costs £7,617

A motorbike costs £2,231 less than the car.

How much does the motorbike cost?

If you used column subtraction did you make this calculation?

T	H	T	O
7	6	1	7
2	2	3	1

7

A car costs £7,617

A motorbike costs £2,231 less than the car.

How much does the motorbike cost?

Did you get 5,386?

	T	H	T	O
	7	6 ⁵	¹ 1	7
—	2	2	3	1
	5	3	8	6

5, 386