Subtract two 4-digit numbers – more than one exchange

1 Kim has made a number using base 10

Th	H	T	O

a) Subtract 8 from Kim's number.

b) Explain the method you used.

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c) Subtract 20 from Kim's number.

d) Subtract 900 from Kim's number.
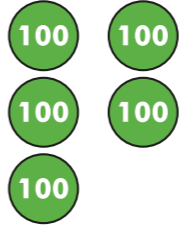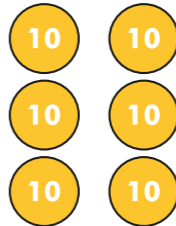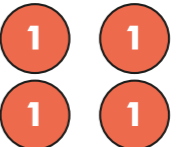
e) Complete the subtractions.

1,702 – 28 =   1,702 – 928 =

2 Use the place value chart to complete the subtractions.

H	T	O
100 100	10 10	1 1
100 100	10 10	1 1
100	10 10	
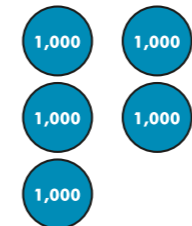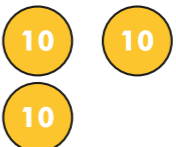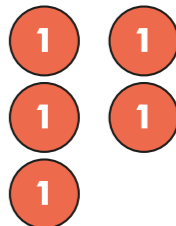
a) 564 – 354 =   **c)** 564 – 365 =

b) 564 – 355 =

Look at your calculations in parts a), b) and c).

What is the same? What is different?

3 Use the place value chart to complete the subtractions.

Th	H	T	O
1,000 1,000	100 100	10 10	1 1
1,000 1,000	100 100	10	1 1
1,000			1

a) 5,435 – 2,036 =

b) 5,436 – 2,036 =

c) 5,437 – 2,036 =

Look at your calculations in parts a), b) and c).

What is the same? What is different?

4 Complete the calculations.

a)
		Th	H	T	O	
		7	3	2	5	
	–	2	4	0	6	

c)
		Th	H	T	O	
		7	1	0	2	
	–		3	9	8	

b)
		Th	H	T	O	
		5	6	3	4	
	–	2	7	4	5	

d)
|		Th	H	T	O	
		5	0	0	0	
	–	1	7	3	3	

5 A jug contains 1,500 ml of juice.
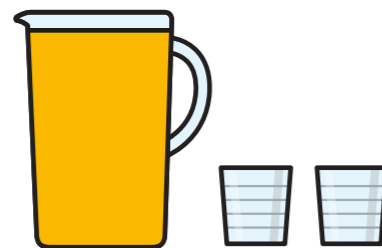
The juice is poured into 2 glasses.

Each glass holds 258 ml of juice.

How much juice is left in the jug?

6 Work out the missing digits.

a)
		Th	H	T	O	
		7			4	
	–	1	2	3		
			9	5	8	

b)
		Th	H	T	O	
		4	0		3	
	–			3	8	
			8	4		

7 Arrange all the digit cards to make a possible subtraction for each description.

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

a) There are two exchanges.
The answer is
less than 2,000

b) There are two exchanges.
The answer is
greater than 4,000

c) There are three exchanges.

White Rose Maths