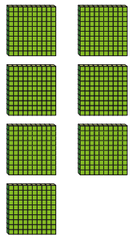
Subtract two 4-digit numbers – more than one exchange

1 Kim has made a number using base 10

Th	H	T	O
			

a) Subtract 8 from Kim's number.

1,694

b) Explain the method you used.

Exchange 1 hundred for 10 tens then 1 ten for 10 ones.

c) Subtract 20 from Kim's number. 1,682

d) Subtract 900 from Kim's number. 802

e) Complete the subtractions.

1,702 – 28 = 1,674 1,702 – 928 = 774

2 Use the place value chart to complete the subtractions.

H	T	O
100 100 100 100 100	10 10 10 10 10 10	1 1 1 1

a) 564 – 354 = 210 **c)** 564 – 365 = 199

b) 564 – 355 = 209

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 1,000 1,000 1,000	100 100 100 100	10 10 10	1 1 1 1 1

a) 5,435 – 2,036 = 3,399

b) 5,436 – 2,036 = 3,400

c) 5,437 – 2,036 = 3,401

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~~ 6	~~2~~ 1 3	~~5~~ 1 5
–	2	4	0	6
	4	9	1	9

b)

	Th	H	T	O
	~~5~~ 4	~~6~~ 5	~~3~~ 12	4
–	2	7	4	5
	2	8	8	9

c)

	Th	H	T	O
	~~7~~ 6	~~1~~ 10	~~0~~ 9	12
–		3	9	8
	6	7	0	4

d)

	Th	H	T	O
	~~5~~ 4	~~0~~ 9	~~0~~ 9	10
–	1	7	3	3
	3	2	6	7

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?

984ml

6 Work out the missing digits.

a)

	Th	H	T	O
	~~7~~ 6	1 1	~~8~~ 9	14
–	1	2	3	6
	5	9	5	8

b)

	Th	H	T	O
	~~4~~ 3	10	~~8~~ 7	13
–		2	3	8
	3	8	4	5

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 2 exchanges.
The answer is less than 2,000

E.g.

	2	3	5	3
–	1	0	6	4

b) There are 2 exchanges.
The answer is greater than 4,000

E.g.

	7	6	4	0
–	2	3	5	1

c) There are 3 exchanges.

E.g.

	7	4	2	0
–	6	5	3	1