

LESSON 1

- Can I solve subtractions with numbers up to four digits? (Part 1)

Fast five

1) Place these in order lowest to highest: 3587, 3578, 3857, 3758,

2) $2831 + 654 =$

3) $15 \times 24 =$

4) How many vertices does a cube have?

5) $2.54 + 3.25 =$

Fast five

1) Place these in order lowest to highest: **3578, 3587, 3758, 3857**

2) $2831 + 654 = 3485$

3) $15 \times 24 = 360$

4) How many vertices does a cube have? **8**

5) $2.54 + 3.25 = 5.79$

When subtracting two numbers, we need to remember to use the column method.

By doing this, it helps to clearly lay out our working out and keeps the numbers with their correct place value.

We start on the right side (ones in this example) and move left.

$$2893 - 461 =$$

Once the numbers are in the correct positions, we subtract the numbers in each column!

Th	H	T	O	
2	8	9	3	$3 - 1 = 2$
-	4	6	1	
			2	

$2893 - 461 =$

	Th	H	T	O
	2	8	9	3
-		4	6	1
			3	2

$9 - 6 = 3$

$2893 - 461 =$

	Th	H	T	O
	2	8	9	3
-		4	6	1
		4	3	2

$8 - 4 = 4$

$$2893 - 461 = 2432$$

	Th	H	T	O
	2	8	9	3
-		4	6	1
	2	4	3	2

$$2 - 0 = 2$$

$56 - 48 =$

Once the numbers are in the correct positions, we subtract the numbers in each column!

	Th	H	T	O
			5	6
-			4	8

We start on the right side (the ones column)

We cannot do $6 - 8$ without getting a negative number.

We therefore **regroup** and take one of the tens and add it to the 6 ones to make 16 ($10 + 6 = 16$).

This reduces the number in the tens column from 5 to 4 .

$$56 - 48 =$$

Th	H	T	O
		4	1
		5	6
		4	8

$$56 - 48 = 8$$

Th	H	T	O
		4 5	6
		4	8
		0	8

$$\begin{array}{l} | 6 - 8 = 8 \\ 4 - 4 = 0 \end{array}$$

Once the numbers are in the correct positions, we subtract the numbers in each column!

We start on the right side (the ones column)

We cannot do $4 - 5$ without getting a negative number.

We therefore **regroup** and take one of the tens and add it to the 4 ones to make **14** ($10 + 4 = 14$).

This reduces the number in the tens column from **2** to **1**.

$$1324 - 1215 =$$

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

$$1324 - 1215 = 109$$

	Th	H	T	O
	1	3	2	4
-	1	2	1	5
	0	1	0	9

$$\begin{aligned} 14 - 5 &= 9 \\ 1 - 1 &= 0 \\ 3 - 2 &= 1 \\ 1 - 1 &= 0 \end{aligned}$$

Once the numbers are in the correct positions,
we subtract the numbers in each column!
We start on the right and work left.

$3445 - 2534 =$

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

$$\begin{array}{r} 5 - 4 = 1 \\ 4 - 3 = 1 \end{array}$$

We cannot do $4 - 5$ without getting a negative number.

We therefore **regroup** and take one of the thousands and add it to the 4 hundreds to make 14 ($10 + 4 = 14$).

This reduces the number in the thousands column from 3 to 2 .

$$3445 - 2534 =$$

Th	H	T	O
$\overset{2}{\circlearrowleft} \begin{array}{c} \cancel{3} \\ 2 \end{array}$	$\overset{1}{\circlearrowleft} \begin{array}{c} 4 \\ 5 \end{array}$	$\begin{array}{c} 4 \\ 3 \end{array}$	$\begin{array}{c} 5 \\ 4 \end{array}$

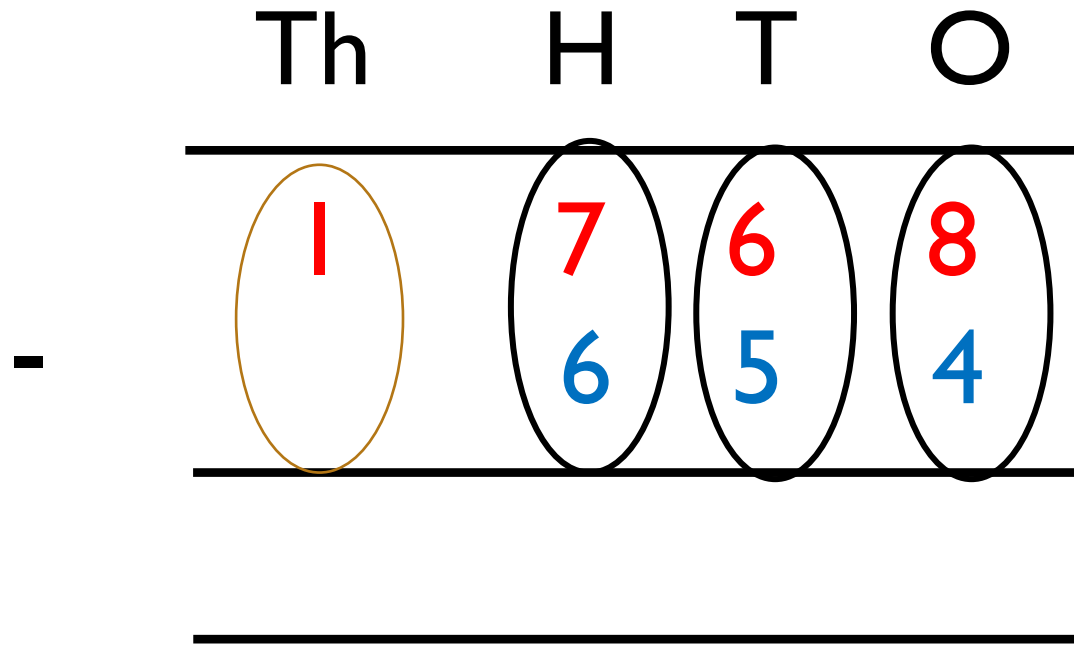
$$3445 - 2534 = 911$$

Th	H	T	O
$\overset{2}{\circlearrowleft} \begin{array}{c} \cancel{3} \\ 2 \end{array}$	$\overset{1}{\circlearrowleft} \begin{array}{c} 4 \\ 5 \end{array}$	$\begin{array}{c} 4 \\ 3 \end{array}$	$\begin{array}{c} 5 \\ 4 \end{array}$
0	9	1	1

$$\begin{array}{l} 14 - 5 = 9 \\ 2 - 2 = 0 \end{array}$$

On scrap paper or in the back of your book, attempt this question!

$1768 - 654 =$



On scrap paper or in the back of your book, practise this question!

$$1768 - 654 = 1114$$

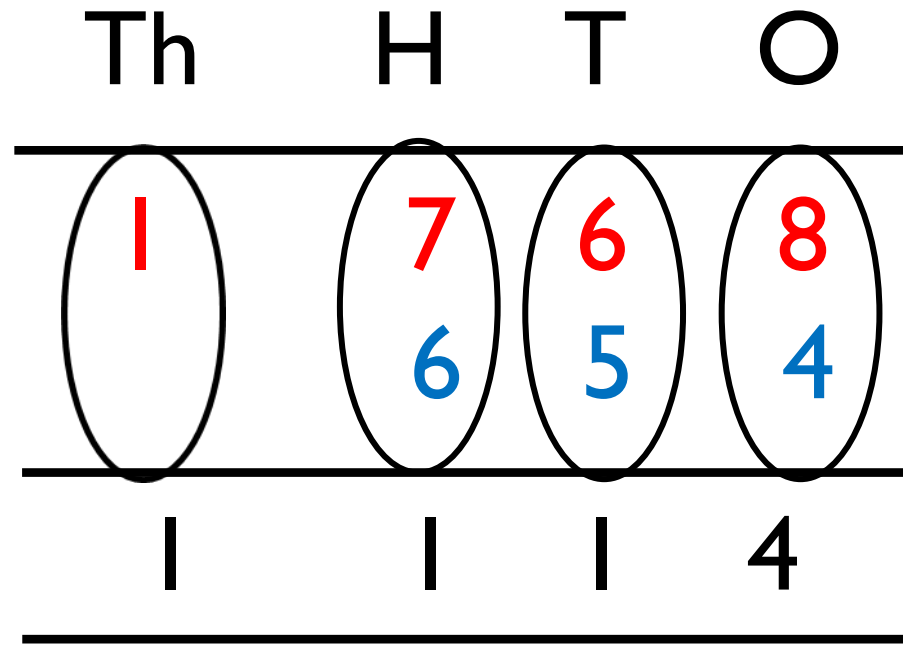
$$8 - 4 = 4$$

$$6 - 5 = 1$$

$$7 - 6 = 1$$

$$1 - 0 = 1$$

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On scrap paper or in the back of your book, practise this question!

$8765 - 1236 =$

	Th	H	T	O
	8	7	6	5
-	1	2	3	6

On scrap paper or in the back of your book, practise this question!

$$8765 - 1236 = 7529$$

5 - 6 = can't be done

Regroup a ten into 10 ones so

$$15 - 6 = 9$$

$$5 - 3 = 2$$

$$7 - 2 = 5$$

$$8 - 1 = 7$$

	Th	H	T	O
	8	7	5 6	1 5
-	1	2	3	6
	7	5	2	9

On scrap paper or in the back of your book, practise this question!

$7568 - 6650 =$

	Th	H	T	O
	7	5	6	8
-	6	6	5	0

On scrap paper or in the back of your book, practise this question!

$$7568 - 6650 = 918$$

$$8 - 0 = 8$$

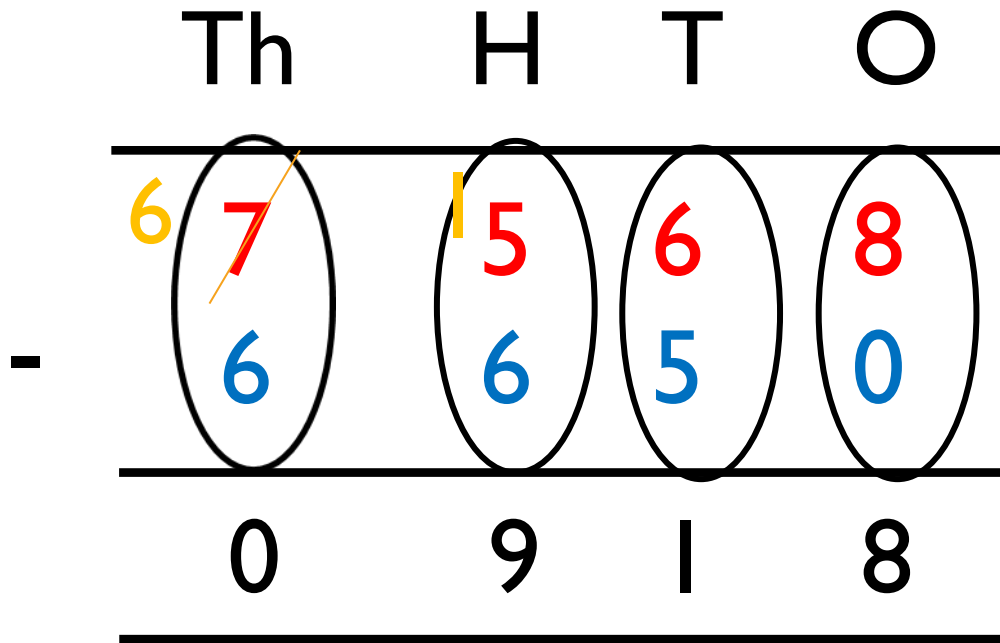
$$6 - 5 = 1$$

5 - 6 cannot be done

Regroup a thousand into 10 hundreds so

$$15 - 6 = 9$$

$$6 - 6 = 0$$



Activity:

Solve the questions from the question sheet. Try to challenge yourself.

Tips:

Ensure you have the numbers in **place order** to start with.

When subtracting, **start** on the **right** (ones) before moving left.

Don't forget that if you complete a subtraction and get a negative number – **regroup**.