

## Lewis Class

### Year 3 Maths (week beginning 13.07.20)

Here are some links to websites that have videos to support your child's learning in Maths. If you are struggling to find time to sit down with them, they could watch and make notes independently. These are not necessarily linked to the current topic but are still useful tools for learning. They can also be used as additional learning if needed.

<https://www.bbc.co.uk/bitesize/subjects/z826n39>

<https://www.thenational.academy/online-classroom/year-3/maths#subjects>

#### **Subtraction**

*We have now come to the end of our maths learning for year 3! For the last 2 weeks of term, we are going to do some revision of methods for addition and subtraction.*

#### **Task 1**

- Subtract 3 digits from 3 digits – no exchange

#### **Base 10:**

Mo uses Base 10 to subtract 142 from 373

H	T	O

	3	7	3
–	1	4	2

Use Mo's method to calculate:

$$565 - 154 \quad 565 - 145 \quad 565 - 165$$

*Use objects at home such as straws to represent the hundreds, tens and ones instead of base 10.*

#### **Column subtraction:**

Watch this video to remind yourself of the method for column subtraction -

<https://www.bbc.co.uk/bitesize/topics/zy2mn39/articles/zc78srd>

Now have a go at these:

a)

		H	T	O	
		3	5	8	
	–	2	2	6	

b)

		H	T	O	
		7	2	6	
	–	3	0	3	

c)  $483 - 353$

d)  $628 - 217$

e)  $394 - 245$

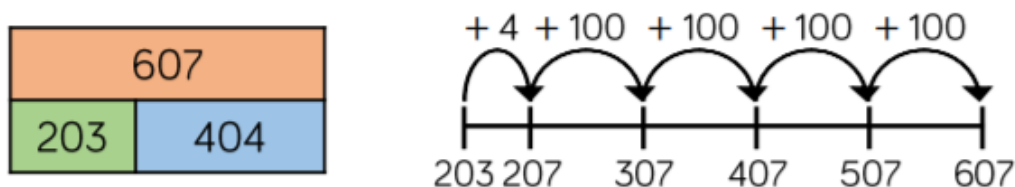
f)  $253 - 131$

## Task 2

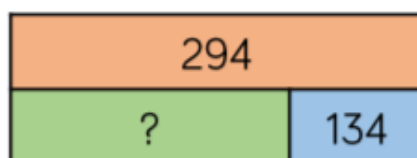
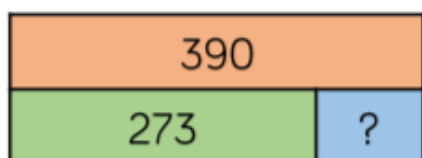
- Subtract 3 digits from 3 digits – no exchange

Number lines and bar models:

We can count on using a number line to find the missing value on the bar model. E.g.



Use this method to find the missing values:



Use a numberline to work out:

- $394 - 283$
- $485 - 143$
- $593 - 452$
- $927 - 514$

Bonus task - represent each calculation in a bar model!

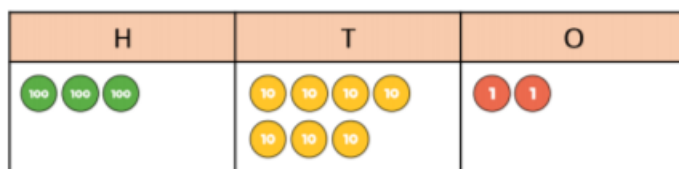
## Task 3

- Subtract 3 digits from 3 digits – with an exchange

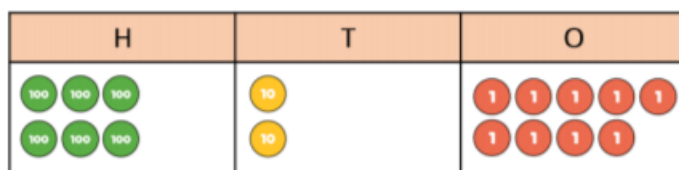
Complete these calculations using objects as home to represent place value counters:

*You will need to exchange a ten so that you have 10 more ones.*

$$372 - 145$$



$$629 - 483$$



- $583 - 424$
- $495 - 248$
- $843 - 493$
- $924 - 409$
- $241 - 134$

Column subtraction – watch the video of me modelling to recap on the method.

Practise the method by having a go at these calculations:

	H	T	O
	6	8	3
–	2	3	4

	H	T	O
	2	3	4
–	1	9	5

	H	T	O
	5	0	7
–	4	5	1

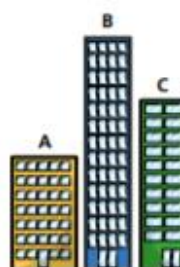
1.  $382 - 236$
2.  $435 - 227$
3.  $624 - 436$
4.  $734 - 352$
5.  $245 - 238$

#### Task 4

- Choose a method to work out the following:

1. Here are 3 buildings.

- A is 150 m tall
- B is 317 m taller than A
- C is 223 m shorter than B



How much taller is C than A?

2. Aisha buys these items.

How much change does she have from £1,000?



Write your own worded questions!

# Task 5

- Reasoning and problem solving

Use the digit cards to complete the calculation.

0 3 4 4 6

7 7 8 9

-		

The digits in the shaded boxes are odd.

Is there more than one answer?

Eva is working out  $406 - 289$

Here is her working out:

Step 1	Step 2
$\begin{array}{r} \overset{3}{\cancel{4}}0\overset{1}{6} \\ - 289 \\ \hline 7 \end{array}$	$\begin{array}{r} \overset{2}{\cancel{4}}\overset{1}{0}\overset{1}{6} \\ - 289 \\ \hline 027 \end{array}$

Explain her mistake.

What should the answer be?

Work out the missing digits.

	H	T	O
	5	?	3
-	2	1	8
	3	1	5

	H	T	O
	?	0	?
-	2	?	8
	2	4	6

**Bonus task – have a go at one of these games to challenge yourself!**

<https://nrich.maths.org/8955>

**Throughout the week - practise multiplication tables:**

You could:

- Focus on whichever one you find difficult to remember and write out in a random order to improve your rapid recall.
- Play on Hit the Button - focus on number bonds, halves, doubles and times tables -

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Do a multiplication dance – <https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4>