



Lesson 3

**Learning Question: Can you subtract 2-digit from 3-digit numbers?**

**\*Exchanging**

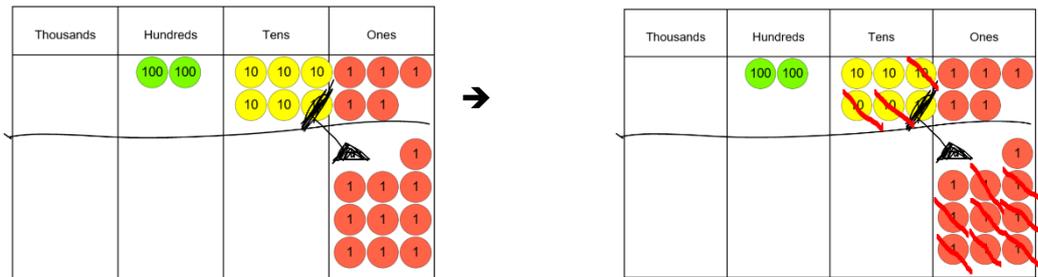
Complete the subtractions following the column method steps, this time you will have to exchange if you can't subtract from a column.

	H	T	O
	2	5	15
-		3	8
	2	2	7

Steps to Column Subtraction

- \*Line up the HTO in the correct columns.
- \*Subtract the ones.
- \*If you can't, then exchange 1 ten for 10 ones.
- \*Subtract the tens.
- \*If you can't, then exchange 1 hundred for 10 tens.
- \*Subtract the hundreds.

E.g. You cannot subtract 8 from 5 so you have to borrow 1 ten and exchange it for 10 ones. Now that you have 15 ones you can subtract 8!



Lesson 4

**Learning Question: Can you subtract 3-digi**

2      2      7

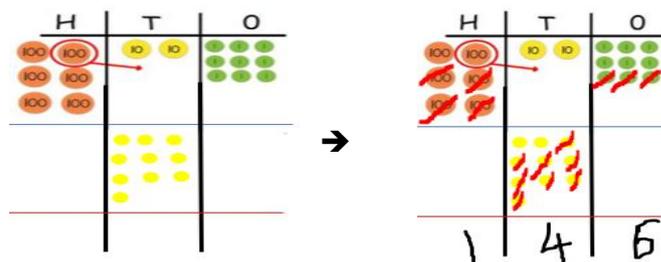
**\*Exchanging**

Follow the same steps from lesson 3 to complete the column subtractions.

For example:  $629 - 483 =$

- \*Line up the HTO in the correct columns.
- \*Subtract the ones.
- \*If you can't, then exchange 1 ten for 10 ones.
- \*Subtract the tens.
- \*If you can't, then exchange 1 hundred for 10 tens.
- \*Subtract the hundreds.

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



**Learning Question: Can you problem solve and reason with column subtraction?**

This lesson involves solving missing number problems and answer reasoning questions.

Task 1 - Solving missing number problems.

For example:

$$\begin{array}{r} 68 \\ - 48 \\ \hline 20 \end{array} \rightarrow \begin{array}{r} 7 \\ 68 \\ - 48 \\ \hline 20 \end{array} \rightarrow \begin{array}{r} 7 \\ 68 \\ - 428 \\ \hline 252 \end{array}$$

$8+2=10$

$7 - \quad = 5$

$6 - 4 = 2$

Follow these tips:

\*Still always start with the ones.

\*Work backwards or use the inverse

\*Use the inverse to check answers (check your work using addition) or check the subtraction with the missing digits filled in. Does the answer still match?

E.g. Now, that I have filled in the missing digits I need to check my answer - Does  $680 - 428 = 252$ ? Check and prove.

Task 2 - Answer reasoning questions explaining how to correctly solve column subtraction questions.

Explain the steps needed to solve a column subtraction correctly. Which column would you start with? What might you need to remember to do if you cannot subtract straight away?

E.g.

$$\begin{array}{r} 65 \\ - 286 \\ \hline \end{array}$$

*I can see the mistake that has been made is that they have not put the largest number on top which means their subtraction will be incorrect.*

Then prove your answer by showing how it should correctly be laid out and solved.

Don't forget you should still be practising your times tables! Make sure your 3,4 and 8 are super speedy before moving onto to your 7 and 9 times tables. You can still be using mathletics and purple mash too for any extra work, times tables practise or just for fun!