

# Maths Home Learning

Remember, all of your home learning, for every subject, can be accessed on Sharepoint.

#### Learning:

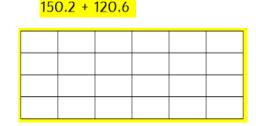
Today we are looking at subtracting more than 4 digits. You will remember how to subtract more than 4 digits from last year and even in Year 4! You will also be able to apply your learning from yesterday to help you.

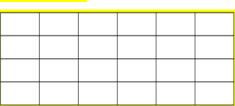
## Starter:

Using our column addition method, can you add together the following sums?

Have a go first, then use the notes below to help with your understanding. Some of these are decimals!

4508 + 6549 147.6 + 151.6





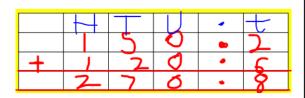
It is important that we lay out our column addition correctly because then we will get the correct answer.

Did yours look like this?

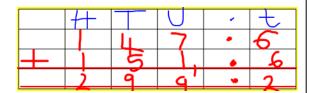
<mark>4508 + 6549</mark>



150.2 + 120.6



147.6 + 151.6



4508 + 6549

You should have used your previous knowledge from the day before to help you with this.

Add the units 8 + 9 = 17 write the 7 down and carry the 1 over.

Add the tens 0 + 4 + 1 (borrowed) = 5

Add the hundreds 5 + 5 = 10 write the 0 carry the 1 over.

Add the thousands 4+6+1 (borrowed) = 11. Put the 1 in the thousands column and then the next 1 into the ten thousand column.

150.2 + 120.6

Looking at the sum, you can see we are adding decimals. Remember the decimal point does not move!

Start with adding the smallest unit which is the tenths. 2 + 6 = 8.

Write the decimal point.

Add the units 0 + 0 = 0

Add the tens 5 + 2 = 7

Add the hundreds 1 + 1 = 2

147.6 + 151.6

Looking at the sum, you can see we are adding decimals. Remember the decimal point does not move!

Start with adding the smallest unit which is the tenths. 6 + 6 = 12. Write the 2 and carry the 1 over to the units. Watch out to not put this into the decimal.

Write the decimal point.

Add the units 7 + 1 = 9

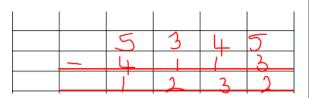
Add the tens 4 + 5 = 9

Add the hundreds 1 + 1 = 2

# Main:

Firstly, I will talk you through how to lay out the sum correctly and answer it.





5345 – 4113

Firstly, lay out the digits into the correct columns. Start writing the units, tens, hundreds and then thousands.

Subtract the units 5-3 = 2

Subtract the tens 4 - 1 = 3

Subtract the hundreds 3-1=2

Subtract the thousands 5-4=1

17,436 - 5217

#### 17,436 - 5217

Next, I will talk you through borrowing when subtracting.



Firstly, lay out the digits into the correct columns. Start writing the units, tens, hundreds, thousands and ten thousand.

Subtract the units 6 -7. Oh wait! 6 is smaller than 7! We must have to exchange. We need to exchange 10 from the 3 in the tens column and place the 1 next to the 6 in the units to become 16. Remember to take a ten from the 3 to make it 2.

So 16 - 7 = 9

Subtract the tens 2 - 1 = 1

Subtract the hundreds 4-2=2

Subtract the thousands 7 - 5 = 2

1/4 876 - 6 087

Subtract the ten thousands 1 - no ten thousands = 1

In your books or using this paper, can you write out the sums correctly and then answer the subtraction questions.

7458 - 6146		10,740 - 8610			

14,070	- 0,90	01		

Next using your subtraction knowledge, can you apply this to working out the subtraction word problems.

A plane is flying at 29,456 feet. During the flight the plane descends 8,896 feet. What height is the plane now flyingat?

Tommy earns £37,506 pounds ayear.

Dora earns £22,819 a year.

How much more money does Tommy earn thanDora?

There are 83,065 fans at a football match. 45,927 fans are male. How many fans are female?

#### Videos to help:

https://whiterosemaths.com/homelearning/year-6/week-3/ Please click onto subtract whole numbers with more than 4 digits (column method).

<u>https://www.youtube.com/watch?v=zMMrJXOEwB0</u> – This video talks you through subtraction using place value counters then moving onto column subtraction.

<u>https://www.youtube.com/watch?v=7Z3ngAx1e84</u> - This video helps with subtracting 4-digit numbers with exchanging.

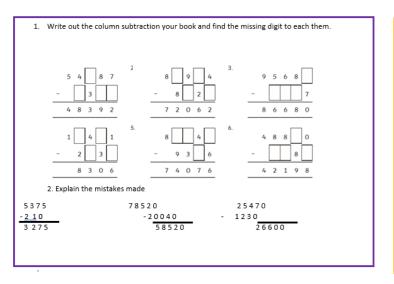
https://www.youtube.com/watch?v=1NX\_yBTxEHg - This video helps with subtracting 5-digit numbers with exchanging.

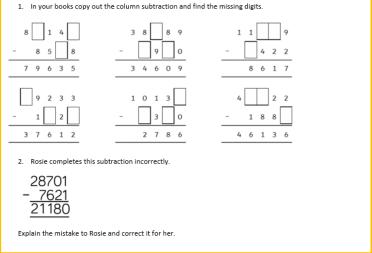
https://www.youtube.com/watch?v=pGbUe 60Npo – This video explains how to find missing digits in subtraction number problems. Some of you may need this with your task!

## **Key Vocabulary:**

Subtracting, exchanging, take away, minus, the difference, tenths, decimal point, units, tens, hundreds, thousands, ten thousand, hundred thousand.

#### Your task:





# **4-Digit Subtraction Activity Sheet**

