


Year 3 Maths Summer Week


10 Lesson 2


Can I use column
subtraction?


Fast Five - Answers on the next slide














Favourite Fruit

 = 2 children

 = 2 children

 = 2 children





 = 2 children

						
						
						
						
						
	Banana	Grapes		Apples	Pears	

1. How many children chose bananas?
2. How many children chose grapes?
3. How many more children chose apples than grapes?
4. How many children were asked altogether?
5. How many children didn't choose pears?

Fast Five - Answers

Favourite Fruit

 = 2 children
 = 2 children
 = 2 children
 = 2 children

	Banana	Grapes	Apples	Pears
1	Banana			
2	Banana		Apple	
3	Banana		Apple	Pear
4	Banana		Apple	Pear
5	Banana	Grapes	Apple	Pear

1. How many children chose bananas? **10**
2. How many children chose grapes? **2**
3. How many more children chose apples than grapes? **6**
4. How many children were asked altogether? **26**
5. How many children didn't choose pears? **20**

Let's recap column subtraction.

First you must place the numbers in the correct columns

$78 - 53 =$



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Once you have placed the numbers into the correct columns, you then need to subtract them. Start by subtracting the ones.

$78 - 53 =$

	H	T	O
		7	8
-		5	3

Subtract the ones column first before subtracting the tens.

$$78 - 53 = 25$$

	H	T	O
		7	8
-		5	3
		2	5

Now you have a go...

$98 - 35 =$

	H	T	O
		9	8
-		3	5

Answer...

$98 - 35 =$

	H	T	O
		9	8
-		3	5
		6	3

The same happens when there are 3 digits in the number. Make sure you line the digits to their correct columns.

$488 - 56 =$



Have a go at laying it out into the right columns.

H	T	O
<hr/>		
-		
<hr/>		
<hr/>		

The same happens when there are 3 digits in the number.
Make sure you line the digits to their correct columns.

$488 - 56 =$

	H	T	O
	4	8	8
-		5	6

When subtracting we start with the ones column and move from right to left.

$488 - 56 =$

	H	T	O
	4	8	8
-		5	6
	4	3	2

Now you have a go...

$269 - 45 =$

	H	T	O
	2	6	9
-		4	5

Answer

$$269 - 45 = 224$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \hline 2 \quad 6 \quad 9 \\ - \quad 4 \quad 5 \\ \hline 2 \quad 2 \quad 4 \\ \hline \end{array}$$

Have a go at this one ...

$654 - 431 =$

	H	T	O
	6	5	4
-	4	3	1

Answer

$$654 - 431 = 223$$

	H	T	O
	6	5	4
-	4	3	1
	2	2	3

When subtracting, sometimes the number we are trying to subtract is bigger than the original number. When this happens, we have to **exchange (also called borrowing or regrouping)** with the number in the **next column**.

$463 - 314 =$

	Th	H	T	O
		4	6	3
-		3	1	4

The **ones** column needs exchanging as there are not enough ones to subtract so we take from the next column.

$463 - 314 =$

	Th	H	T	O
		4	⁵ 6	¹ 3
-		3	1	4

The **ones** column needs exchanging as there are not enough ones to subtract so we take from the next column.

$463 - 314 =$

Th	H	T	O
	4	6	3
	3	1	4
	1	4	9

Once you've exchanged, the 3 becomes 13 and now you can subtract the 4.

Activity:

Red: Subtracting 2 digit numbers from 3 digit numbers.

Yellow: Subtracting 3 digit numbers from 3 digit numbers. Without exchanging.

Green: Subtracting 3 digit numbers from 3 digit numbers. With exchanging.