

Summer Week 2 - Maths Lesson 3

Can I subtract 2-digit or 3-digit numbers from 4-digit numbers?

Fast Five (answers on next page)

1) $6 \times 12 =$

2) $76 + 23 =$

3) $985 + 48 =$

4) $57 - 32 =$

5) $76 - 59 =$

Fast Five **Answers:**

1) $6 \times 12 = 72$

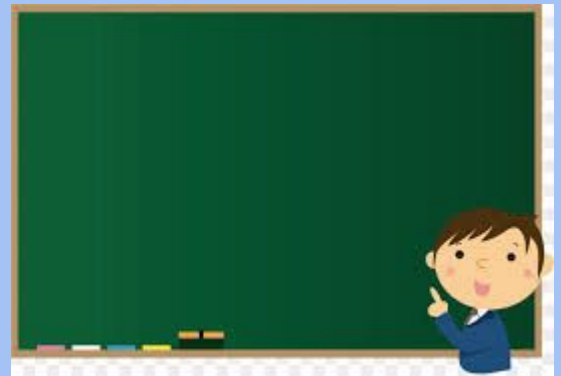
2) $76 + 23 = 99$

3) $985 + 48 = 1,033$

4) $57 - 32 = 25$

5) $76 - 59 = 17$

Today we are going to keep subtracting using the column method, but this time we will be subtracting 2-digit or 3-digit numbers from our first number.



When we subtract a number that has less digits than the biggest number, we need to make sure we place each digit in the correct column.

$$5469 - 312 =$$

Th H T O

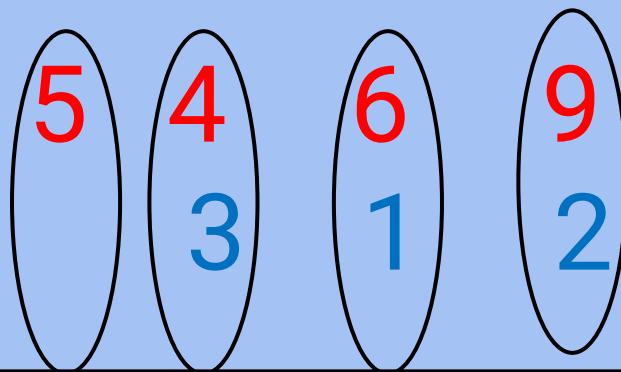
Please also look at the
YouTube page for a video
explaining this question.

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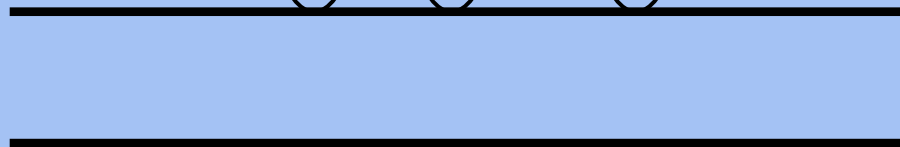
Here are the numbers put into the correct columns.

$5469 - 312 =$

Th H T O



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Once you are happy the numbers are in the correct columns, you complete the calculation as normal.

$$\begin{array}{r} 5469 - 312 = \\ \text{Th} \quad \text{H} \quad \text{T} \quad \text{O} \\ \begin{array}{cccc} \textcircled{5} & \textcircled{4} & \textcircled{6} & \textcircled{9} \\ - & & & \textcircled{2} \\ \hline & & & 7 \\ \hline \end{array} \end{array} \quad 9 - 2 = 7$$

Once you are happy the numbers are in the correct columns, you complete the calculation as normal.

$$\begin{array}{rcccc} 5469 & - & 312 & = & \\ \text{Th} & & \text{H} & & \text{T} & & \text{O} & & \\ \hline & 5 & 4 & 6 & 9 & & & & \\ - & & 3 & 1 & 2 & & & & \\ \hline & & & 5 & 7 & & & & \\ \hline \end{array}$$

$60 - 10 = 50$

Once you are happy the numbers are in the correct columns, you complete the calculation as normal.

$$5469 - 312 = 5157$$

	Th	H	T	O	
	5	4	6	9	$5000 - 0 = 5000$
-		3	1	2	
<hr/>					
	5	1	5	7	
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The same happens when we have a 4-digit number subtract a 2-digit number.

$$6745 - 23 =$$

Th H T O

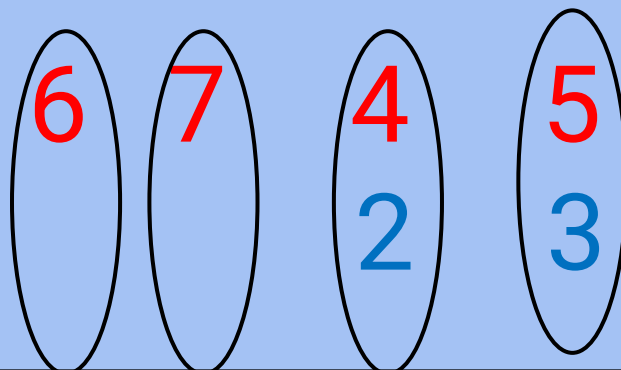
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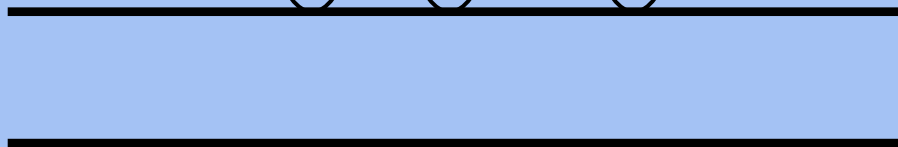
Put the numbers into the correct columns.

$6745 - 23 =$

Th H T O

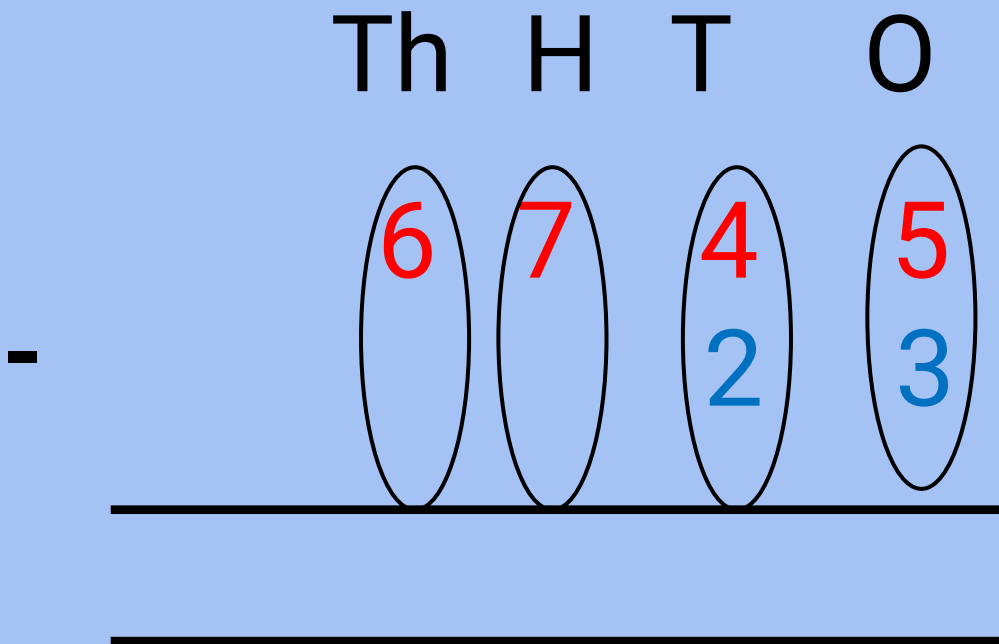


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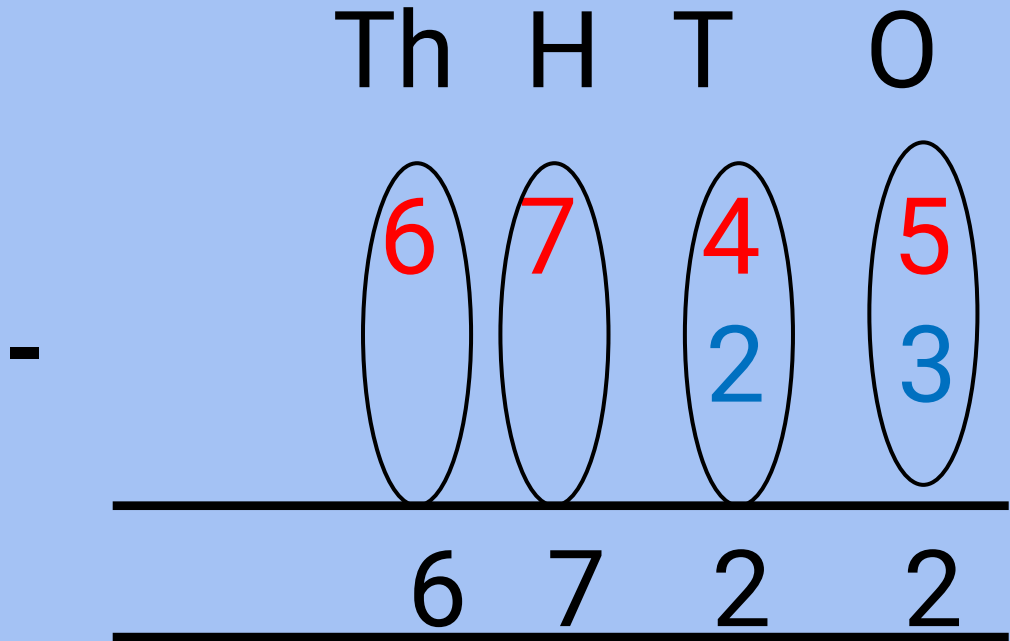
Have a go at answering this question on your own. Remember to start with the smallest value digit.

$$6745 - 23 =$$



The answer is:

$$6745 - 23 = 6722$$



On a piece of paper, have a go at answering these 2 questions using the column method.

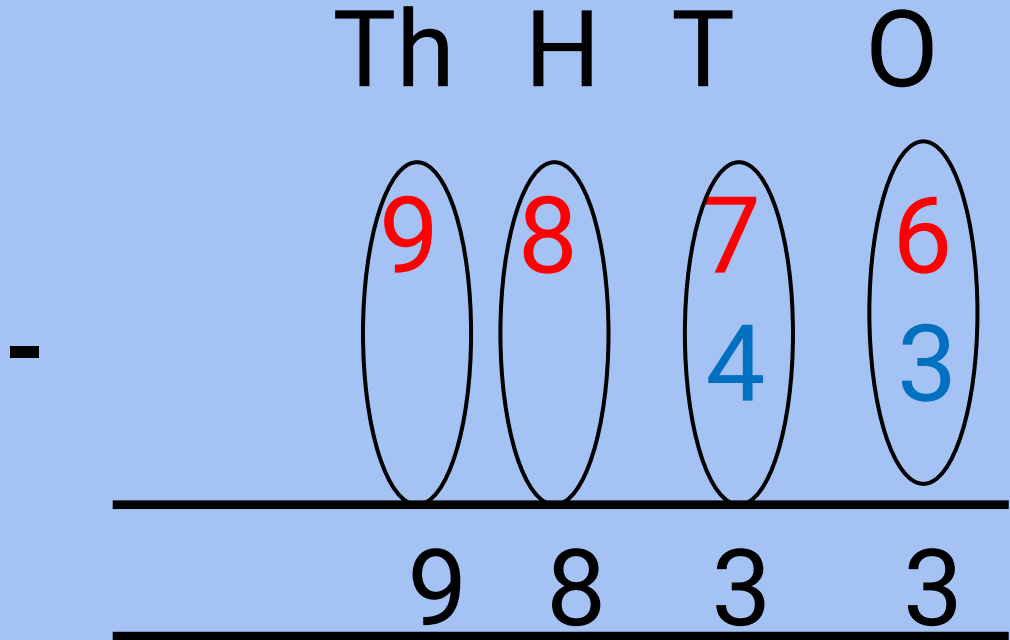
$$1) 9876 - 243 =$$

$$2) 4753 - 48 =$$

The answers are on the next page.

The answer to Question 1:

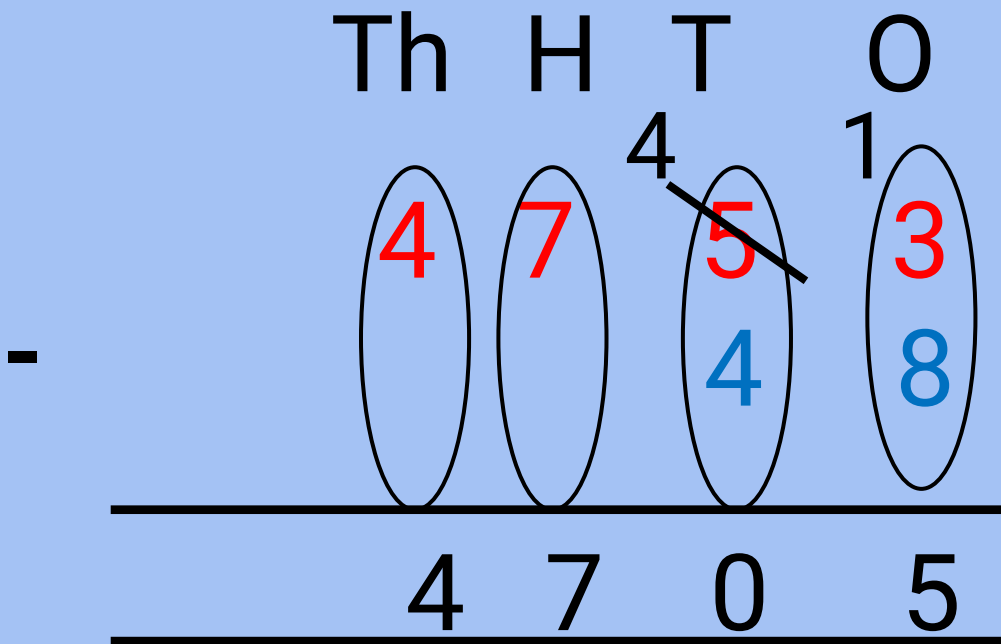
$$9876 - 243 = 9833$$



The answer to Question 2:

$$4753 - 48 = 4705$$

Here we had to exchange one of the tens so we could subtract the ones digits.



Your activity

Red - Answer the subtraction questions using the column method. For the first 4 questions, the columns have been filled in for you.

Yellow - Answer the subtraction questions using the column method. The first column has been filled in for you.

Green - Answer the subtraction questions using the column method. All of the questions require exchanging.