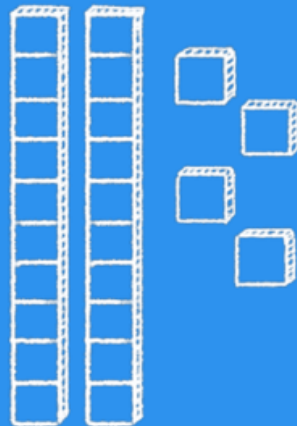




THIRD SPACE  
LEARNING



# HELLO!




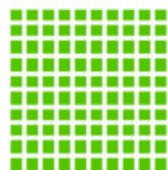
Today we are going to learn about  
exchanging when subtracting

$$24 - 15 = 9$$

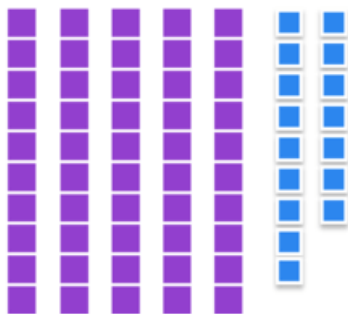
$$\begin{array}{r} \text{10s} \quad \text{1s} \\ 24 \\ - 15 \\ \hline 9 \end{array}$$

# Warm up for exchanging when subtracting

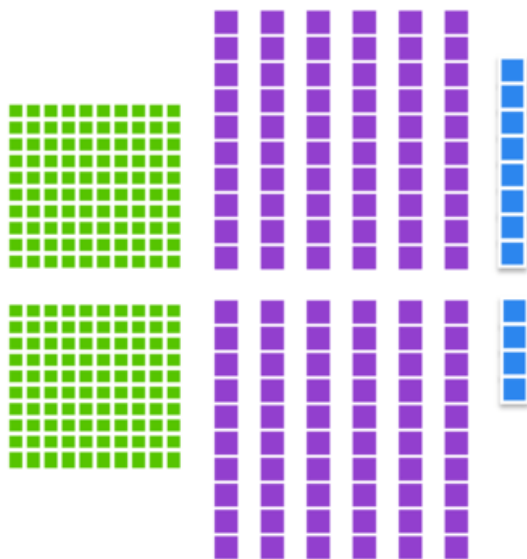
 This is called a long and consists of 10 squares

 This is called a flat and consists of 100 squares

1. How many squares?



2. How many squares?

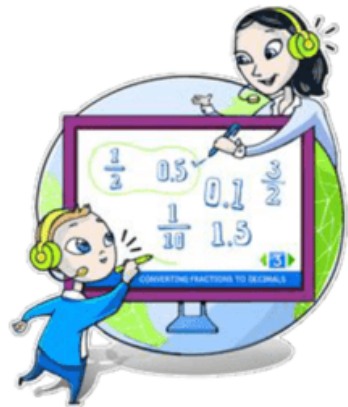









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# Exchanging when subtracting

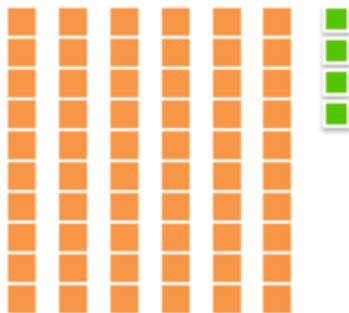
In this session, we are going to learn:



-  to subtract 2-digit numbers using exchanging when necessary
-  to subtract 3-digit numbers using exchanging when necessary
-  to subtract 4-digit numbers using exchanging when necessary
-  to check column subtraction using estimation
-  to check column subtraction using addition

## Subtract 2-digit numbers using exchanging when necessary

There are 64 squares. Take away 37. Why is this hard?



	10s	1s
	6	4
	3	7
-		

## Subtract 2-digit numbers using exchanging when necessary

How could you check your answers, using estimation?



Write these calculations as column subtractions then solve them.

1.  $65 - 28$

	10s	1s
-		
-		
-		

2.  $81 - 35$

	10s	1s
-		
-		
-		

## Subtract 2-digit numbers using exchanging when necessary



1. Write this calculation as a column subtraction then solve it.

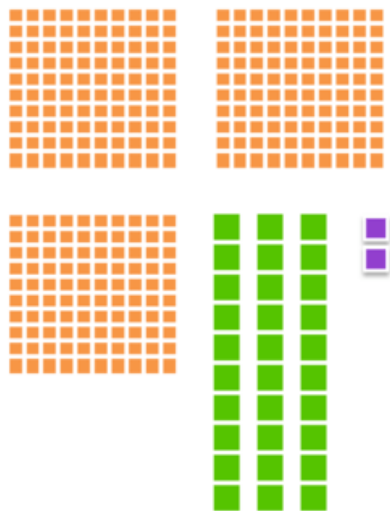
$$93 - 24 =$$

2. Check your answer by adding it to 24.

10s	1s
2	4
+	

## Subtract 3-digit numbers using exchanging when necessary

There are 332 squares. Take away 175.



	100s	10s	1s
	3	3	2
-	1	7	5
<hr/>			
<hr/>			


## Subtract 3-digit numbers using exchanging when necessary



Write these calculations as column subtractions then solve them.

1.  $715 - 208$

2.  $503 - 145$

A white thought bubble with a black outline and a drop shadow, containing blue text.

How could you check your answers, using estimation?




## Subtract 3-digit numbers using exchanging when necessary



Write this calculation as a column subtraction then solve it.

1.  $936 - 342$

A light blue speech bubble with a white border and a drop shadow. It contains the text 'Check your answer using column addition.'

Check your  
answer  
using column  
addition.


## Subtract 4-digit numbers using exchanging when necessary



Write these calculations as column subtractions then solve them.

1.  $7345 - 2083$

2.  $6030 - 1427$

A white thought bubble with a black outline and a drop shadow, containing blue text.


How could you check your answers, using estimation?

## Subtract 4-digit numbers using exchanging when necessary



Write this calculation as a column subtraction then solve it.

1.  $5163 - 2971$

A white speech bubble with a blue gradient and a drop shadow, containing text.

Check your  
answer  
using column  
addition.

## Practice time

For each question:

- a) Work out the answer using column subtraction.
- b) Estimate the answer by counting back in your head.
- c) Check your answer using addition.

1.  $61 - 27$

2.  $605 - 347$

3.  $7247 - 3519$

## Practice time

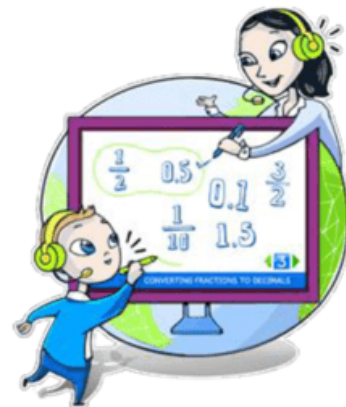
4. The temperature in a furnace increases from 539 to 826 degrees. By how many degrees did it increase?
5. Fill in the gaps:

	1000s	100s	10s	1s
	3	0	7	
-		2		5
	1		3	8



## Exchanging when subtracting

What made you proud in today's session?



You are learning to exchange when subtracting