RECALL

First, make it with dienes or counters.

H	T	O
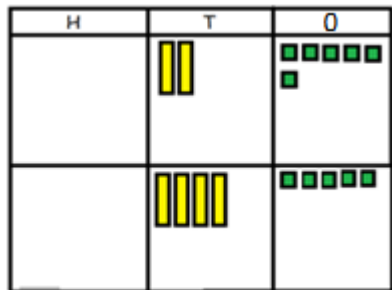
26 + 45 =

Then, carefully remove 10 ones.

H	T	U
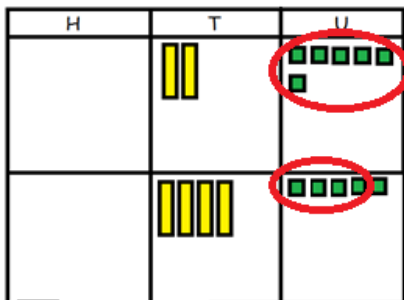
Swap the ten units for a ten stick.

H	T	U
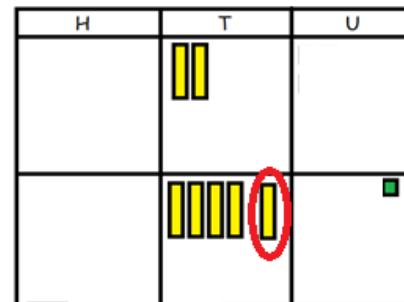
Finally, count it.

Remember - exchange your units if there are more than 10.

8 + 9 =   23 + 38 =   58 + 36 =

11 + 19 =   45 + 27 =   79 + 19 =

Can you solve them with column addition?

LO: I CAN ADD 2 THREE DIGIT NUMBERS (CROSSING 10 OR 100)

Tuesday 6th July 2021

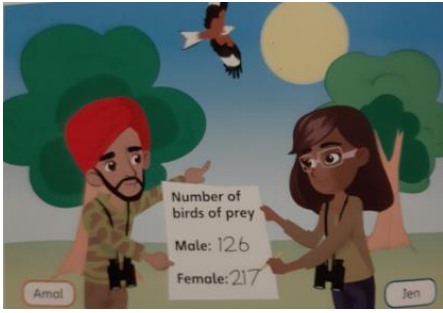**Some will even** solve a selection of word problems.

Some will solve calculations using the column method.

Most will add two 3 digit numbers (crossing 10 or 100) – using equipment.

All will add two 1 or 2 digit numbers.
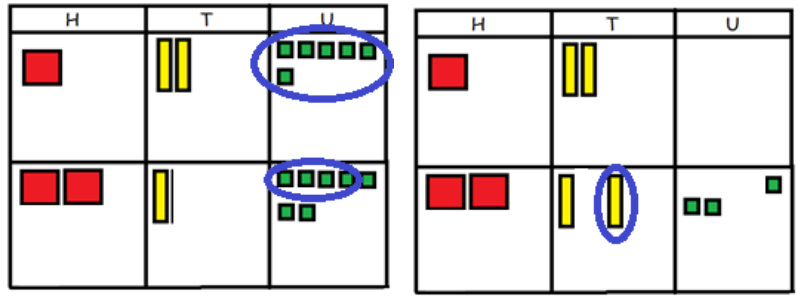
GUIDED PRACTICE

Amal and Jen count how many birds of prey they see.

They see 126 female birds and 217 male birds.

$$126 + 217 =$$

Amal uses a place value mat to organise his thinking.

Amal noticed there were more than 10 **ones** so he exchanged 10 ones for one ten before counting.

Jen decides to use column addition instead.

First, Jen counts the **ones**.

6 + 7 makes 13.   one ten and 3 ones.

There were more than ten ones so she carries the ten over to the **tens** column and writes the 3 ones in the ones column.

	H	T	O
		1	
+	1	2	6
	2	1	7
			3

She then counts the **tens** and **hundreds**.

	H	T	O
		1	
+	1	2	6
	2	1	7
	3	4	3

A different day, they spot 262 male birds and 361 female birds. Let's do this one together.

INTELLIGENT PRACTICE

No exchange needed. 🌶

H	T	O
3	0	6
1	9	2

+ (first row)

H	T	O
4	9	3
2	0	2

+ (first row)

H	T	O
5	3	6
4	3	2

+ (first row)

Exchange 10 ones for 1 ten. 🌶🌶

H	T	O
4	2	5
3	3	5

+ (first row)

H	T	O
1	2	9
7	3	3

+ (first row)

H	T	O
2	5	7
6	2	6

+ (first row)

Exchange 10 tens for 1 hundred. 🌶🌶🌶

H	T	O
1	9	1
7	1	6

+ (first row)

H	T	O
3	8	1
2	4	2

+ (first row)

H	T	O
5	9	0
3	7	2

+ (first row)

Explain how you solved an addition in chilli 2 and in the chilli 3 column. How are they different?
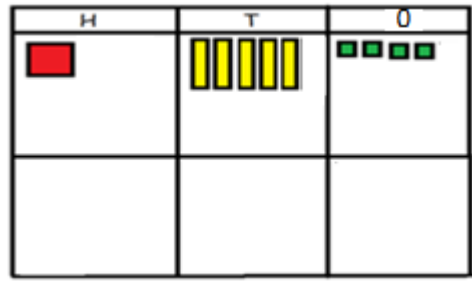
DIVE DEEPER 1

1 Ben spots these birds n the garden.
- 154 blue tits
- 118 robins

He draws 154 in the top box. Draw 118 in the empty boxes beneath.

H	T	O
🟥	🟨🟨🟨🟨🟨	🟩🟩🟩🟩

2 Solve 154 + 118 on the blank column addition template.

H	T	O
+		

3 There are 151 boys and 163 girls at school. How many children are there in total?

H	T	O
+		

4 Match each addition to the correct label. One has been done for you.

H	T	O
	2	3	8
+	1	4	1

H	T	O
	3	7	2
+	1	4	4

H	T	O
	4	2	7
+	2	6	8

No exchange needed

Need to exchange 10 tens for 1 hundred.

Need to exchange 10 ones for 1 ten.

H	T	O
	3	0	8
+	1	5	1

H	T	O
	2	3	5
+	1	5	7

H	T	O
	1	8	7
+	4	7	1

DIVE DEEPER 2

1 I run 519 metres then have a break. Afterwards I ran 290 metres.

How far did I run in total? Prove it.

2 I save £567 in May and £327 in June.

How much did I save altogether?

3 Dexter bakes 148 biscuits on Monday.

On Tuesday he bakes 273 more biscuits than he did on Monday.

How many biscuits does Dexter bake on Tuesday?

How many biscuits does he bake in total on Monday and Tuesday?

4 Tick the additions with an answer that ends in zero.

317 + 203 ☐   192 + 784 ☐   390 + 177 ☐

455 + 165 ☐   386 + 184 ☐   319 + 501 ☐

Did you have to work out all of the additions? If not, which column did you need to look at?

5 Complete the sentences.

The answer to 175 + 212 ends with a _____.

The answer to 609 + 175 ends with a _____.

The answer to 334 + 178 ends with a _____.

6 Lizzy is working out 184 + 217.

I will only need to exchange the ones because the tens only add up to 9.

Is she correct? Test her idea by solving the calculation using column addition. Write an explanation in your book.