RECALL
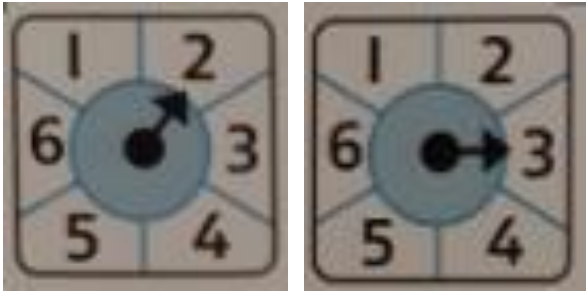
I have a dial.

I spin the dial twice.
The arrow points to 2 the first time and then 3 the second time.
I make the number 23.

99 – 23 =

H	T	O
-	9	9
	2	3
	7	6

Make a 2 digit number from the dial and subtract it from 99 using column subtraction.

- Neatly write the calculation.

- Ensure your digits are in the correct column.

- Solve the calculation.

Remember to start subtraction in the unit column.

Write a calculation for above but solve it mentally (without a written method). How did you solve it?

LO: I CAN SUBTRACT TWO 3-DIGIT NUMBERS (NO EXCHANGE).

Thursday 8th July 2021

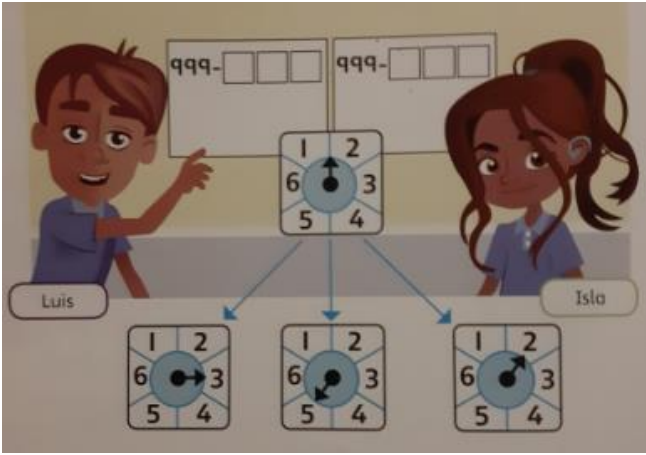**Some will even** solve abstract problems.

Some will identify errors made in calculations / solve word problems.

Most will subtract two 3 digit numbers using column subtraction (no exchange).

All will subtract 1 or 2 digit numbers with adult support.

GUIDED PRACTICE

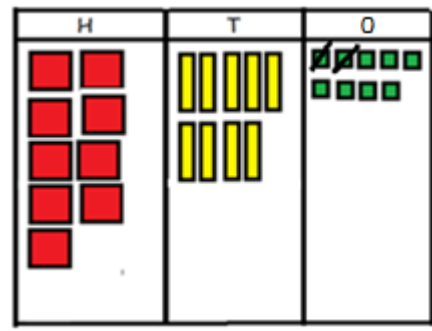The children spin the dial three times and the pointer lands on 3, 5 and 2.

It makes 352.

They write is as a subtraction

999 – 352 =

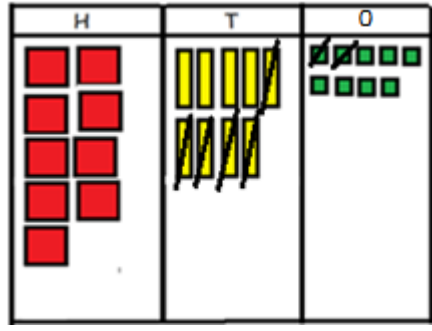Luis solves it by using a place value board.
Isla solves it using column subtraction.

Isla subtracts a column at a time.
She starts with the **ones**, then the **tens** and then the **hundreds**.

H	T	O
- 9	9	9
3	5	2
		7

H	T	O
- 9	9	9
3	5	2
	4	7
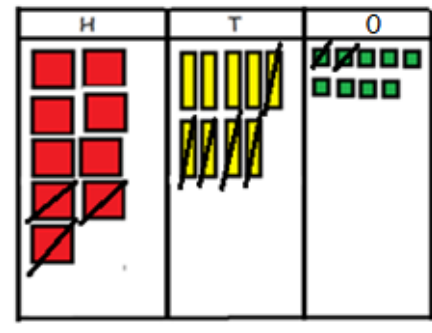
H	T	O
- 9	9	9
3	5	2
6	4	7

INTELLIGENT PRACTICE

2 digit – 2 digit

T	O
6	4
1	2

T	O
7	5
3	2

T	O
8	6
4	3

3 digit – 2 digit

H	T	O
3	6	6
	5	4

H	T	O
5	7	3
	2	1

H	T	O
6	9	8
	1	6

3 digit – 3 digit

H	T	O
4	5	8
3	3	4

H	T	O
8	9	6
3	4	6

H	T	O
7	6	5
3	1	4

Write a column subtraction to make 456.
How many different ways can you make it?
Here is one example.

-	5	6	7
	1	1	1
	4	5	6

DIVE DEEPER 1

1 Jamilla's arrows point to 4, 3 and 5 to make the number 435.
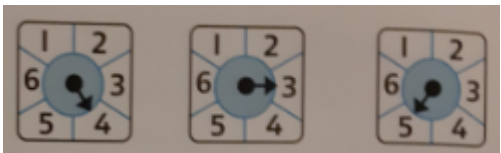
She puts makes 999 on her mat. Then she takes away 435. Cross off 435 .

2 Jamilla then checks her answer using column subtraction. Complete it.

H	T	O
- 9	9	9
4	3	5

If you take away 200 more, what is the total now? _____

3 Henry had 678 sweets but his little sister ate 234. Complete the column Subtraction.

H	T	O
-		

4 Ron is working out 785 – 257
Do you agree with the way Ron has set out the subtraction? Why?
....
....
....
....

	H	T	O
	2	5	7
–	7	8	5

5 A TV costs £120 less than this computer. How much does the TV cost? Prove it.

£499

6 There are 849 people at a concert. There are 625 adults at the concert.

How many children are at the concert?

How many more adults than children are at the concert?

Prove your answers.

DIVE DEEPER 2

1 James tried to subtract 143 from 454. He made a mistake. Explain what he did wrong in your maths book.

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

2 Each of these symbols is used instead of a digit.

$$
\begin{array}{ccc}
H & T & O \\
\star & 4 & \triangle \\
- \; 2 & \square & 2 \\
\hline
\triangle & 1 & 4 \\
\end{array}
$$

★ =
□ =
▲ =

I know the value of the triangle is ____ as ____ take away 2 leaves 4.

I know the value of the square is ____ as 4 take away ____ leaves 1.

I know the value of the star is ____ as ____ take away 2 leaves ____, which is the same value as the triangle.

3 What are the values of these shapes?
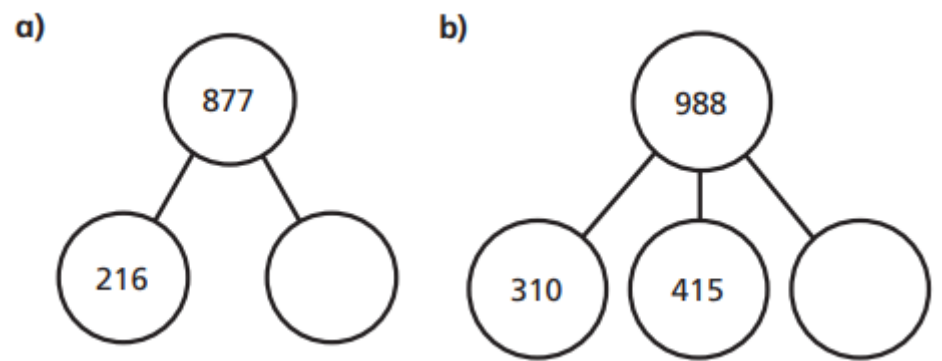
a)

	6	★	8
−	★	△	△
○		1	5

★ = ☐   △ = ☐

○ = ☐

b)

	9	✚	◆
−	✚	4	⬠
◆	⬠	◆	

✚ = ☐   ⬠ = ☐

◆ = ☐

4 Complete the part-whole models.

a)

877
216

b)

988
310   415

How did you solve b?
Write an explanation in your maths book.