MATHEMATICS

Parents' Workshop

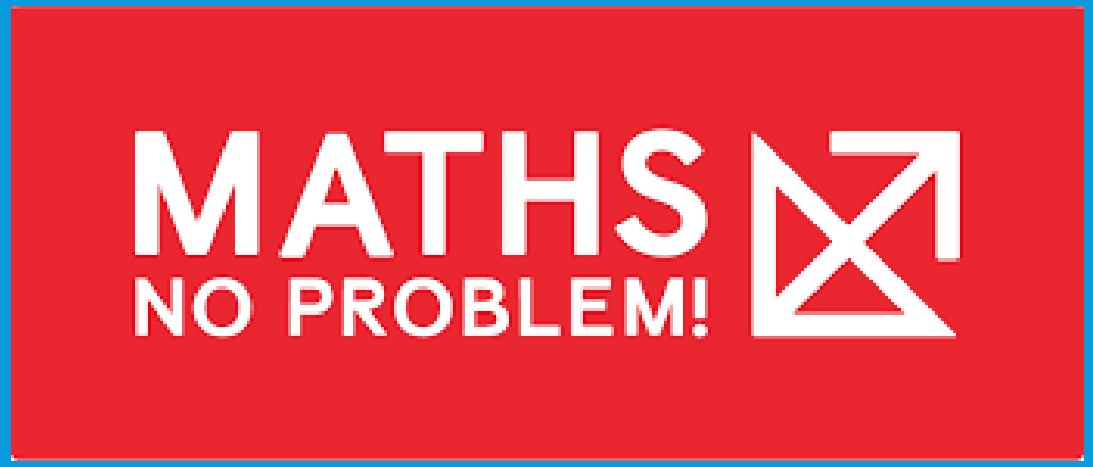
WHEN AND WHAT IS MY CHILD TAUGHT?

	9.00-10.00	10.00-11.00	11.00.11.15	11.15-12.00	12.00-1.00	1.00-1.30	1.30-2.00	2.00-2.30	2.30-3.00	3.00-3.15
M	Assembly	Maths / Arithmetic	B		L			1.45-2.15 Times Tables + Test		
T	Maths		R		U	Arithmetic		Times Tables + Test		
W	Maths		E		N	PPA				
T	Maths		A		C	Arithmetic				
F			K	Maths	H	Times Tables				

INTRODUCTION TO MATHS- NO PROBLEM!

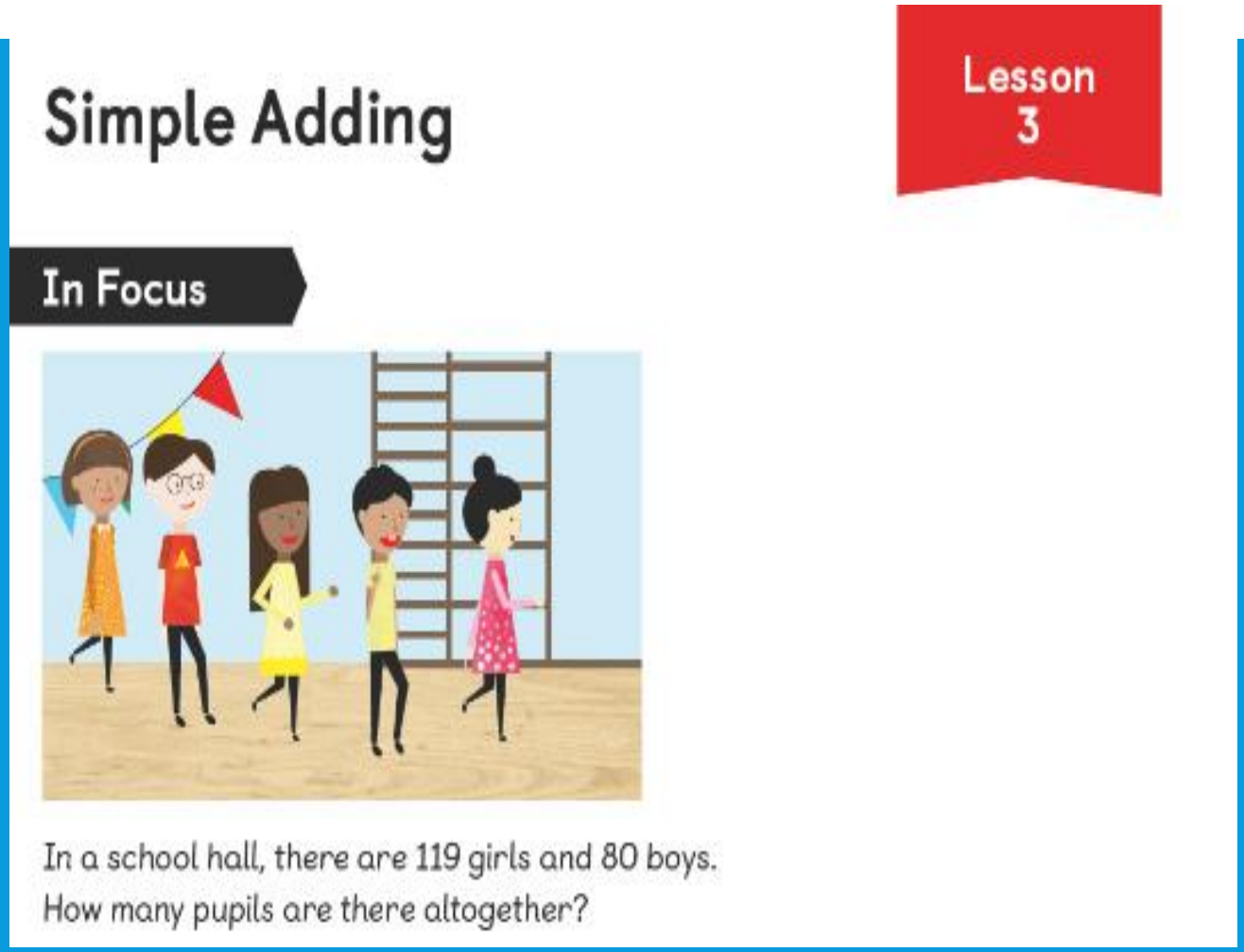
https://MathsNoProblem.com/en/video-library/how-to-guides/getting-started

MATHEMATICS LESSONS



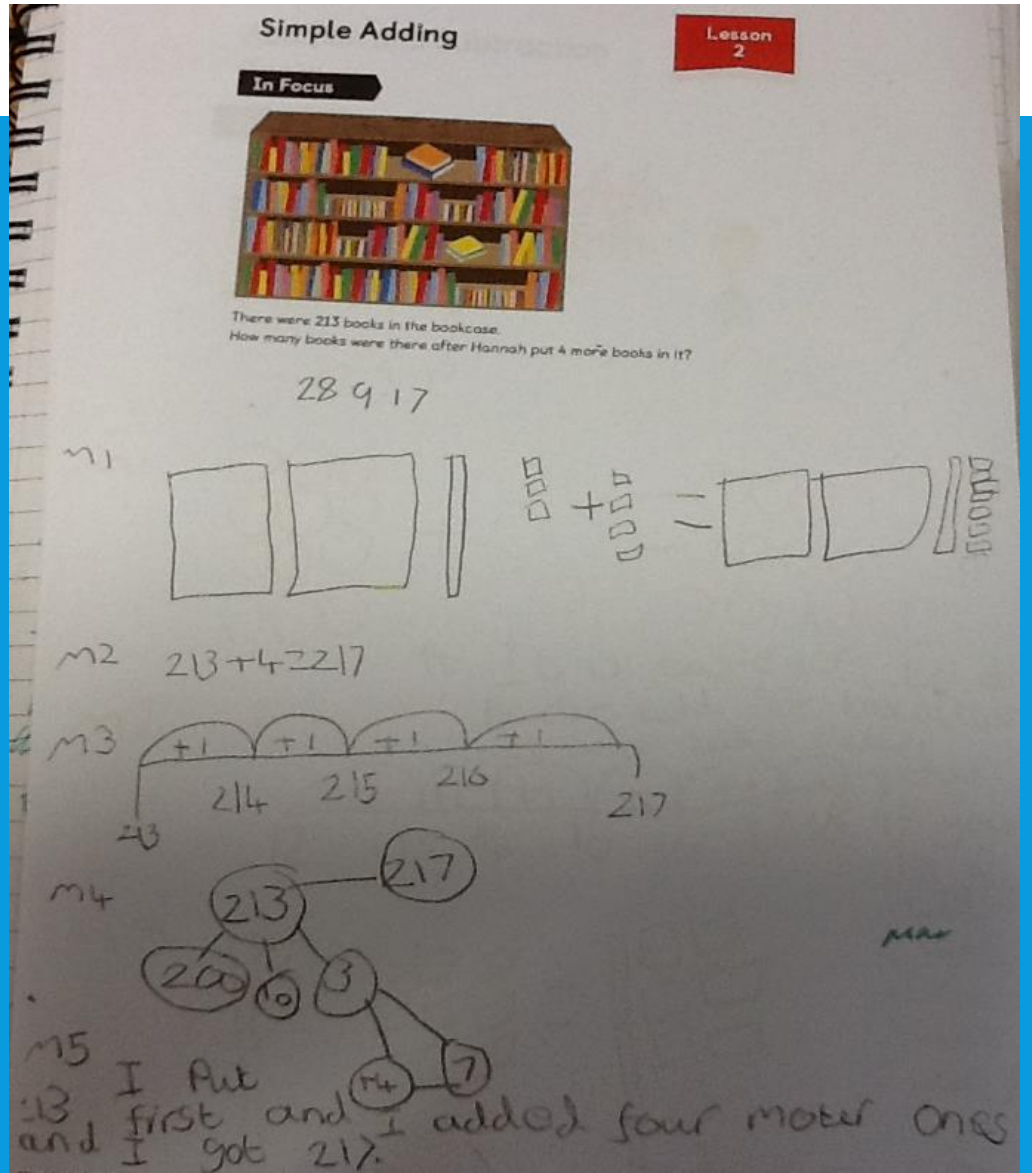
- Child-centred approach
- Based on international research
- Problem solving at its heart
- Only Maths textbook placed on Department for Education's recommended list
- Helps pupils develop a deep, long-term and adaptable understanding of maths

MATHEMATICS LESSONS



- Start with a problem
- Pupils use resources to help
- Independently record different methods to solve problem
- Share ideas with peers and teacher
- Record in their own journal

EXAMPLES OF JOURNALING



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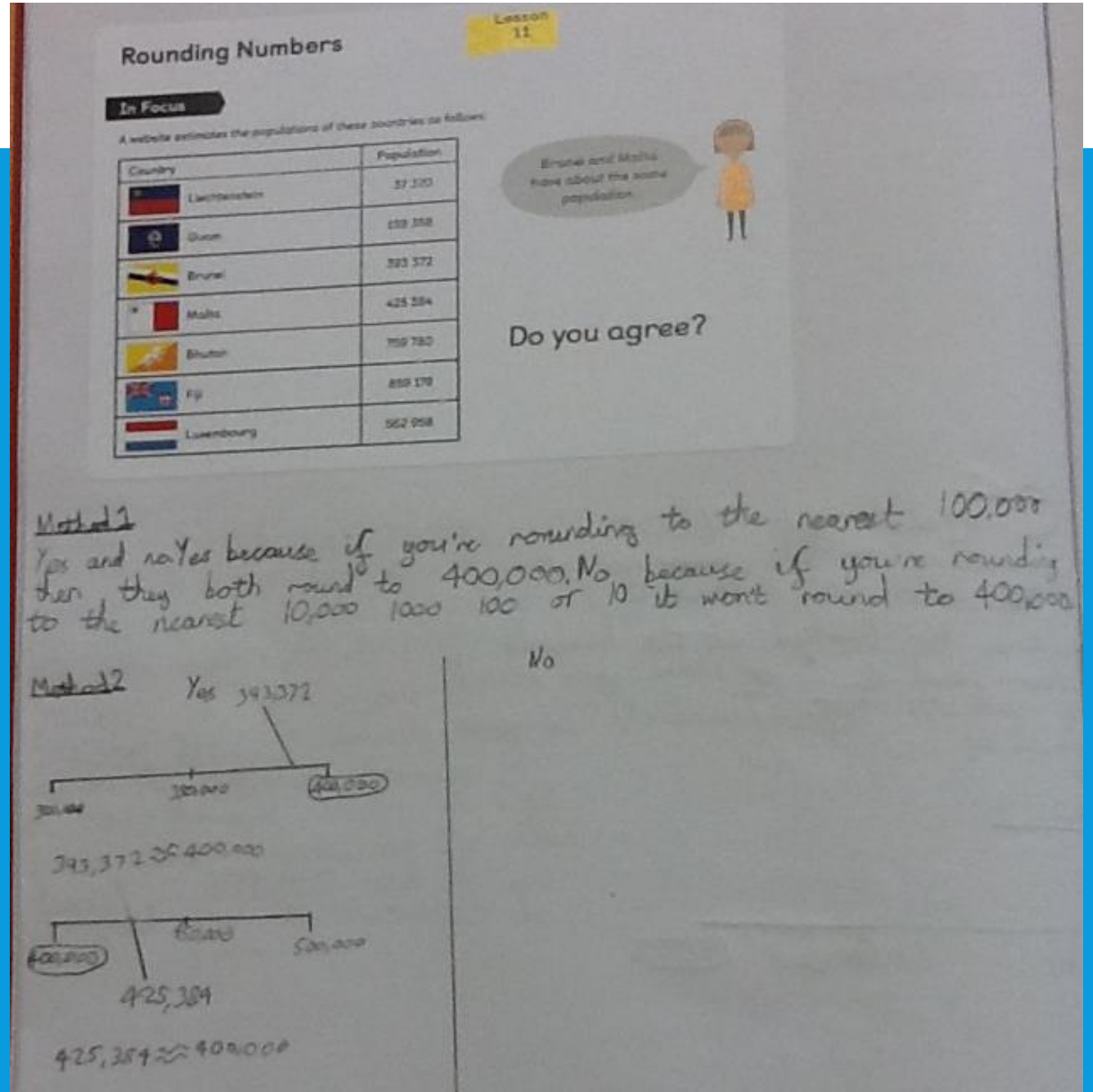


Rounding Numbers

Lesson 11

In Focus

A website estimates the populations of these countries as follows:

Country	Population
Liechtenstein	37 370
Guam	159 358
Brunei	393 372
Malta	425 384
Bhutan	759 780
Fiji	889 170
Luxembourg	562 958

Brunei and Malta have about the same population.

Do you agree?

Method 1

Yes and no Yes because if you're rounding to the nearest 100,000 then they both round to 400,000. No because if you're rounding to the nearest 10,000 1000 100 or 10 it won't round to 400,000

Method 2

Yes 393,372

393,372 ≈ 400,000

425,384

425,384 ≈ 400,000

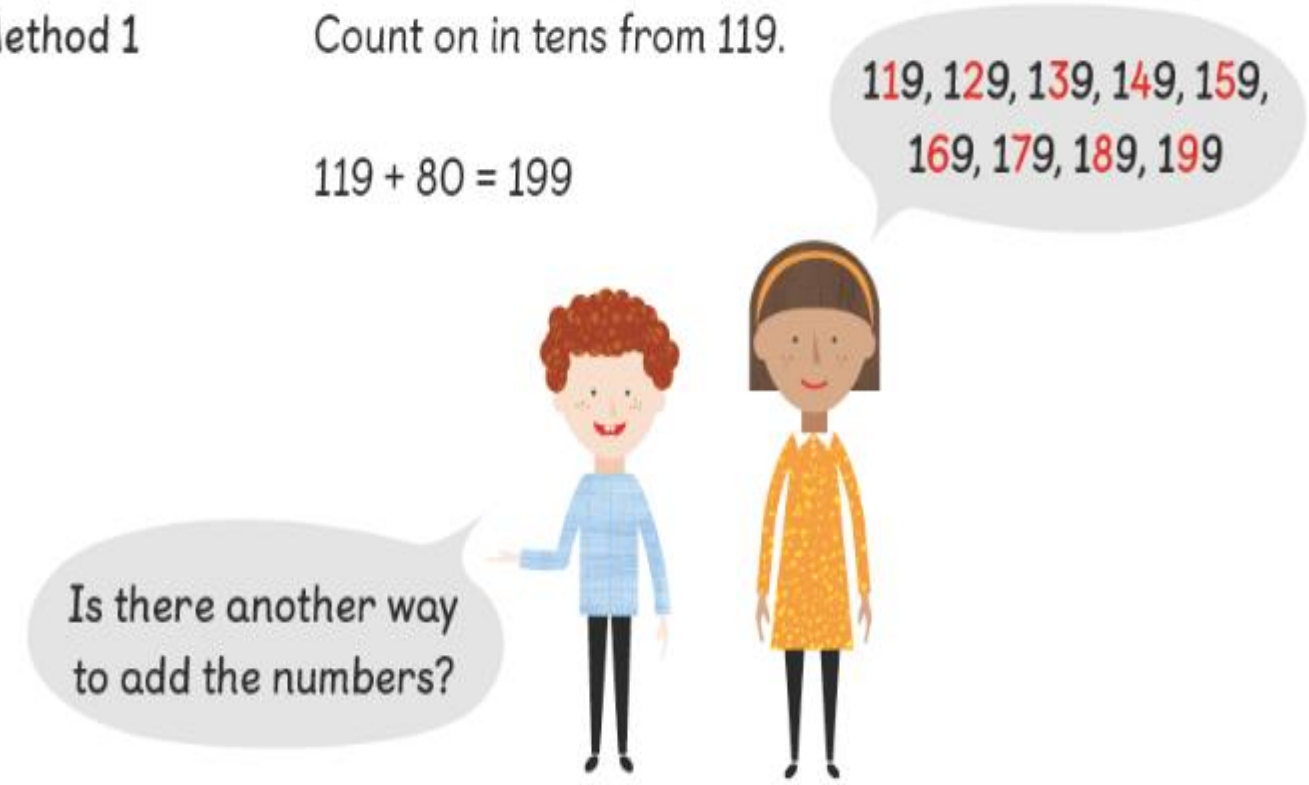
No

Let's Learn

1 Add 119 and 80.

Method 1 Count on in tens from 119.

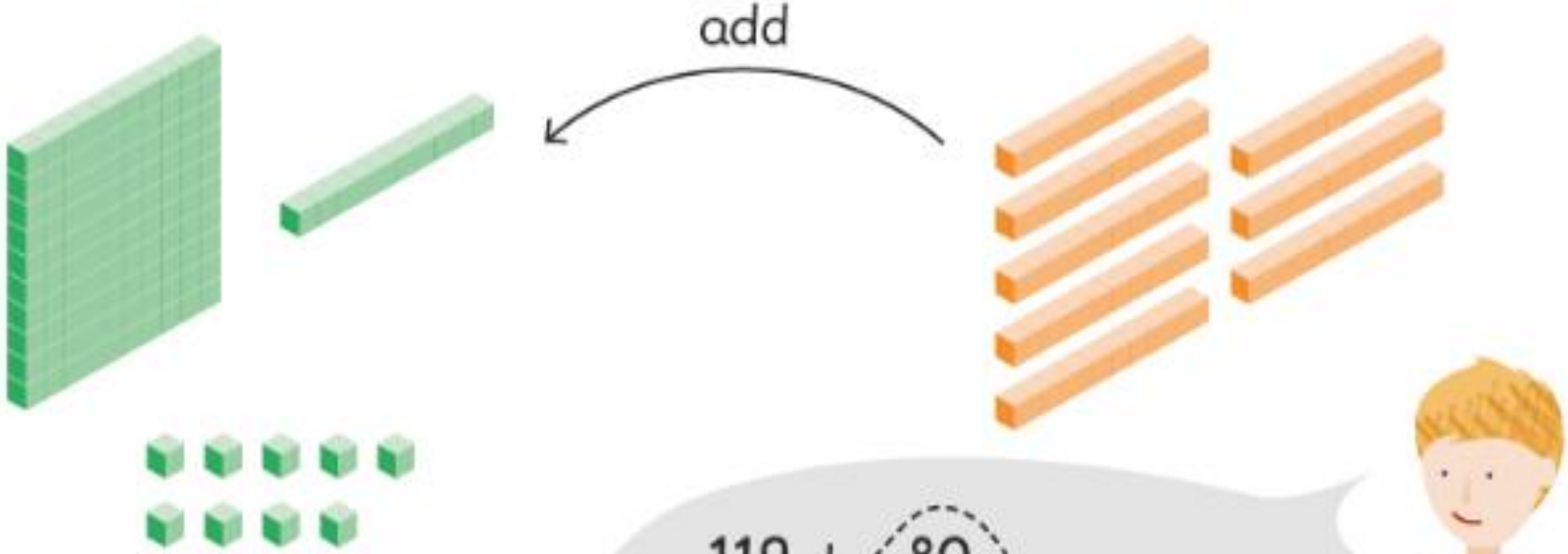
119 + 80 = 199



- Different methods for solving problem are read and discussed by pupils

Method 2

Add the tens.

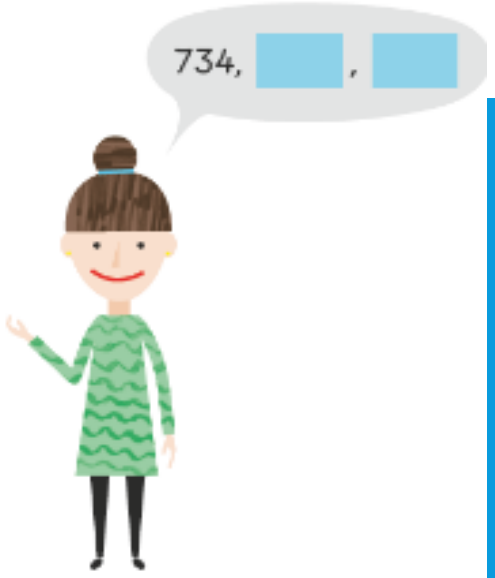


119 + 80 = 199

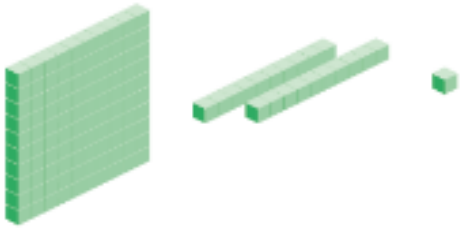
There were 199 pupils altogether.

Guided Practice

1 Add 734 and 20.



2 Add 121 and 60. ☐



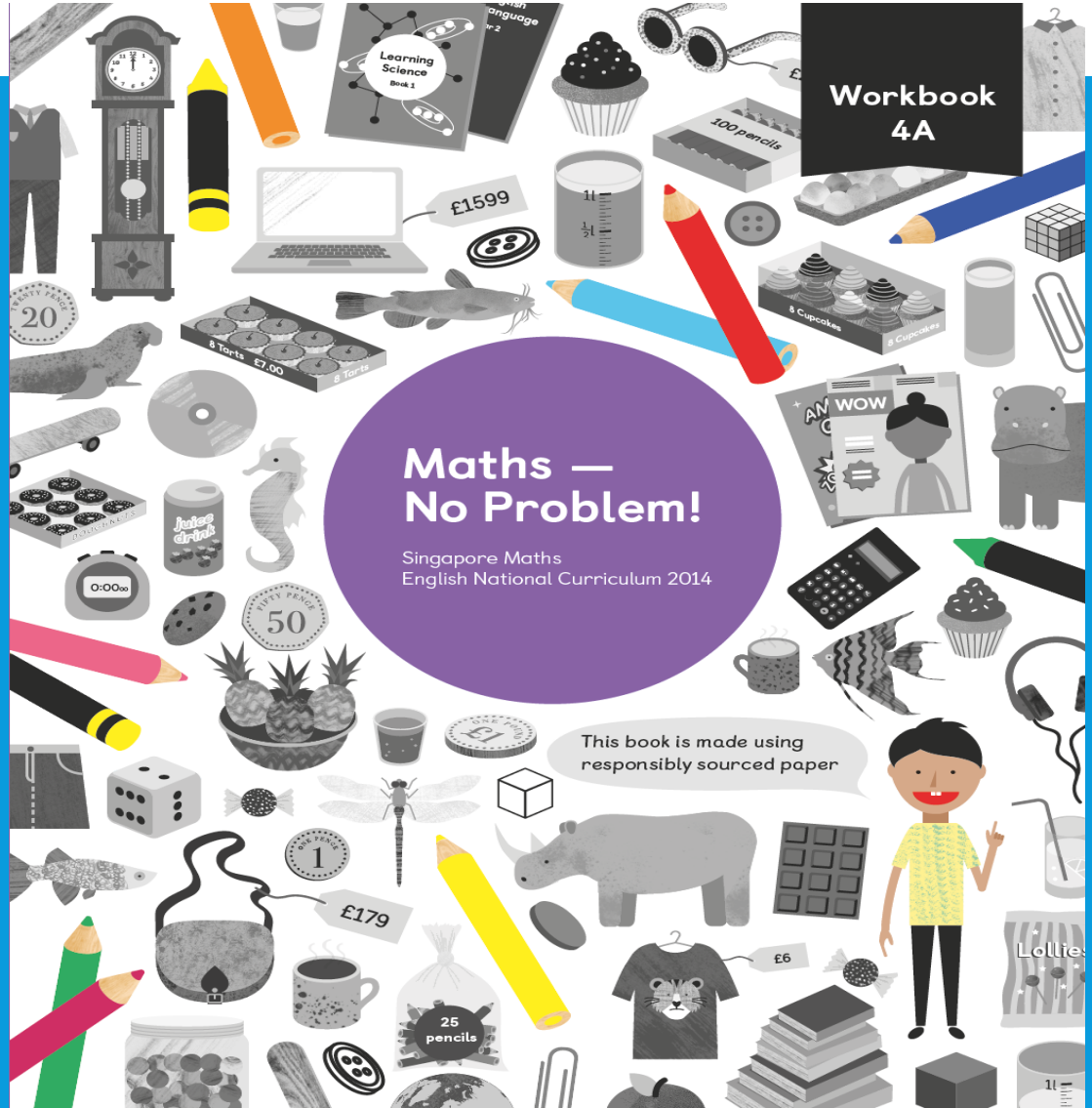
3 40 + 928 = ☐

4 608 + 80 = ☐

GUIDED PRACTICE

- Teacher guides pupils through different ways to practise core element of the lesson

INDEPENDENT WORK



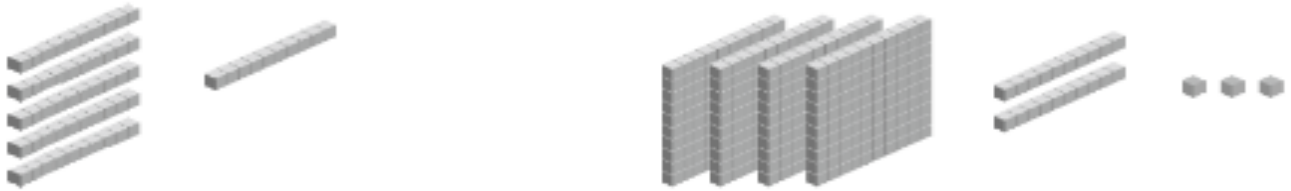
INDEPENDENT WORK

1 Fill in the blanks.

(a) Add 257 and 30.

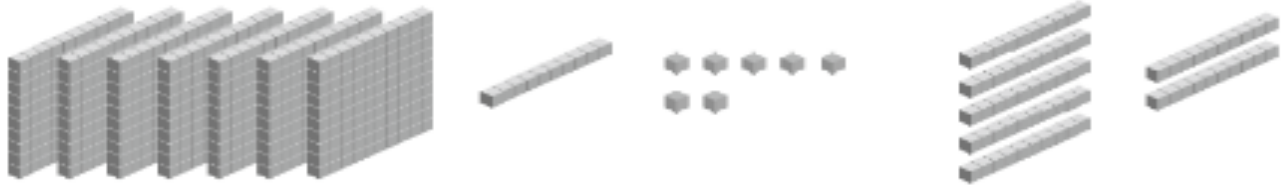
☐ + ☐ = ☐

(b) Add 60 and 423.



☐ + ☐ = ☐

(c) Add 717 and 70.



☐ + ☐ = ☐

INDEPENDENT WORK

2 Add by counting in tens.

207	217	227	237	247	257	267	277	287	297

(a) 247 + 20 = ☐ (b) 217 + 40 = ☐

(c) 207 + 80 = ☐ (d) 227 + 50 = ☐

3 Add by counting in tens.

462	472	482	492	502	512	522	532	542	552

(a) 462 + 30 = ☐ (b) 50 + 502 = ☐

(c) 20 + 522 = ☐ (d) 512 + 10 = ☐

4 Fill in the blanks.

(a) 345 + 50 = ☐ (b) 733 + 60 = ☐

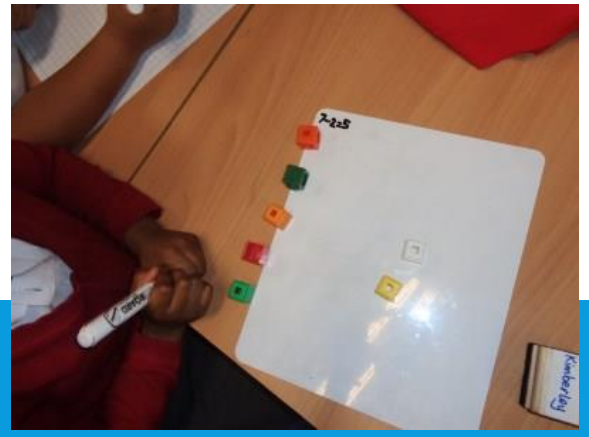
(c) 178 + 20 = ☐ (d) 30 + 451 = ☐

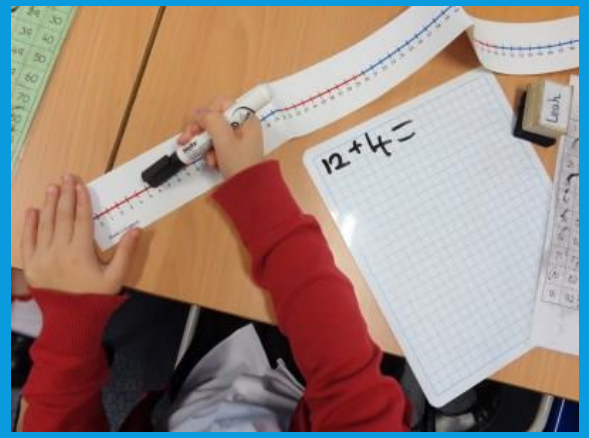
(e) 500 + 80 = ☐ (f) 90 + 609 = ☐

YEAR 1 + 2

Years 1 and 2 are following the principles of the Maths No Problem Series but slightly differently.

- They move at a slower pace to allow children to fully understand the concepts
- They use more practical equipment and practise on whiteboards before using the textbooks and the workbooks.





CATCH-UP SESSIONS

- Teachers mark work at lunchtime
- Teachers identify pupils who would benefit
- Teaching assistants work with pupils

CPA-CONCRETE, PICTORIAL AND ABSTRACT

CHALLENGE FOR MORE-ABLE

Challenged to explain their thinking

Moved on through questioning

Show more than one way to solve a problem

Have access to extension activities

Independent problem solving (including homework)

Deep learning for mastery

https://MathsNoProblem.com/en/video-library/mastery-course/lesson11

ARITHMETIC

Enable pupils to be proficient in calculating

Follows a concrete, pictorial and abstract structure so pupils understand written processes

Linked to homework to reinforce basics

More-able pupils apply to problem solving

ARITHMETIC

1 Solve:

4,434
+3,325

Th	H	T	O	Th	H	T	O

_____ + _____ = _____ _____ + _____ = _____

Can you give the other 3 fact family questions that relate to this question? (Inverse operation link)

2 Answer:

32 461 + 4 352 = _____

48 276 + 5 613 = _____

Can you think of a sensible story to represent this question?

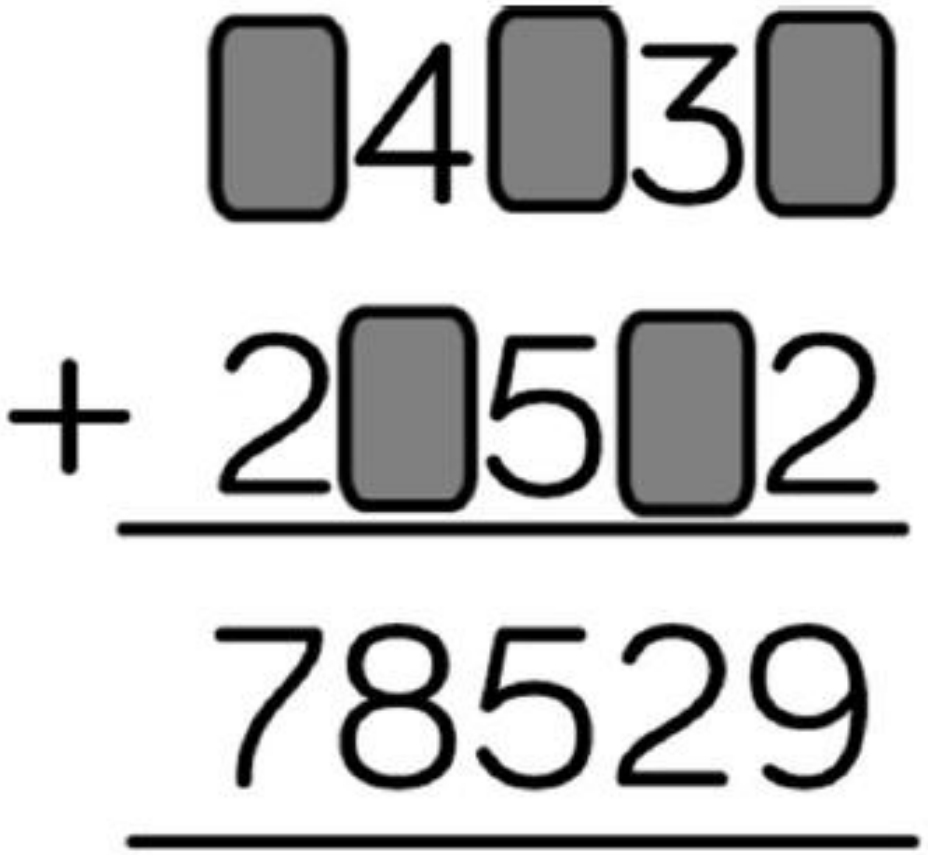
3 Using the column method, answer:

54,311 + 425 + 3,501

35,622 + 24,316 + 7,43

3,942 + 14,356 + 88

Work out the missing numbers



TIMES TABLES

New whole school approach

Emphasis on mastery and life-long retention

Weekly Beat Your Best tests for pupils to reflect on their improvements

Tests go home so you are informed about progress

https://www.TacklingTables.co.uk/how-it-works [watch video]

You can purchase the cards for £7.50 from the school Gateway or by completing an order form and enclosing the cash. All orders should be in by Monday 30th October. You will receive your packs w/c 6.11.17

ASSESSMENTS

20. Over the summer holidays, Jane's family go on a train tour of Europe. Jane keeps a record of each journey they make.

Journey 1	Journey 2	Journey 3	Journey 4	Journey 5
545 miles	427 miles	604 miles	378 miles	

Jane's ambition is to travel more than 2500 miles in total.

What is the minimum distance they must travel for their last journey for this to happen?

Show your method.

475 + 98 =

100 × 16 =

2 × 3 × 4 =

WEB SITE

- You will find links with additional information about Maths on our Website.
- www.WhitmorePark.org ⇨ Parents ⇨ 'help your child at home'

ONLINE SAFETY

- there are 800+ social networks
  - is your child on any of them? How would you know?
- some people online are not who they say they are
  - is the 8 year old your child is chatting to really a 40 year old man?
- modern technology allows everyone to go online anywhere
  - could your child be being bullied while sitting right next to you?
- fake news is everywhere
  - do you know how to spot fake news? Have you been caught out yet?

ONLINE SAFETY

- most games consoles (PlayStation, Xbox, etc) are online
  - does your child chat with other players? Are they who they say they are?
- there are increasing numbers of copycat/fake websites
  - do you know where your innocent internet search could take you?
- by age 4 most children are self-sufficient on a computer
  - do you know everything they're doing with your technology?
- social media settings are changing all the time
  - do you know how public/private your personal posts are?

ONLINE SAFETY

- on YouTube you're only 3 clicks away from an offensive video
  - has your child ever spent time amusing themselves on YouTube?
- children on streaming apps (e.g. Musical.ly) are open to abuse
  - are you aware of the risks?

- the online safety page on our school website has information and links to answer all these issues and more:

www.WhitmorePark.org ⇨ Parents ⇨ online safety

THANK YOU FOR ATTENDING THE MEETING

Questions

Evaluation