The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The overall composition is clean and modern, with the text centered in the white space.

Mathematics at Westacre Infant School Year 2 Parent Workshop

18th November 2024

How do we teach Maths at Westacre?

- ▶ **White Rose Maths – Mastery Approach – from Nursery to Year 2**
 - ▶ Sequence of teaching taught through blocks
 - ▶ Small steps – within blocks
 - ▶ Representations – Concrete, Pictorial, Abstract
 - ▶ Fluency, Problem-solving and Reasoning

Year 2 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Number Place value VIEW				Number Addition and subtraction VIEW				Geometry Shape VIEW			
Spring term	Measurement Money VIEW	Number Multiplication and division VIEW					Measurement Length and height VIEW	Measurement Mass, capacity and temperature VIEW				
Summer term	Number Fractions VIEW			Measurement Time VIEW		Statistics VIEW		Geometry Position and direction VIEW		Consolidation		

Year 2 - Programmes of Study

Mathematics in Year 2 at Westacre Infant School



Information for Parents/Carers

Number - number and place value

Pupils should be taught to:

- count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward
- recognise the place value of each digit in a two-digit number (10s, 1s)
- identify, represent and estimate numbers using different representations, including the number line
- compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs
- read and write numbers to at least 100 in numerals and in words
- use place value and number facts to solve problems

Number - addition and subtraction

Pupils should be taught to:

- solve problems with addition and subtraction:
 - using concrete objects and pictorial representations, including those involving numbers, quantities and measures
 - applying their increasing knowledge of mental and written methods
- recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- add and subtract numbers using concrete objects, pictorial representations, and mentally, including:
 - a two-digit number and 1s
 - a two-digit number and 10s
 - 2 two-digit numbers
 - adding 3 one-digit numbers
- show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot
- recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems

How can you support learning at home?

The best way to support your child at home is to enjoy Maths activities together in meaningful contexts, such as:

▶ Maths in Stories – link it back to real life

<https://www.mathsthroughstories.org/>

▶ Games

▶ In the Kitchen

▶ What's the time?

▶ Going Shopping

How can you support learning at home?

- ▶ Education City link (set up weekly)
- ▶ White Rose Maths Website – <https://whiterosemaths.com>
 - ▶ Parents & Pupils
 - ▶ Advice & Guidance Section
 - ▶ Home learning section
 - ▶ Maths with Michael – Videos and Parent Guides – <https://whiterosemaths.com/maths-with-michael>
- ▶ Other useful Websites (see leaflet)

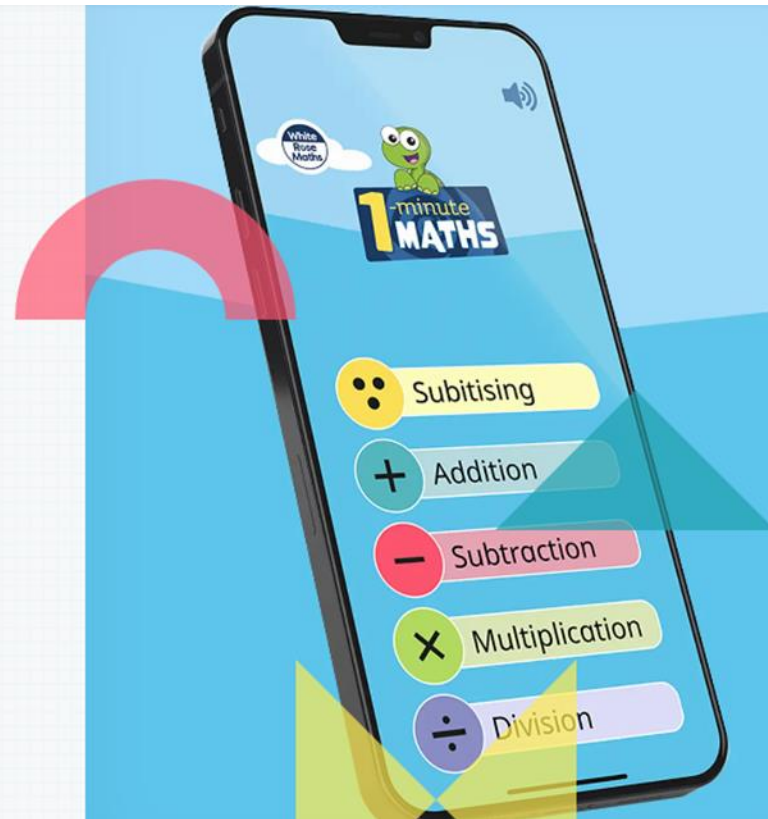
Apps to use at home to develop fluency

White Rose - 1 Minute Maths

Have you heard
about our amazing
app?

It's 1-minute maths

[FIND OUT MORE](#)



Activity with your children

▶ Counting

- ▶ In 2s, 3s and 5s from zero

- ▶ In 10s from any number – forwards and backwards

▶ Addition and Subtraction

- ▶ Adding 2-digit numbers (not crossing 10)

- ▶ Adding 2-digit numbers (crossing 10)

- ▶ Subtracting 2-digit numbers (not crossing 10)

- ▶ Subtracting 2-digit numbers (crossing 10)

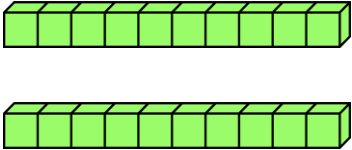
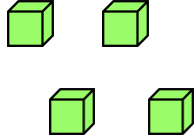
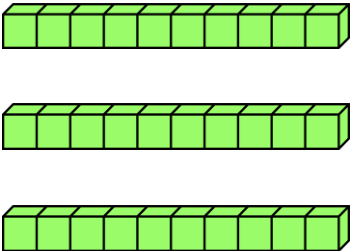
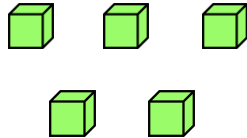
Counting

Count in 10s – forwards and back from any number.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

**As Mathematicians we are adding 2-digit numbers
(not across 10).**

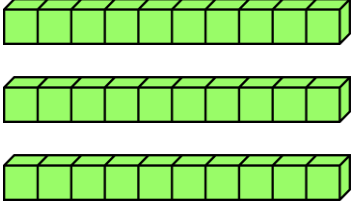

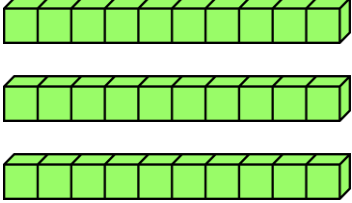
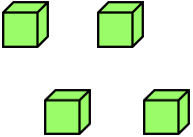
Use the Base 10 to help you complete the addition calculations:
My Turn

Tens	Ones
	
	
5	9

Number sentence:

$$\boxed{24} + \boxed{35} = \boxed{59}$$

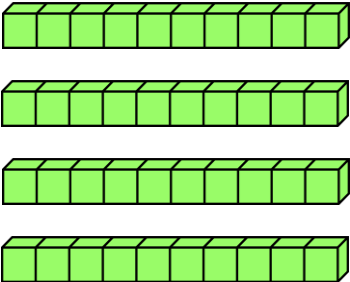
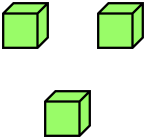
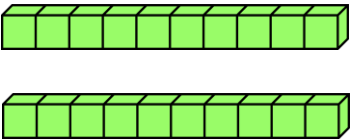
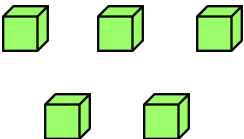
Use the Base 10 to help you complete the addition calculations:
Our Turn

Tens	Ones
	
	
6	6

Number sentence:

$$\boxed{32} + \boxed{34} = \boxed{66}$$

Use the Base 10 to help you complete the addition calculations:
Your turn

Tens	Ones
	
	
6	8

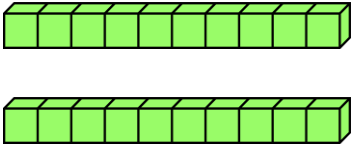
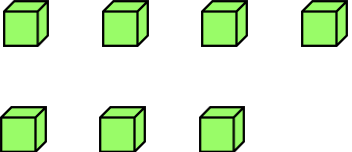
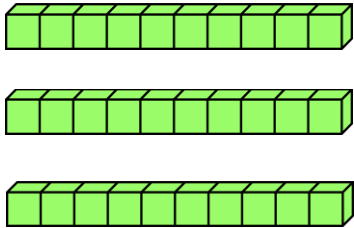
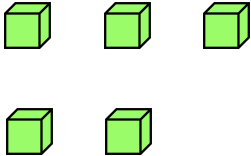
Number sentence:

$$\boxed{43} + \boxed{25} = \boxed{68}$$

**As Mathematicians we are adding 2-digit numbers
(crossing 10).**

Use Base 10 to help complete the addition calculation.

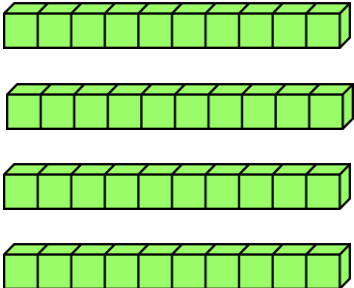
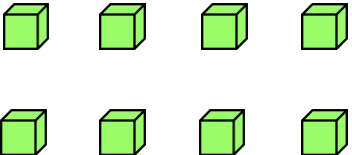
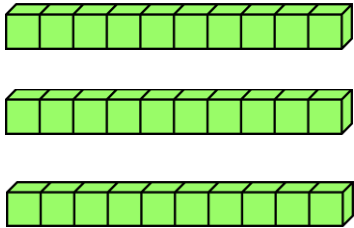
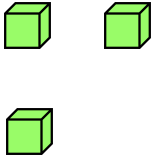
My Turn

Tens	Ones
	
	
5	2

Number sentence:

$$\boxed{27} + \boxed{25} = \boxed{52}$$

Use Base 10 to help complete the addition calculation.
Our Turn

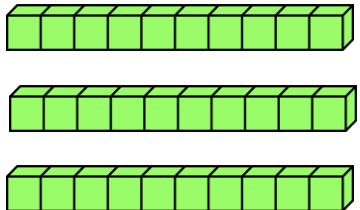
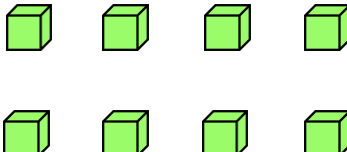
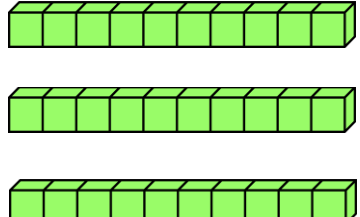
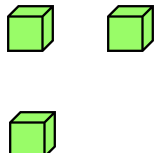
Tens	Ones
	
	
7	1

Number sentence:

$$\boxed{48} + \boxed{23} = \boxed{71}$$

Use Base 10 to help complete the addition calculation.

Your Turn

Tens	Ones
	
	
6	1

Number sentence:

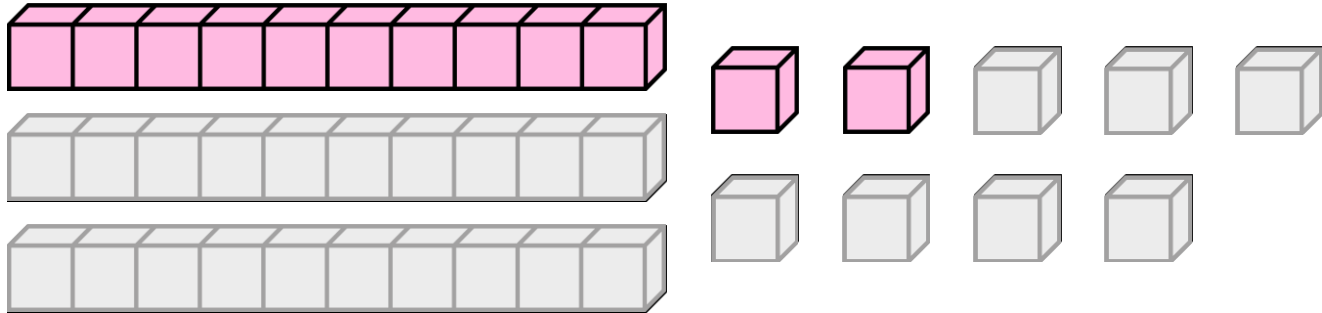
$$\boxed{38} + \boxed{23} = \boxed{61}$$

**As Mathematicians we are subtracting with 2-digits
(not across 10).**

Use Base 10 to help you complete the subtraction calculations.

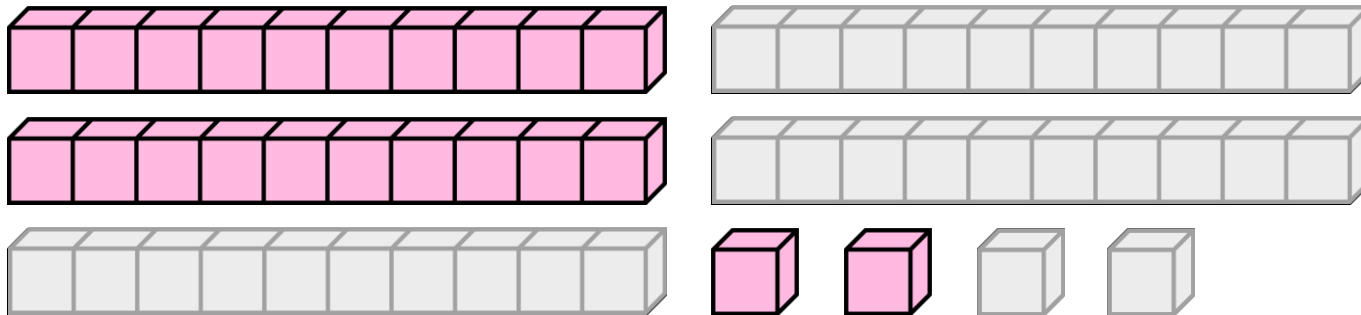
My Turn/ Our Turn

$$39 - 27$$



$$39 - 27 = \boxed{12}$$

$$54 - 32$$

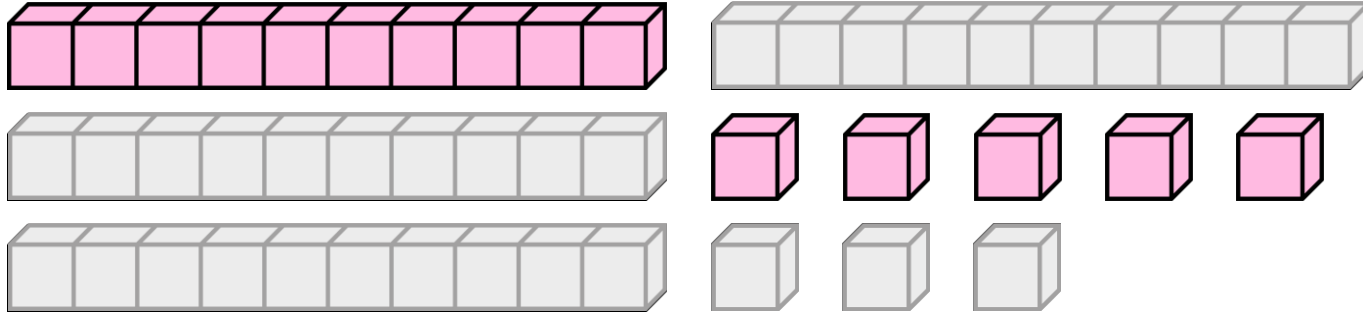


$$54 - 32 = \boxed{22}$$

Use Base 10 to help you complete the subtraction calculations.

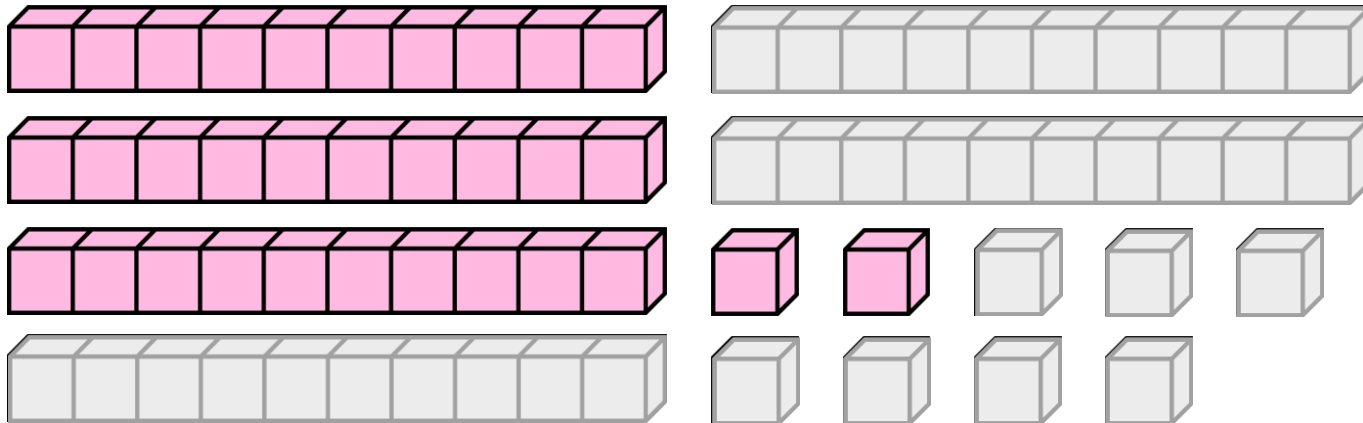
Your Turn

48 – 33



$48 - 33 =$ 15

69 – 37

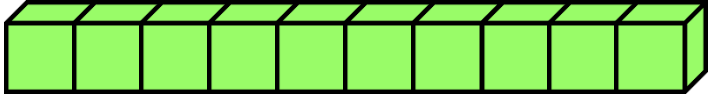
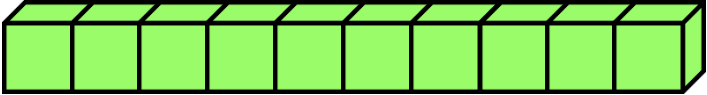


$69 - 37 =$ 32

**As Mathematicians we are subtracting with 2-digits
(across 10).**

Recap:

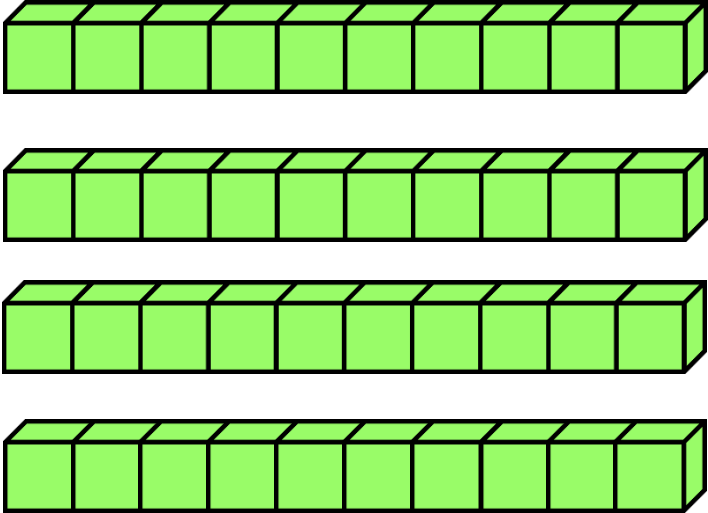
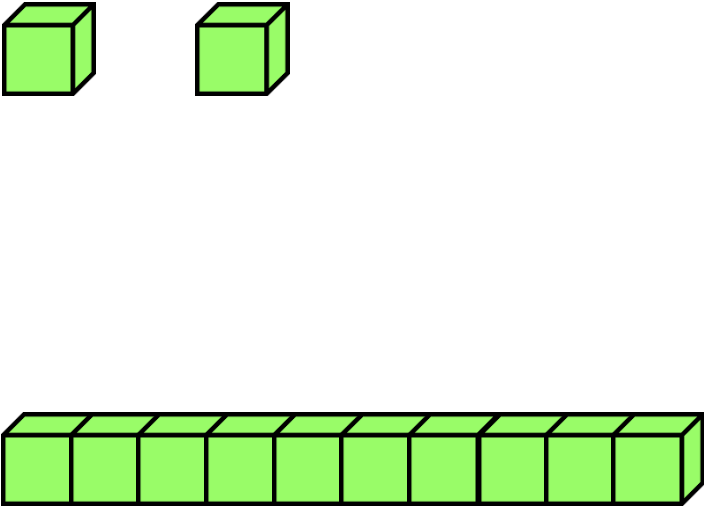
One ten can be exchanged for ten ones.

Tens	Ones
	

This can help us when subtracting numbers that cross ten...

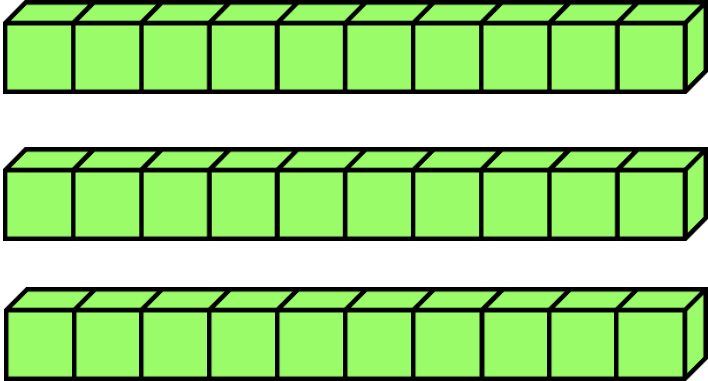
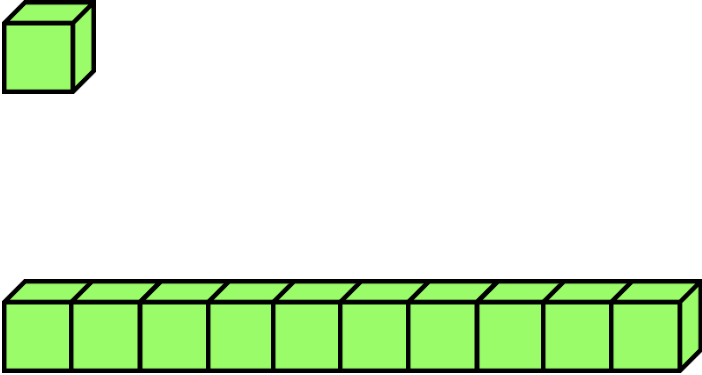
$$42 - 19 = \underline{23}$$

My Turn

Tens	Ones
	

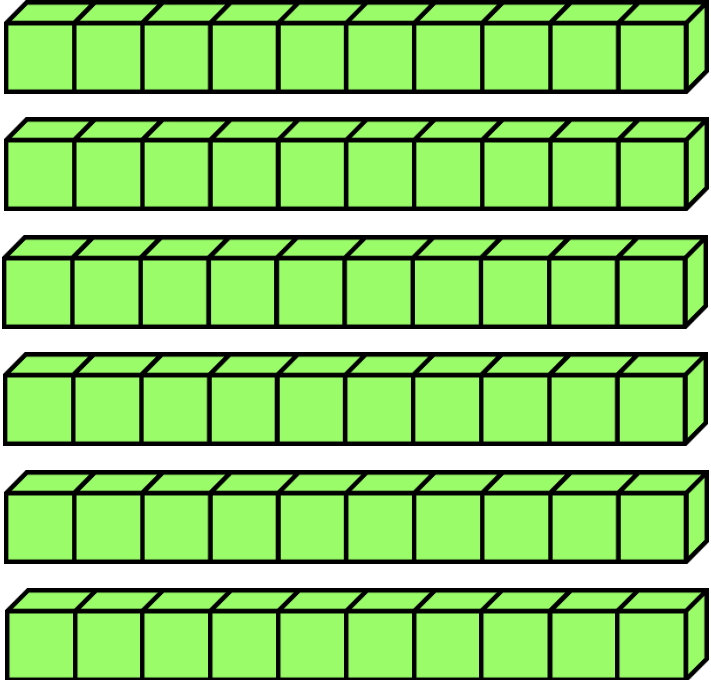
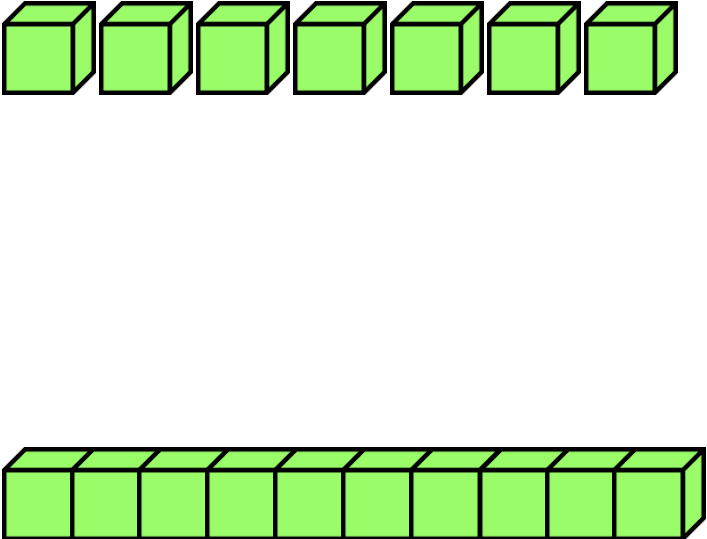
$$31 - 15 = \underline{16}$$

Our Turn

Tens	Ones
	

$$67 - 29 = \underline{38}$$

Your Turn

Tens	Ones
	

Pictorial Representation and Column Addition

*See modelled examples on board.