Student Book PYP

1

Oxford **Mathematics**

Primary Years Programme

Annie Facchinetti

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Published in Australia by
Oxford University Press
Level 8, 737 Bourke Street, Docklands, Victoria 3008, Australia.

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First published 2019

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ISBN 978 0 19 031220 6

Edited by Vanessa Lanaway, Red Dot Scribble
Illustrated by Daniel Rieley
Typeset by Newgen KnowledgeWorks Pvt. Ltd., Chennai, India
Proofread by Gill Owens, GO Edit
Printed in China by Leo Paper Products Ltd

Acknowledgements
Cover and internal: Shutterstock

To the teacher

Oxford Mathematics PYP provides students with guided and independent work to support mathematical skills and understandings, as well as opportunities for problem-solving in real-world contexts. Teachers will find the supporting materials clear, comprehensive and easy to use. While the series offers complete coverage of the PYP mathematics scope and sequence, teachers can also use the topics that fit well with other areas of work to support student learning across the PYP curriculum.

Student Books

Each topic features:

- **Guided practice** – a worked example of the concept, followed by the opportunity for students to practise, supported by careful scaffolding
- **Independent practice** – further opportunities for students to consolidate their understanding of the concept in different ways, with a decreasing amount of scaffolding
- **Extended practice** – the opportunity for students to apply their learning and extend their understanding in new contexts.

Differentiation

Differentiation is key to ensuring that every student can access the curriculum at their point of need. In addition to the gradual release approach of the Student Books, the Teacher Books help teachers to choose appropriate pathways for students, and provide activities for students who require extra support or extension.

Oxford **Mathematics**

Primary Years Programme

1

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Counting to 100

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

Forwards counting pattern by 1s

1 2 3 4 5 6 7 8 9 0

Backwards counting pattern by 1s

0 9 8 7 6 5 4 3 2 1

What is the pattern in the tens column?

Guided practice

1 What comes before and after ...?

a ☐ 22 ☐ 23 ☐ 24

b ☐ ☐ 37 ☐

c ☐ ☐ 55 ☐

d ☐ ☐ 68 ☐

e ☐ ☐ 72 ☐

f ☐ ☐ 30 ☐

Independent practice

1 Fill in the missing numbers.

a

26	27	28			31			

b

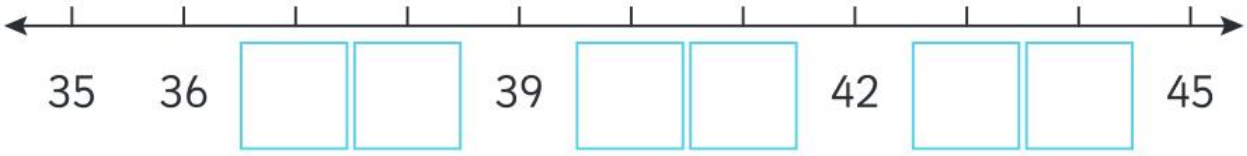
43		45				49		

c

66	67							

2 Fill in the missing numbers.

a



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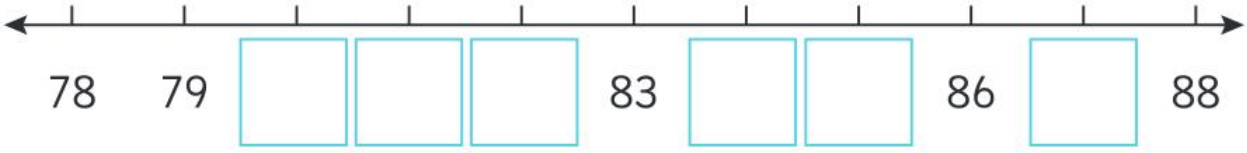

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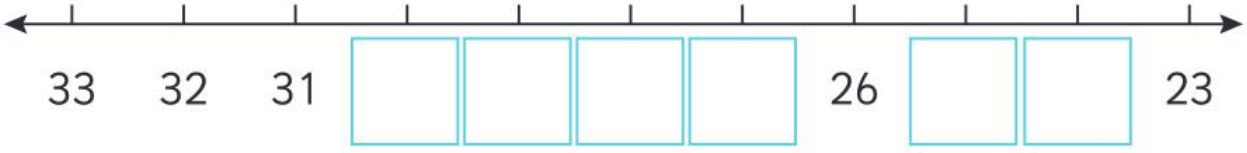

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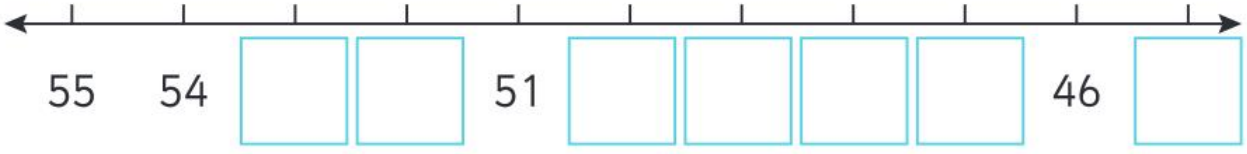


Tens and ones

1 ten

10

1 ten and 2 ones

12

2 tens and 4 ones

24

3 tens and 7 ones

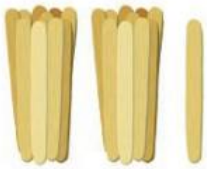
37

How many sticks are in each bundle? Do you need to count the bundled sticks every time?

Guided practice

1 How many ...

a



tens? ☐

ones? ☐

altogether? ☐

b

tens? ☐

ones? ☐

altogether? ☐

c

tens? ☐

ones? ☐

altogether? ☐

d

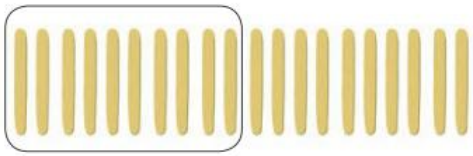
tens? ☐

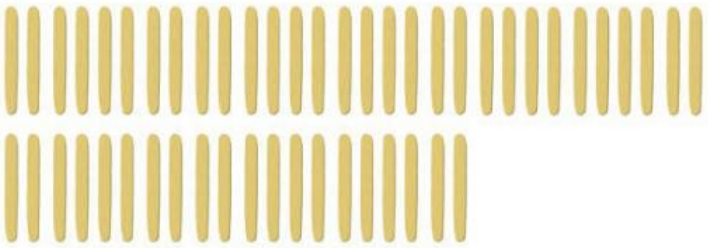
ones? ☐

altogether? ☐

Independent practice

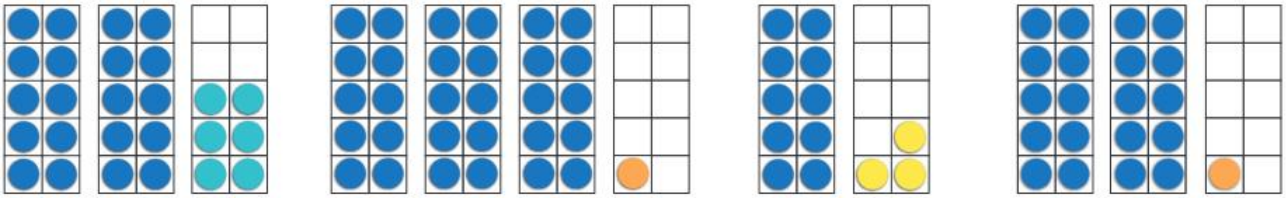
1 Group in 10s, then count.

a 

b 

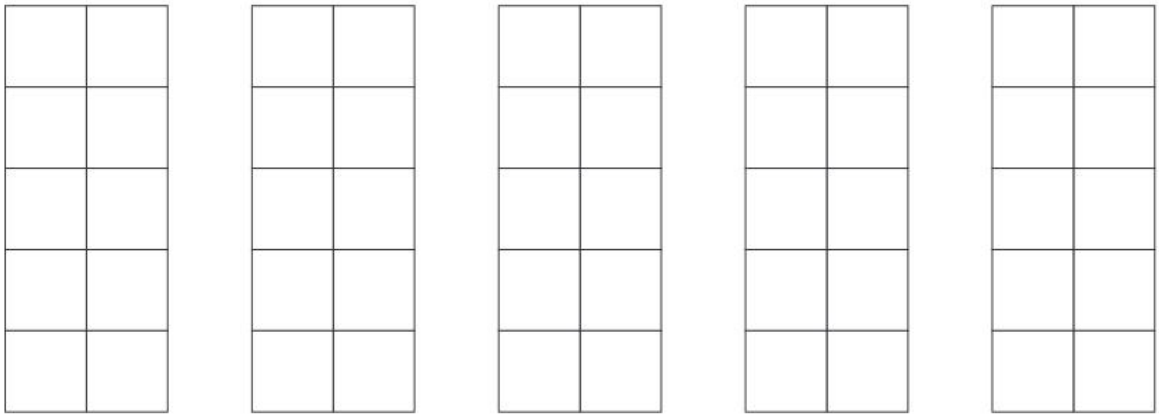
c

2 Match the pictures with the numbers.



26 13 31 21

3 Draw counters to show 47.



Extended practice

1 Who am I?

a I have 5 tens.

I have 9 ones.

I am ☐☐.

b I have 1 ten.

I have 6 ones.

I am ☐☐.

c I have 2 tens.

I am less than 21.

I am ☐☐.

d I have 8 tens.

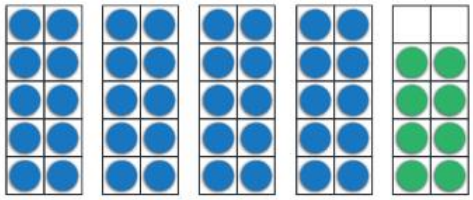
I am more than 88.

I am ☐☐.

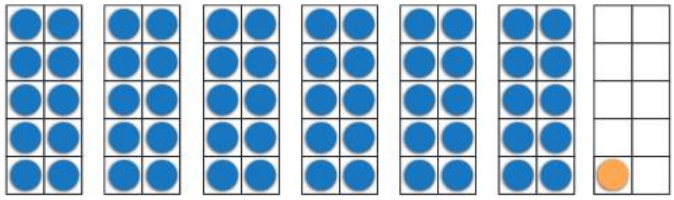
---

2 What is ...

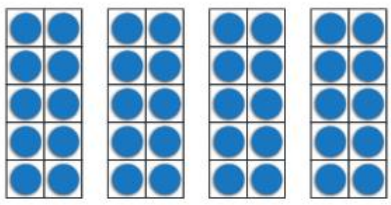
a 2 more than 48? ☐



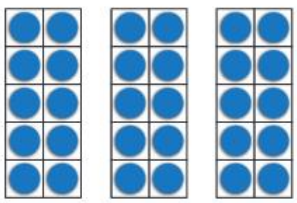
b 2 less than 61? ☐



c 1 more than 4 tens? ☐



d 1 less than 3 tens? ☐



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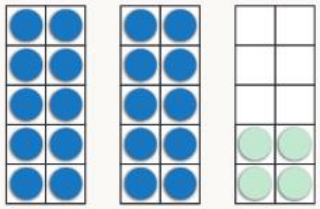
Numbers can be shown with:

words	numerals	pictures
twenty-four	**24**	

All compound numbers are written with a hyphen in them – twenty-four, thirty-three, ninety-nine.

Guided practice

1 Write the numerals.

a twelve ☐

b twenty-eight ☐

c fifteen ☐

d fifty-three ☐

e fourteen ☐

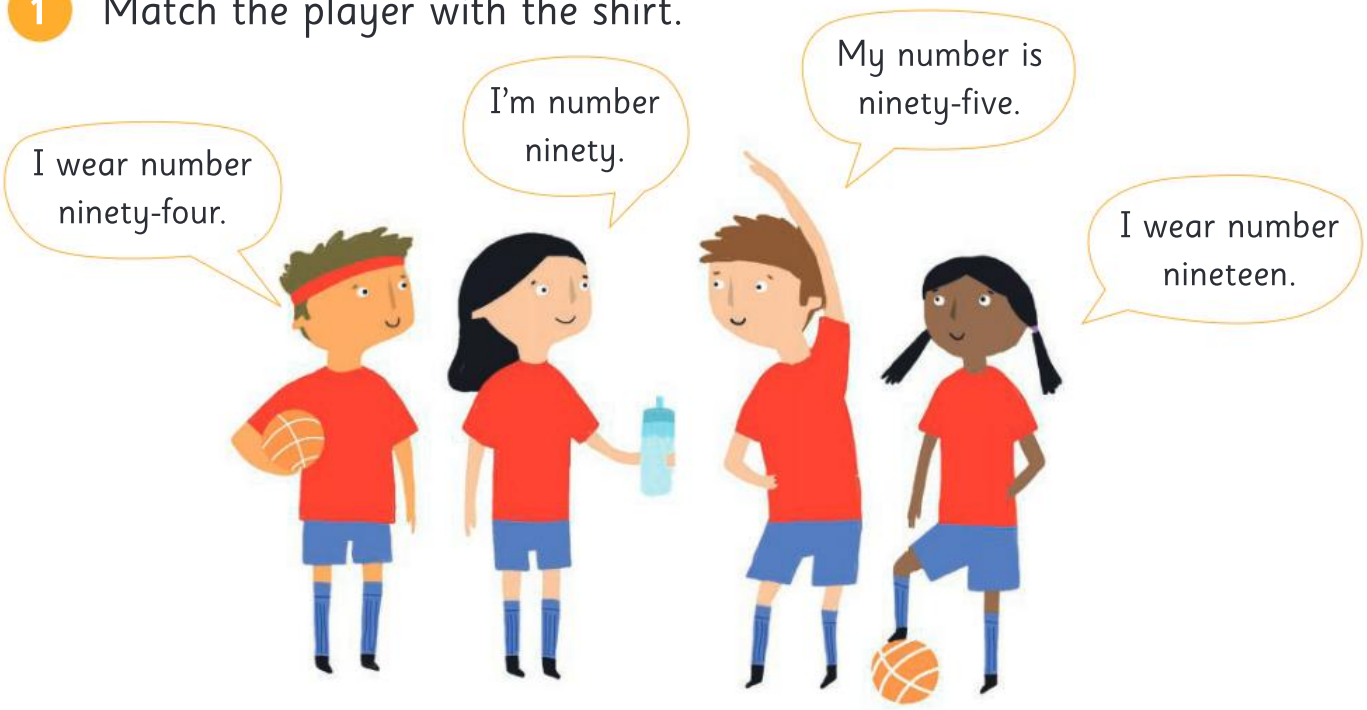
f forty-five ☐

2 Circle the correct way to write the numbers.

a	18	eighty	eighteen	eighty-one
b	46	fourty six	sixty-four	forty-six

Independent practice

1 Match the player with the shirt.



2 Write in words.

a 71

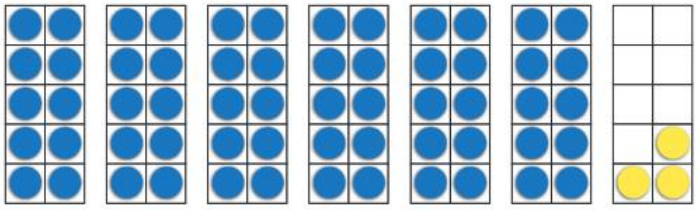
b 62

c 38

d 100

3 Match the words, pictures and numerals.

sixty-three



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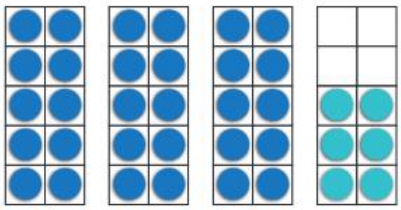
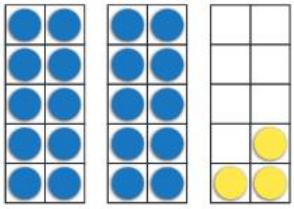
seventeen



23

twenty-two



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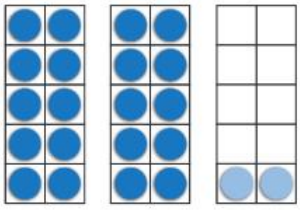
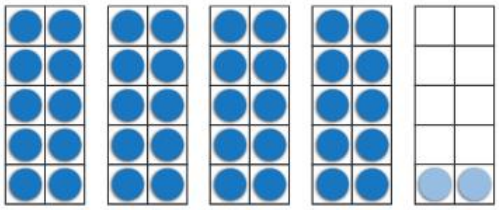
twenty-three



42

thirty-six



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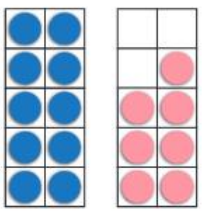
forty-two



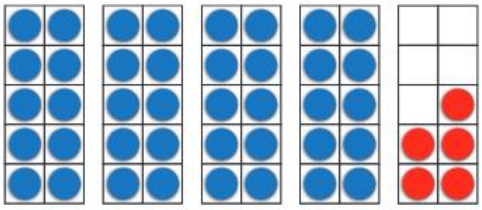
22

I wonder why "nine" doesn't change to make the word "ninety", but "five" changes to make "fifty"?

Extended practice

1 Write words and numerals for:

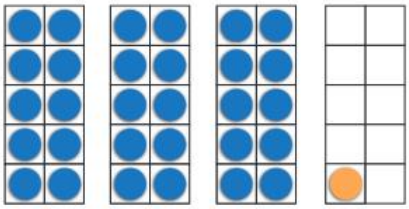
a



Words

Numeral

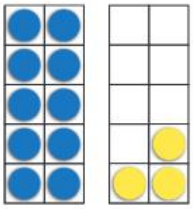
b



Words

Numeral

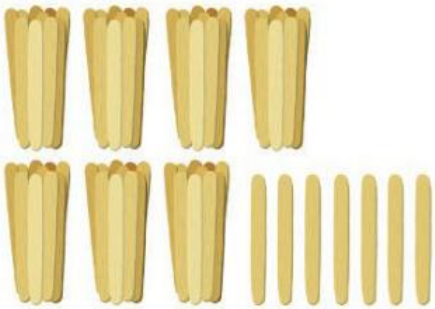
c



Words

Numeral

d



Words

Numeral

e

Words

Numeral