



oxford **maths**
for Australian schools



**SAMPLE
CHAPTER**
—
**UNCORRECTED
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anita green

OXFORD

To the teacher

The *Oxford Maths* Practice and Mastery Books are an integral part of the *Oxford Maths* series, which incorporates all the resources that a teacher needs to simply and comprehensively teach the Australian and Victorian Mathematics curricula and the New South Wales Syllabus.

Oxford Maths Practice and Mastery Books

Each topic in the *Oxford Maths* Practice and Mastery Books features:

- **Practice** – activities that allow students to practise concepts and skills from the Independent practice section of the Student Book
- **Challenge** – activities that allow students to practise concepts and skills from the Extended practice section of the Student Book
- **Mastery** – the opportunity for students to apply their learning and problem-solving skills in open-ended, real-world contexts.

Differentiation

Differentiation is key to ensuring that every child can access the curriculum at their point of need. In addition to the gradual release approach of the Student Books, the *Oxford Maths* Teacher Dashboard helps teachers to choose differentiation pathways for students, and provides activities for students who require extra support or extension. Potential difficulties videos assist teachers in the early identification of common misconceptions students have about underlying mathematical concepts.

Oxford Maths Teacher Dashboard

The *Oxford Maths* Teacher Dashboard provides online access to a wealth of resources and support material, including curriculum and planning documents, assessment grading guides, answers to the tests, differentiation options, interactive topic introductions and lesson plans. Used in conjunction with the *Oxford Maths* Student Books, Assessment Books, and Practice and Mastery Books, the dashboard offers teachers access to clear teaching and learning pathways to meet the diverse needs of students in a single class and across the whole school.



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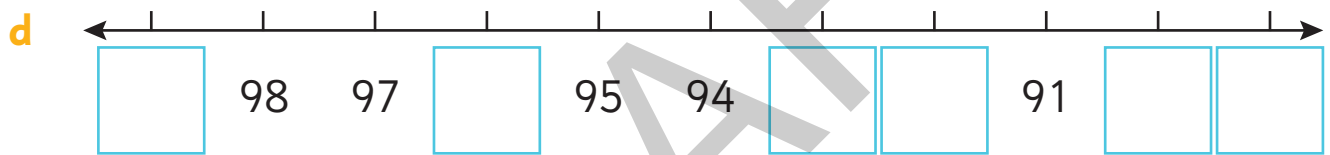
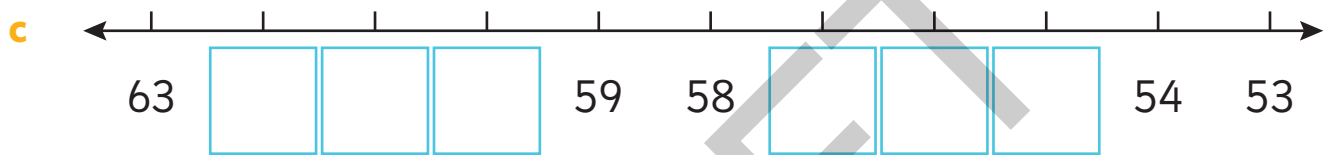
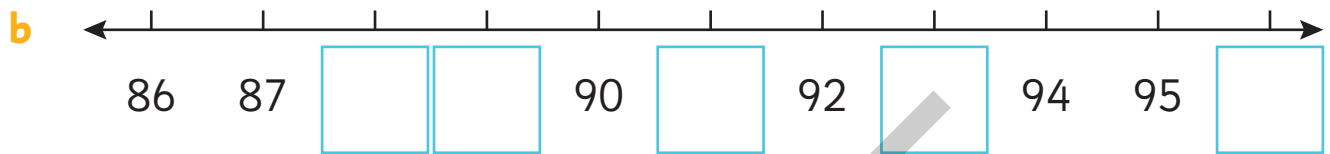
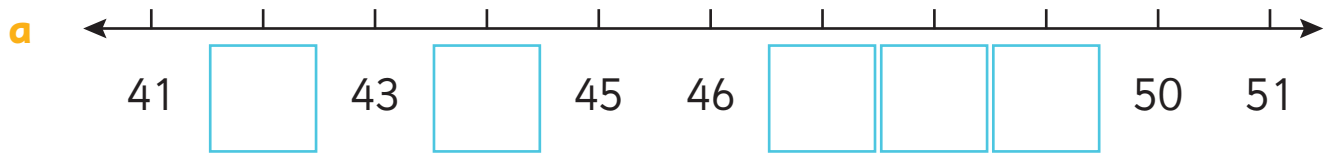
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UNIT 1: TOPIC 1

2-digit numbers

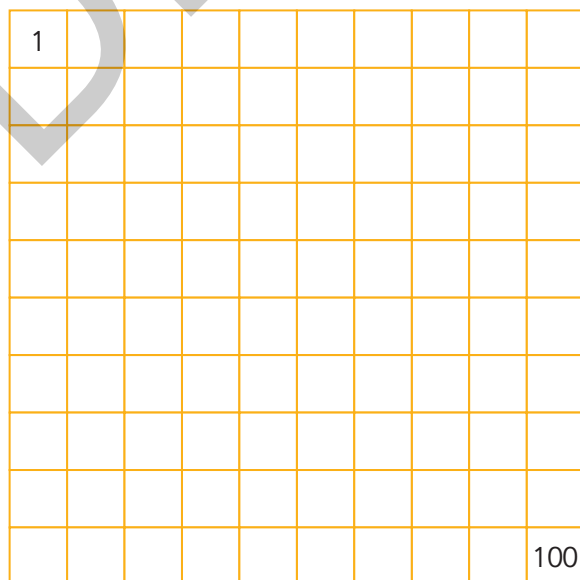
Practice

1 Complete the number lines.



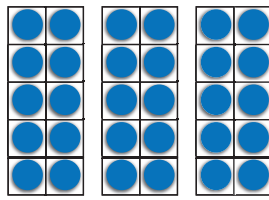
2 Place these numbers in the correct place on the hundred chart.

19 82 45 67 33 6 90 71



Challenge

- 1 Tom and Lexi are using ten-frames to play 'First to 30'. Help Lexi work out how many counters Tom already has on his ten-frames.



- a 6 spaces left = counters on the ten-frames.
- b 11 spaces left = counters on the ten-frames.
- c 18 spaces left = counters on the ten-frames.
- d 9 spaces left = counters on the ten-frames.
- e 23 spaces left = counters on the ten-frames.

- 2 Ana and Stella live on the same street. The difference between their house numbers is 14. What could their house numbers be?

Ana's house number	Stella's house number

You might like to use a number line to help you.



1 Lexi rolls a dice 6 times and makes exactly 30. What numbers could she have rolled?

a _____ + _____ + _____ + _____ + _____ + _____ = 30

b _____ + _____ + _____ + _____ + _____ + _____ = 30

c _____ + _____ + _____ + _____ + _____ + _____ = 30

d _____ + _____ + _____ + _____ + _____ + _____ = 30

e _____ + _____ + _____ + _____ + _____ + _____ = 30

2 Guess the numbers.

a I am an even number. The difference between the two digits in my number is 2. What number might I be?

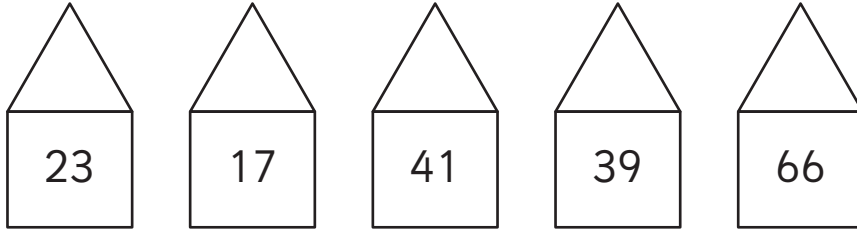
b I am an odd number. The difference between my two digits is 3. What number might I be?

UNIT 1: TOPIC 2

Reading and writing numbers

Practice

1 Write these house numbers in words.



2 Match each person's age to the correct birthday cake.



27



12



50



18



35



Challenge

- 1 Roll two dice. Use the numbers you rolled to make a 2-digit number. Write the number in numerals, in words and draw the number in pictures.

Number in numerals	Number in words	Number in pictures (e.g. icy pole sticks, ten-frames or multi-link cubes)

- 2 What is the other 2-digit number you could have made from the numbers you rolled above?

Number I made	Other number I could have made

I rolled a 3 and a 7. I could have made 37 or 73!



- 3 What number is shown by **x** on the number lines? Write it in numerals and words.

Number line	Number in numerals	Number in words

Mastery

- 1 Jess and Alex saw a group of beetles crawling up a tree. Write how many beetles they might have seen. Each beetle has 6 legs. Work out how many legs there would be.

Number of beetles	Number of legs (in numerals)	Number of legs (in words)
e.g. 2	12	twelve

- 2 There are seven 2-digit numbers whose digits when added together equal 7. Write each of them in numerals and in words. The first one has been done for you.

16

Sixteen

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

1 and 6 is 7. What other numbers can be combined to make 7?



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Oxford Maths is a comprehensive maths program for Foundation to Year 6. It has been designed by experienced classroom teachers to support sequential acquisition of mathematical skills, concepts and knowledge, and is fully aligned with the Australian and Victorian curricula and the New South Wales Syllabus.

The program includes:

- Student Books with guided, independent and extended practice opportunities
- Practice and Mastery Books with reinforcement activities and real-world problems that allow students to explore and apply their knowledge
- Assessment Books featuring pre- and post-tests
- Online Teacher Dashboard with supportive teaching materials.

Differentiation

Differentiation is key to ensuring that every child can access the curriculum at their point of need. In addition to the gradual release approach of the Student Books, the Teacher Dashboard helps teachers to choose differentiation pathways for students.



Access the *Oxford Maths* Teacher Dashboard on oxfordowl.com.au for rich, supportive teaching resources, digital teaching objects and informative videos.



www.oxfordowl.com.au

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