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978-1-107-64111-2 – Cambridge Checkpoint Mathematics
Greg Byrd Lynn Byrd and Chris Pearce
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Greg Byrd, Lynn Byrd and Chris Pearce

Cambridge Checkpoint Mathematics Coursebook 7

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CAMBRIDGE UNIVERSITY PRESS
Cambridge, New York, Melbourne, Madrid, Cape Town,
Singapore, São Paulo, Delhi, Mexico City

Cambridge University Press
The Edinburgh Building, Cambridge CB2 8RU, UK

www.cambridge.org
Information on this title: www.cambridge.org/9781107641112

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First published 2012

Printed in India by Replika Press Pvt Ltd

A catalogue record for this publication is available from the British Library

ISBN 978-1-107-64111-2 Paperback

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Introduction

Welcome to Cambridge Checkpoint Mathematics stage 7

The *Cambridge Checkpoint Mathematics* course covers the Cambridge Secondary 1 mathematics framework and is divided into three stages: 7, 8 and 9. This book covers all you need to know for stage 7.

There are two more books in the series to cover stages 8 and 9. Together they will give you a firm foundation in mathematics.

At the end of the year, your teacher may ask you to take a **Progression test** to find out how well you have done. This book will help you to learn how to apply your mathematical knowledge to do well in the test.

The curriculum is presented in six content areas:

- Number
- Algebra
- Measure
- Handling data
- Geometry
- Problem solving.

This book has 19 units, each related to one of the first five content areas. Problem solving is included in all units. There are no clear dividing lines between the five areas of mathematics; skills learned in one unit are often used in other units.

Each unit starts with an introduction, with **key words** listed in a blue box. This will prepare you for what you will learn in the unit. At the end of each unit is a **summary** box, to remind you what you've learned.

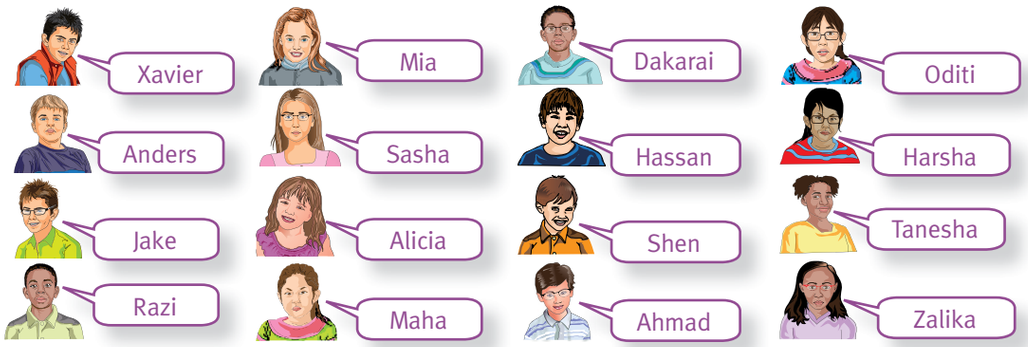
Each unit is divided into several topics. Each topic has an introduction explaining the topic content, usually with worked examples. Helpful hints are given in blue rounded boxes. At the end of each topic there is an exercise. Each unit ends with a review exercise. The questions in the exercises encourage you to apply your mathematical knowledge and develop your understanding of the subject.

As well as learning mathematical skills you need to learn when and how to use them. One of the most important mathematical skills you must learn is how to solve problems.

When you see this symbol, it means that the question will help you to develop your problem-solving skills.

During your course, you will learn a lot of facts, information and techniques. You will start to think like a mathematician. You will discuss ideas and methods with other students as well as your teacher. These discussions are an important part of developing your mathematical skills and understanding.

Look out for these students, who will be asking questions, making suggestions and taking part in the activities throughout the units.



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