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MAKING USE OF MATHEMATICS

for GCSE

G. D. Buckwell and A. D. Ball

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First published 1990

Published by
MACMILLAN EDUCATION LTD
Houndmills, Basingstoke, Hampshire RG21 2XS
and London
Companies and representatives
throughout the world

Typeset by P & R Typesetters Ltd, Salisbury, Wiltshire

British Library Cataloguing in Publication Data
Buckwell, G. D. (Geoffrey D.)

Making use of mathematics for GCSE

1. Mathematics

I. Title II. Ball, A. D. (Alan D.)

510

ISBN 978-1-349-10457-4

ISBN 978-1-349-10455-0 (eBook)

DOI 10.1007/978-1-349-10455-0

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PREFACE

Many students find at the end of five years of secondary education that they still have not reached grade C standard in GCSE Mathematics. It is for these people that this book has been written. It is not aimed at any particular syllabus, but covers all of the topics needed at intermediate level for each examination group both at 16+ and 17+ levels, and also enough extra material to cover the 17+ modular courses such as those offered by LEAG and SEG. Harder questions have also been included in the later chapters for students who are hoping to tackle the higher level of the GCSE examination.

The book does *not* have to be worked through from cover to cover, but it can certainly be used as a course text in this way if required. The approach adopted will help to rekindle the enthusiasm of the reader by putting the mathematics into context, and demonstrating its uses.

As coursework assignments are an essential part of the GCSE examination, a selection of ideas has been included at the end of each unit, though it is expected that many students may be continuing or improving investigational work which they have already presented in a previous examination.

The book contains many worked examples and exercises. A large number of actual examination questions are provided at the end of each unit, so that students may become experienced in approaching and tackling such questions.

The authors would like to record their thanks to Ann Ball and Josie Buckwell for their work in the preparation of the manuscript and also to Colin Prior for his super artwork.

Alan Ball
Geoff Buckwell

ACKNOWLEDGEMENTS

The authors and publishers wish to thank the following who have kindly given permission for the use of copyright material: London East Anglian Group; Midland Examining Group; Northern Examining Association comprised of Associated Lancashire Schools Examining Board, Joint Matriculation Board, North Regional Examinations Board, North West Regional Examining Board and Yorkshire and Humberside Regional Examinations Board; Oxford and Cambridge Schools Examination Board; and Southern Examining Group for questions from specimen and past examination papers.

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Please note that the answers given to the examination questions are the responsibility of the authors. They have not been provided or approved by the examination boards.