

MATHEMATICS EXPLAINED FOR PRIMARY TEACHERS DEREK HAYLOCK



Mathematics Explained For Primary Teachers

Joacim Rocklöv

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Student Workbook for 'Mathematics Explained for Primary Teachers' Derek Haylock, Ralph Manning, 2010-08-05 This workbook provides students with an attractive and engaging means of reviewing reinforcing and applying the material of Mathematics Explained for Primary Teacher 4th Edition chapter by chapter The material in the workbook has been tested and endorsed by primary PGCE trainees Detailed solutions and explanatory notes are provided at the end of the book for each task The self assessment tasks are of three kinds A Checking Understanding Tasks designed to help the reader to check their own understanding of key concepts and principles and their mastery of important skills in each chapter B Processes and Applications Tasks that provide opportunities to apply the mathematical content of each chapter in real life situations and in puzzles problems investigations and other mathematical challenges C Teaching and Learning Tasks that provide opportunities for the reader to consider their responses to children s errors and misunderstandings and to consider the content of each chapter in terms of approaches to teaching and learning in a primary school context Mathematics Explained for Primary Teachers Derek Haylock, 2010-07-20 This Fourth Edition of Derek Haylock's much loved textbook has been fully revised and restructured to match the current Attainment Targets for mathematics in England Every chapter is written in a way that integrates children's learning classroom practice and the teacher's own requirements for subject knowledge making this the ideal text for primary PGCE courses Features in the new edition include two new chapters on mathematics in the primary curriculum and learning to learn mathematics more prominence given to using and applying mathematics sections matching the attainment targets for mathematics more learning and teaching points highlighted

throughout the text further material on number risk use of ICT graphs and data handling a research focus in every chapter Additional online support The companion website provides a glossary and additional material to enable primary trainees to prepare with confidence for the ITT Numeracy test and provides details of how each chapter of the book is linked to the National Curriculum This will be updated to reflect any updates to the National Curriculum as they are introduced You can also follow Derek Haylock's blog and Twitter feeds to discuss and share issues news policy and anything primary maths related Visit the companion website www uk sagepub com haylock Review Derek s blog http derek haylock blogspot co uk Follow Derek on Twitter https twitter com derek haylock Extensively used on primary PGCE courses and undergraduate courses leading to QTS this bestselling book is an essential resource for all trainee primary teachers A companion Student Workbook is also available which provides self assessment activities for students to check their understanding of key concepts helps students to practise key mathematical processes and to apply mathematics in real life situations gives opportunities to apply their knowledge to teaching and learning **Student Workbook Mathematics Explained for Primary Teachers** Derek Haylock, 2024-04-13 This is the perfect companion to Derek Haylock's Mathematics Explained for Primary Teachers 7th edition It contains 900 questions with detailed solutions and explanatory notes Test your knowledge of key concepts and principles Apply mathematical skills and knowledge in real life situations and to mathematical problems and investigations Consider how to respond to children's errors and misunderstandings and how to evaluate different teaching approaches Be inspired to develop classroom ideas that promote understanding and mastery Use me with Haylock *Mathematics Explained for Primary Teachers* Mathematics Explained for Primary Teachers 7th edition 978 1 5296 2629 2 - 4/Ed / Student Wkbk for Mathematics Explained for Primary Teachers Derek Haylock, Ralph Manning, 2010-09-01 This specially discounted book pack combines the new fourth edition of Derek Haylock's much loved textbook Mathematics Explained for Primary Teachers with the brand new accompanying Student Workbook Mathematics Explained for Primary Teachers The new fourth edition of Mathematics Explained for Primary Teachers has been fully revised and restructured to match the current Attainment Targets for mathematics in England Every chapter is written in a way that integrates children s learning classroom practice and the teacher's own requirements for subject knowledge making this the ideal text for primary PGCE courses Some of the changes in the new edition include Two new chapters on mathematics in the primary curriculum and learning to learn mathematics More prominence given to using and applying mathematics Sections matching the attainment targets for mathematics More learning and teaching points highlighted throughout the text Further material on number risk use of ICT graphs and data handling A research focus in every chapter The companion website www sagepub co uk haylock provides a glossary and additional material to enable primary trainees to prepare with confidence for the ITT Numeracy test and provides details of how each chapter of the book is linked to the National Curriculum This will be updated to reflect any updates to the National Curriculum as they are introduced Extensively used on primary PGCE courses and

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of how mathematics is learnt In this indispensible book the authors help you to understand mathematical concepts and how children come to understand them and also help develop your own confidence with mathematical activities Each chapter of this book includes Real life examples and illustrations from children and teachers in the classroom The research behind some of the concepts and teaching approaches discussed Pauses to reflect and discuss your own mathematical knowledge and experience Age appropriate classroom activities to try with your class or group Understanding Mathematics for Young Children Derek Haylock, Anne D Cockburn, 2008-10-14 This book is the ideal way to dispel some of the fears which surround the subject area of mathematics and should be an essential part of the professional development library of every early years setting provider for children aged three and over Early Years Update A book that is both readable and rigorous Its guidance will help teachers to make mathematics meaningful to young children Throughout the book connections are made which relate language symbols concrete materials and pictures to the key ideas that are central to effective learning for the 21st century This book will help teachers gain a depth of understanding that will make them confident in engaging children with real mathematical thinking Dr J E Anghileri Senior Lecturer in Mathematics and Mathematics Education Faculty of Education University of Cambridge This is an updated version of a classic text which has been a best seller among teachers and student teachers for many years Being always strongly grounded in the classroom it develops in a non intimidating way teachers own understanding of the mathematics they are teaching Many insightful examples of children's thinking and appropriate activities help to illustrate the points This is an essential book for teachers of Early Years and Key Stage 1 Margaret Brown Professor of Mathematics Education King s College London UK This is a fully revised version of the authors successful and much used book Understanding Mathematics in the Lower Primary Years updated to include the current Foundation Stage Curriculum and the new Primary Framework in England The authors empower the reader to have a clearer understanding of the mathematical ideas behind the material they use in the classroom They also show how children can be helped to develop an understanding of mathematics for themselves rather than just learning recipes and routines with little meaning Major themes are Understanding through making connections Equivalence and transformation Using and applying mathematics It is written for teachers and teacher trainees engaged in teaching mathematics to children aged 3 to 8 years It is an essential student text and professional reference work for all teachers of children aged 3 to 8 years Dr Derek Haylock is an education consultant and author working in the field of mathematics education His book Mathematics Explained for Primary Teachers has been a leader in the field for many years with a third edition published in 2006 Dr Anne Cockburn is a Reader in the School of Education and Lifelong Learning at the University of East Anglia Norwich Watch the authors talking about their book here YouTube **BUNDLE** Claire Mooney, Mary Briggs, Roger Gomm, Derek Haylock, 2013-05-22 Understanding Mathematics for Young Children Derek Haylock, Anne D Cockburn, 2017-02-08 Having a deep understanding of the mathematical ideas and concepts taught in the classroom is vital as a nursery or primary school teacher In order for children

to get to grips with these concepts trainee teachers need to be aware of how they come to interpret and understand them Now in its 5th edition this essential book helps trainee teachers develop their own knowledge of key mathematical ideas and concepts for the nursery and primary classroom Now focusing specifically on ages 3.7 it also supports trainees with several age appropriate classroom activities As well as updates to further reading suggestions and research focuses this revised edition includes new content on Mastery in learning mathematics Simple fractions Roman numerals Money as a form of Mathematics in the Primary School Sandy Pepperell, Christine Hopkins, Sue Gifford, Peter Tallant, 2014-03-18 Now in its third edition Mathematics in the Primary School has been updated to reflect recent mathematics curriculum documentation and revised standards for QTS Key areas include The role of talk in learning maths Teacher questioning Development of children's reasoning Creative engagement with maths Assessment for learning and self assessment Suggested resources for teachers including ICT Providing a coherent set of principles for teaching primary mathematics across the main topics in the curriculum the authors explore children's understanding of key areas of mathematics at reception infant and junior levels Important principles and teaching approaches are identified including the use of calculators and computers and there is an emphasis on mental mathematics and problem solving supporting key issues raised by the Williams review 2008 Case studies are used throughout to illustrate how different teaching approaches are put into practice and how children respond to them and there is advice on planning organisation and assessment of mathematical learning in the classroom Emphasising the importance of teachers own mathematical knowledge and offering clear guidance and practical advice this book is essential reading for students NQTs and practising teachers with a focus on primary mathematics Your Primary School-based Experience Catriona Robinson, Branwen Bingle, Colin Howard, 2025-02-28 This book is an essential companion for all primary trainee teachers whatever their training route It focuses on the school based experience and provides both practical strategies and opportunities for reflection so trainees are challenged to critically evaluate their learning in order to improve attainment and ultimately succeed while in their school settings The book reflects current educational policy and embraces key national priority areas including behaviour inclusion and the teaching of phonics and early mathematics Other chapters look at professional partnerships planning and assessment employability and crucially how to move from good to outstanding teaching Case studies enliven the text and present a range of perspectives for consideration while critical questions engage the reader and promote a deeper understanding of the text This second edition of Primary School Placements has been fully revised throughout and in particular provides an increased focus on evidence based practice and is referenced to the latest national curriculum Teaching Children 3 - 11 Anne D Cockburn, Graham Handscomb, 2006-02-18 This book has something for all students combining theory with useful practical advice Issues I know students often find challenging such as behaviour management making the most of the tutor s visit and working with other adults are all included a worthwhile investment for students on any ITT course Child Education Teaching

Children 3 11 is a book for those contemplating a career in primary teaching those about to embark on initial teacher education and those who are simply interested in the business of teaching children aged three to 11 years It provides an overview of the key aspects involved in becoming a primary teacher both in terms of new government initiatives e q the National Primary Strategy collaboration and networking and personalization but also in terms of what it is to be a trainee teacher in the rapidly evolving world of primary schooling This Second Edition brings readers up to date with the many changes that have taken place in primary education in the last five years and the book now takes into account the many different ways of becoming a trainee teacher including open learning in school training and modular study New material in this edition includes a look at CPD studies especially reflection lifelong learning and mentoring collaborative practice and further discussion on professional values and working with other adults in the classroom **Understanding Mathematics** in the Lower Primary Years Derek Haylock, Anne D Cockburn, 1997-04-28 This is a substantially revised and expanded edition of the authors earlier book Understanding Early Years Mathematics It is written for teachers and student teachers working with children 4 8 It aims to provide them with a clearer understanding of the mathematical material they deal with in the classroom This revised edition includes new chapters on number patterns and calculations data handling and the characteristic ways of thinking mathematically that are at the heart of using and applying mathematics Each chapter includes a section of activities for use with children annotated suggestions for further reading and a summary of key ideas

Teaching 3-8 Mark O'Hara,2004 Providing comprehensive coverage of the issues involved in the new government chapters on 3 8 teaching this is a textbook for initial teacher training and for newly qualified teachers <u>Teaching Children</u> <u>Mathematics</u>, 2004 Proceedings of the ... International Conference for the Psychology of Mathematics Education ,1997

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