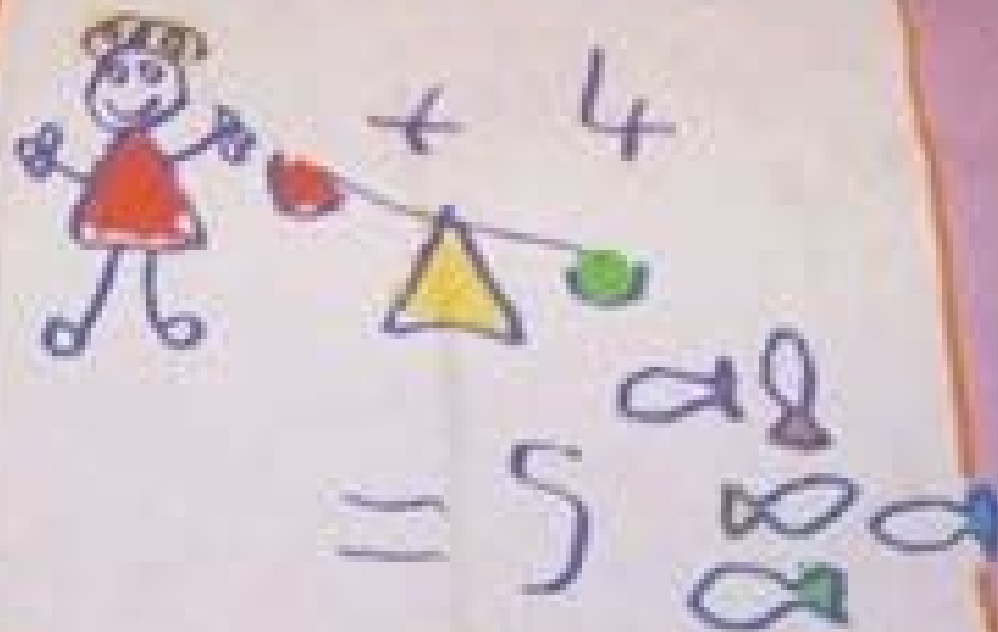


Edited by Sue Atkinson

Mathematics with Reason



*The Emergent Approach
to Primary Maths*

Mathematics With Reason The Emergent Approach To Primary Maths Paperback

Kate Tucker



Mathematics With Reason The Emergent Approach To Primary Maths Paperback:

Mathematics with Reason Sue Atkinson,1992 This book shows how teachers may adapt their maths teaching to bring it in line with the way children actually learn mathematical concepts It includes teacher s accounts of how they have tried to make maths real to their children and theory emerges from these accounts of good practice Becoming Literate in Mathematics and Science ,2001 *Understanding and Teaching Primary Mathematics* Tony Cotton,2014-04-29 How would you teach the concept of odd and even numbers to a child What is the probability of throwing a three on a six sided die How could you help a child who is confusing ratio and proportion By seamlessly combining subject knowledge and pedagogy the second edition of *Understanding and Teaching Primary Mathematics* will not only build your own confidence in mathematics but also equip you with the curriculum understanding and pedagogical know how to excel at teaching maths to children of any age Written in a clear and accessible way the book guides you through the fundamental ideas which are at the heart of teaching and learning maths with special focus on observation and assessment of primary and early years children Hallmark features Links to the classroom and research are provided throughout to help you relate educational theory to your own teaching practice Portfolio and audit tasks allow you to assess your own subject knowledge and build up a portfolio of evidence to gain Qualified Teacher Status The accompanying extra resources offers topic specific self audits for you to monitor your progress exemplar lesson plans a range of Portfolio Tasks mapped directly to current teacher standards and web links to up to date online resources New to this edition Resource Inspiration boxes give inviting examples of different activities to do with your class to provide inspiration for your own teaching High quality videos with corresponding discussion have been expertly selected from Teachers TV help to widen your skills and develop your practice offering tips lesson ideas and classroom resources **ENC Focus** ,2001 **Professional Development for Math and Science** ,1997 **Understanding and Teaching Primary Mathematics in Australia** Tony Cotton,Jess Greenbaum,Michael Minas,2022-08-30 Written by experienced teacher educator and author Tony Cotton and two Australian primary teachers Jess Greenbaum and Michael Minas *Understanding and Teaching Primary Mathematics in Australia* combines pedagogy and mathematics subject knowledge to build teachers confidence both in their mathematical subject knowledge and in their ability to teach mathematics effectively The book covers all the key areas of the Australian Curriculum for mathematics from teaching number and calculation strategies to exploring geometry and statistics There are also chapters that deal with the teaching of mathematics in the Early Years inclusive approaches to mathematics teaching and teaching mathematics using ICT Stimulating accessible and containing a wealth of practical ideas for use in the classroom *Understanding and Teaching Primary Mathematics in Australia* is an essential text for graduate and practicing teachers alike **Inquiry and Problem Solving** ,1999 *Mathematics Through Play in the Early Years* Kate Tucker,2010-03-18 Teaching mathematics to young children in creative ways is made easy with this second edition of a wonderful book which offers the reader clear advice and

lots of exciting ideas to use in any early years setting By showing how to introduce mathematical concepts through play based activities this book is in tune with current thinking about best practice in teaching and with the requirements of the Early Years Foundation Stage and current Primary National Strategy New material includes an additional chapter on creative recording a whole new chapter on ways to involve parents discussion of policy throughout the UK more on using ICT case studies covering the whole birth to eight age range Essential reading for any practitioner who wants to develop their mathematics teaching this book is equally important for all trainee teachers and early years students Kate Tucker is an early years teacher trainer and writer based in Exeter she has over 20 years of experience and has written widely on early years mathematics and Foundation Stage practice

Learning and Teaching Mathematics 0-8 Helen Taylor, Andrew Harris, 2013-11-14 What a super book It is absolutely packed with practical ideas and activities to help you love maths and love teaching and or learning it It certainly helps to develop an enthusiasm for a subject most adults tend to say I m no good at Early Years Educator A wonderful book packed with practical ideas and activities to help all students love maths Jo Boaler Professor of Mathematics Education Stanford University Fostering an enthusiasm for mathematics in young children is a vital part of supporting their mathematical development Underpinned by subject and pedagogical knowledge case studies and research based perspectives the authors provide clear guidance on how to support young children s learning and understanding in an effective and engaging way Contemporary approaches to developing essential mathematical learning for young children are explored including play practical activities and talk for mathematics outdoor learning understanding pattern counting calculation and place value measures and shape problem solving and representing mathematics assessment working with parents Written for both trainees and practitioners working with children aged 0 to 8 years including those studying for Early Years and Early Childhood degrees and those on Primary PGCE and Primary Education courses this book offers mathematical subject knowledge and teaching ideas in one volume Helen Taylor is Course Leader of PGCE Primary Part time Mathematics at Canterbury Christ Church University Andrew Harris is Course Leader of PGCE Modular Mathematics at Canterbury Christ Church University

Individual Differences in Arithmetic Ann Dowker, 2019-03-27 Arithmetic is still hugely important in many aspects of modern life but our personal attitudes to it differ greatly Many people struggle with the basic principles of arithmetic whilst others love it and feel confident in their arithmetical abilities Why are there so many individual differences in people s performance in and feelings about arithmetic Individual Differences in Arithmetic explores the idea that there is no such thing as arithmetical ability only arithmetical abilities The book discusses several important components of arithmetic from counting principles and procedures to arithmetical estimation alongside emotional and cognitive components of arithmetical performance This edition has been extensively revised to include the latest research including recent cross cultural and cross linguistic research the development of new interventions for children with difficulties and studies of early foundations of mathematical abilities Drawing on developmental educational

cognitive and neuropsychological studies this book will be essential reading for all researchers of mathematical cognition It will also be of interest to educators and other professionals working within individuals with arithmetic deficits

Mathematics With Reason The Emergent Approach To Primary Maths Paperback Book Review: Unveiling the Power of Words

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