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Nota di contenuto	Cover; Title; Copyright; Acknowledgements; Contents; Foreword - From assessment to teaching; Getting started; Part 1: Foundations of Numeracy: Mental Maths; 1. Numbers 1 to 10: Counting; Counting to 10: comparing quantities; Counting to 10: number names and one-to-one correspondence; Estimate up to 10; Read and sequence numbers; Write digits 0 to 9; Read and spell number words; Dot patterns 1 to 10: doubles and near doubles; Compare numbers using Cuisenaire rods; 2. Numbers to 10: Calculation; Early calculation: add 1 or 2, subtract 1 or 2; Key facts: doubles and near doubles bonds Double and half: language and conceptDouble and half: the linear model to 5 + 5; Doubles and near doubles: developing logical reasoning; Key facts: bonds of 10; Bonds of 10: the linear model using Cuisenaire rods; Bonds of 10: practice and revision; Key facts: bonds of all the numbers to 10; Bonds of all the numbers to 10: linear model using Cuisenaire rods; 3. Numbers to 20: Counting; Counting to 20: number names and one-to-one correspondence; Sequence, read and write numbers to 20; Estimation to 20; Locate numbers to 20 on a bead string; 'Counting on' to 20 Sequence to 20: visual model using Cuisenaire rodsNumber tracks; Counting back from 20; The number line; The midpoint on a number line; 4. Numbers to 20: Calculation; Addition: 10 + a single digit; Find bonds of 10 in 'string addition'; Bridge through 10; Extend doubles to

10 + 10; Subtraction: the concept; Subtraction: applying key facts; Subtraction: bridging back through 10; Subtraction: complementary addition (the shopkeeper's method); 5. Numbers to 100: Counting; Counting in ones to 100; Counting in tens to 100; Estimate up to 100; Base 10 and the principle of exchange
The value of digits in two-digit numbersNumber lines to 100; Flexible counting forwards and backwards; Rounding numbers; Sequences and step counting; Find the rule, continue the sequence; Odd and even numbers; Understanding the 100 square; 1 or 10 more or less than a given number on the 100 square; 6. Numbers to 100: Calculation; Apply doubles and near doubles facts to calculations with two-digit numbers; Apply bonds of 10 to add or subtract decade numbers to 100; Extend bridging through 10 to two-digit numbers; Partitioning to add or subtract two-digit numbers
Sequencing to add or subtract two-digit numbersThe compensation method to add or subtract two-digit numbers; 7. Multiplication and division; Multiplication: the concept of repeated addition; The 10 times table; The 5 times table; Learning all the multiplication tables; Multiplication as an array; Multiplication linking the array to the area model; Division concepts: grouping and sharing; Division calculation methods; Part 2: Formal Numeracy; 8. The place value system; Build 3-digit numbers with hundreds, tens and units; Understanding the place value grid; Zero as a place holder
Exchange on the place value grid

Sommario/riassunto

This new book by authors Jane Emerson and Patricia Babtie follows on from their award winning book, the Dyscalculia Assessment. Once careful assessment has identified the particular numeracy difficulties your pupils may have, the Dyscalculia Solution provides a practical teaching guide for addressing and solving those difficulties. The Dyscalculia Solution includes step-by-step instructions on how to teach pupils to use whole numbers by talking and reasoning about them, and communicating their thinking in a verbal, diagrammatic and written form. The book includes scripts to emphasise th