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Nota di contenuto	Preface; Contents; Chapter 1 An Exploratory Study on Low Attainers in Primary Mathematics (LAPM) Berinderjeet KAUR KOAY Phong Lee FOONG Pui Yee Akhila SUDARSHAN; 1 Why Study Low Attainers in Primary Mathematics; 2 Who are the Low Attainers in Primary Mathematics; 3 Review of Literature; 4 The Research Questions; 5 Method; 5.1 The sample; 5.2 Instruments; 5.2.1 School management questionnaire; 5.2.2 Teacher profile questionnaire; 5.2.3 Teacher interview prompts; 5.2.4 Benchmark mathematics test; 5.2.5 Pupil profile questionnaire; 5.2.6 Pupil behaviour questionnaire; 5.2.7 Pupil maths learning questionnaire; 5.2.8 Pupil interview prompts; 5.2.9 Pupil journal; 5.2.10 Lesson observation analytical questions; References; Chapter 2 Mathematics Content Knowledge of Low Attainers KOAY Phong Lee CHANG Suo Hui Masura GHANI; 1 Introduction; 2 Background; 2.1 Whole numbers; 2.2 Fractions; 2.3 Measurement; 2.4 Geometry; 2.5 Data analysis; 3 The Subjects; 4 Procedures and Instruments; 5 Data and Findings; 5.1 Whole numbers; 5.1.1 Number notation; 5.1.2 Ordinal numbers; 5.1.3 Comparing numbers; 5.1.4 Even numbers; 5.1.5 Number patterns; 5.1.6 Column addition and subtraction; 5.1.7 Multiplication facts; 5.1.8 Quotient and remainder; 5.1.9 Identification of correct operation in a given context; 5.1.10 Word problems; 5.2 Fractions; 5.2.1 Interpret and represent fractions; 5.2.2 Equivalent fractions; 5.2.3 Comparing and ordering fractions; 5.2.4 Adding and subtracting fractions; 5.2.5 Word

problems; 5.3 Measurement; 5.3.1 Length; 5.3.2 Capacity and mass; 5.3.3 Area and perimeter erimeter; 5.3.4 Money; 5.3.5 Word problems; 5.4 Geometry; 5.4.1 Lines; 5.4.2 Shapes; 5.4.3 Angles; 5.5 Data analysis; 5.5.1 Reading the data 5.5.2 Reading between the data5.5.3 Completing the bar graph; 6 Discussion and Concluding Remarks; References; Chapter 3 Characteristics of Low Attainers: Behaviours Affects and Home Backgrounds FOONG Pui Yee Masura GHANI CHANG Suo Hui; 1 Introduction; 2 Review of Literature; 2.1 Pupils' behaviours in mathematics classroom; 2.2 Affects in learning; 2.3 Home backgrounds; 3 The Study and Conceptual Framework; 4 The Subjects; 5 Procedures and Instruments; 5.1 Pupil profile questionnaire; 5.2 Pupil behaviour questionnaire; 5.3 Pupil maths learning questionnaire; 5.4 Pupil interview prompts 5.5 Pupil journal6 Data and Findings; 6.1 Classroom behaviours; 6.1.1 Classroom interactions; 6.1.2 On-task behaviours; 6.1.3 Attendance; 6.2 Affects in learning mathematics; 6.2.1 Pupils' perception of mathematics; 6.2.2 Pupils' perceived importance of mathematics; 6.2.3 Pupils' self-confidence in mathematics; 6.2.4 Pupils' self-concept and motivation in mathematics; 6.2.5 Pupils' feeling towards learning mathematics; 6.3 Home background and support; 6.3.1 Pupils' demographic profile; 6.3.2 Parents' educational backgrounds; 6.3.3 Homework and home support; 7 Discussion of Results 7.1 Classroom behaviours

Sommario/riassunto

Low Attainers in Primary Mathematics focuses on data from students in Singapore schools. It is widely acknowledged that students from Singapore do well in mathematics in international studies. This book provides readers with a glimpse of students from Singapore who are at the other end of the ability spectrum. The book is based on a study that explored the mathematics content knowledge of Primary 4 low attainers in mathematics, their behaviours, affects and home backgrounds, and learning experiences. Based on the findings of the study, the book has recommendations for teachers of low attainers
