

1. Record Nr.	UNINA9910784822403321
Autore	Ryan Julie (Julie T.)
Titolo	Children's mathematics 4-15 [[electronic resource]] : learning from errors and misconceptions / / Julie Ryan, Julian Williams
Pubbl/distr/stampa	Maidenhead, : McGraw-Hill/Open University Press, 2007
ISBN	1-281-12970-4 9786611129705 0-335-23020-2
Descrizione fisica	1 online resource (262 p.)
Altri autori (Persone)	Williams Julian (Julian S.)
Disciplina	510.71
Soggetti	Mathematics - Study and teaching (Elementary) Mathematics - Study and teaching (Secondary)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Half title; Title; Copyright; Contents; Acknowledgements; Chapter 1 Introduction; Chapter 2 Learning from errors and misconceptions; Chapter 3 Children's mathematical discussions; Chapter 4 Developing number; Chapter 5 Shape, space and measurement; Chapter 6 From number to algebra; Chapter 7 Data-handling, graphicacy, probability and statistics; Chapter 8 Pre-service teachers' mathematics subject matter knowledge; Chapter 9 Learning and teaching mathematics: towards a theory of pedagogy; Appendix 1: Common errors and misconceptions; Appendix 2: Discussion prompt sheets; Glossary References Index; Back cover
Sommario/riassunto	Develops concepts for teachers to use in organizing their understanding and knowledge of children's mathematics. This book offers guidance for classroom teaching and concludes with theoretical accounts of learning and teaching. It transforms research on diagnostic errors into knowledge for teaching, teacher education and research on teaching.