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Autore	Ash Avner
Titolo	Fearless Symmetry : Exposing the Hidden Patterns of Numbers - New Edition // Robert Gross, Avner Ash
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ISBN	9786612964893 9781282964891 1282964895 9781400837779 1400837774
Edizione	[New edition with a New preface by the authors]
Descrizione fisica	1 online resource (307 p.)
Classificazione	SK 180
Disciplina	512.7
Soggetti	Number theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Frontmatter -- Contents -- Foreword -- Preface To The Paperback Edition -- Preface -- Acknowledgments -- Greek Alphabet -- Part One. Algebraic Preliminaries -- Chapter 1. Representations -- Chapter 2. Groups -- Chapter 3. Permutations -- Chapter 4. Modular Arithmetic -- Chapter 5. Complex Numbers -- Chapter 6. Equations and Varieties -- Chapter 7. Quadratic Reciprocity -- Part Two. Galois Theory and Representations -- Chapter 8. Galois Theory -- Chapter 9. Elliptic Curves -- Chapter 10. Matrices -- Chapter 11. Groups of Matrices -- Chapter 12. Group Representations -- Chapter 13. The Galois Group Of A Polynomial -- Chapter 14. The Restriction Morphism -- Chapter 15. The Greeks Had a Name for it -- Chapter 16. Frobenius -- Part Three. Reciprocity Laws -- Chapter 17. Reciprocity Laws -- Chapter 18. One- And Two-Dimensional Representations -- Chapter 19. Quadratic Reciprocity Revisited -- Chapter 20. A Machine for Making Galois Representations -- Chapter 21. A Last Look at Reciprocity -- Chapter 22. Fermat's Last Theorem and Generalized Fermat Equations -- Chapter 23. Retrospect -- Bibliography -- Index
Sommario/riassunto	Mathematicians solve equations, or try to. But sometimes the solutions

are not as interesting as the beautiful symmetric patterns that lead to them. Written in a friendly style for a general audience, *Fearless Symmetry* is the first popular math book to discuss these elegant and mysterious patterns and the ingenious techniques mathematicians use to uncover them. Hidden symmetries were first discovered nearly two hundred years ago by French mathematician *évariste* Galois. They have been used extensively in the oldest and largest branch of mathematics--number theory--for such diverse applications as acoustics, radar, and codes and ciphers. They have also been employed in the study of Fibonacci numbers and to attack well-known problems such as Fermat's Last Theorem, Pythagorean Triples, and the ever-elusive Riemann Hypothesis. Mathematicians are still devising techniques for teasing out these mysterious patterns, and their uses are limited only by the imagination. The first popular book to address representation theory and reciprocity laws, *Fearless Symmetry* focuses on how mathematicians solve equations and prove theorems. It discusses rules of math and why they are just as important as those in any games one might play. The book starts with basic properties of integers and permutations and reaches current research in number theory. Along the way, it takes delightful historical and philosophical digressions. Required reading for all math buffs, the book will appeal to anyone curious about popular mathematics and its myriad contributions to everyday life.

2. Record Nr.	UNINA9910974970803321
Autore	Flint Kevin J.
Titolo	Rethinking practice, research education : a philosophical inquiry // Kevin J. Flint, Adam Barnard, Paul Gibbs
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ISBN	9781441193049 1441193049 9781441181510 1441181512 9781474217477 1474217478 9781441167576 1441167579
Descrizione fisica	1 online resource (337 p.)
Collana	Bloomsbury research methods
Classificazione	EDU037000
Disciplina	370.7
Soggetti	Education - Philosophy Education - Research - Methodology Education - Research
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: -- AcknowledgementsIntroductionPrologue: Rationale for the Approach Adopted in This StudyPart I: Practice of Social and Educational Research1. The Pragmatics of Practice in Research: What Is so Easily Missed?2. Existential Dramas in Researching Practice: What Is Their Significance?3. Power, Politics, and Rationalities of Researching Practice: What Can Be Learned from Foucault and Agamben?Part II: Laws and Justice to Come in Practice4. Reframing the Ethics of Research: Laws and Justice to Come5. Re-framing the Ethics of Research: Laws and Justice in the Practice of ResearchPart III: Method -- ologies in Practice6. Transformations-in Research: Moving Beyond Disciplinary Regimes7. Transformations-in Research Methodologies: Moving Beyond Enframing8. Transformations-in Methods: Opening Space for Beings9.

Transformations-in the Analytics of Research: Generating Spacing for Thinking
Part IV: The Politics of Practice
10. The Politics of Evidence: Challenging Forces 'Delimiting Education' in This Liquid Modern World'
11. The Politics of practice: Challenging Spacing for Play in Delimiting Forms of Education
12. The Politics of identity: Moving towards Justice in the Event of Research
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Sommario/riassunto

"Rethinking Practice, Research and Education brings together philosophy with traditional methodological discourse, and opens a space for critical thinking in social and educational research. Drawing on the work of Heidegger, Derrida, Foucault and their descendants, this engaging critical examination of practice applies a deconstructive reading to the practices of research. Where is justice in the practice of research? How do paradigms for the production of knowledge shape what is given in the practice of research? What are the key issues involved in developing an ethos for the practice of research in the light of society's complex relationship with essential forms of technology? Each of these dimensions are explored, drawing on the traditions of research and their interplay with researchers' responsibilities to work towards justice in research. A must-read for researchers, bringing the language of philosophy to the current debate about the impact of social and educational research in practice."--
