

1. Record Nr.	UNINA9910449869503321
Autore	Harel Guershon
Titolo	Development of Multiplicative Reasoning in the Learning of Mathematics [[electronic resource]]
Pubbl/distr/stampa	Ithaca, : State University of New York Press, 1994
ISBN	1-4384-0580-4
Descrizione fisica	1 online resource (197 p.)
Altri autori (Persone)	ConfreyJere
Disciplina	372.7/2044
Soggetti	Division Mathematics -- Study and teaching (Elementary) Multiplication Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	<p>CONTENTS; INTRODUCTION; I: THEORETICAL APPROACHES; 1. Children's Multiplying Schemes by Leslie P. Steffe; 2. Multiplicative Conceptual Field: What and Why? by Gerard Vergnaud; 3. Extending the Meaning of Multiplication and Division by Brian Greer; II: THE ROLE OF THE UNIT; 4. Ratio and Proportion: Cognitive Foundations in Unitizing and Norming by Susan J. Lamon; 5. Units of Quantity: A Conceptual Basis Common to Additive and Multiplicative Structures by Merlyn J. Behr, Guershon Harel, Thomas Post, and Richard Lesh; III: RATIO AND RATE</p> <p>6. The Development of the Concept of Speed and Its Relationship to Concepts of Rate by Patrick W. Thompson7. Missing-Value Proportional Reasoning Problems: Factors Affecting Informal Reasoning Patterns by James J. Kaput and Mary Maxwell West; IV: MULTIPLICATIVE WORLDS; 8. Splitting, Similarity, and Rate of Change: A New Approach to Multiplication and Exponential Functions by Jere Confrey; 9. Multiplicative Structures and the Development of Logarithms: What Was Lost by the Invention of Function? by Erick Smith and Jere Confrey; V: INTUITIVE MODELS</p> <p>10. The Impact of the Number Type on the Solution of Multiplication and Division Problems: Further Considerations by Guershon Harel, Merlyn Behr, Thomas Post, and Richard LeshVI: SUMMARY; 11. Multiple</p>

Views of Multiplicative Structure by Thomas E. Kieren; Index; NAME
INDEX; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; R; S; T; V; W; SUBJECT
INDEX; A; B; C; D; E; F; G; H; I; L; M; N; O; P; Q; R; S; T; U; V; W
