

1. Record Nr.	UNINA9910451574103321
Autore	Isoda Masami
Titolo	Mathematical Thinking [[electronic resource]] : How to Develop It in the Classroom
Pubbl/distr/stampa	Singapore, : World Scientific Publishing Company, 2012
ISBN	1-280-66949-7 9786613646422 981-4350-85-0
Descrizione fisica	1 online resource (318 p.)
Collana	Monographs on Lesson Study for Teaching Mathematics and Sciences
Altri autori (Persone)	KatagiriShigeo
Disciplina	510.71
Soggetti	Effective teaching Mathematical ability Mathematics -- Study and teaching Mathematics - Study and teaching (Primary) Mathematics Physical Sciences & Mathematics Elementary Mathematics & Arithmetic Mathematics Teaching & Research 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	Preface to the Book; Preface to the Series; Acknowledgements; Contents; Introductory Chapter: Problem Solving Approach to Develop Mathematical Thinking; 1.1 The Teaching Approach as the Result of Lesson Study; 1.1.1 Learning mathematics by/for themselves; 1.1.2 The difference between tasks and problems (problematic); 1.1.3 Teachers' questioning, and changing and adding representations; 1.1.4 Extending the ideas which we have already learned; 1.2 Setting the Activities for Explaining, Listening, Reflecting, and Appreciating in Class; 1.2.1 Structure of Problem Solving Approaches 1.2.2 Diversity of solutions and the objective of the class 1.2.3 Comparison based on the problematic; 1.2.4 Using the blackboard for illustrating children's thinking process; 1.3 The Roles of the Curriculum

and Textbooks; 1.4 Perspectives for Developing Mathematical Thinking; 1.4.1 Mathematical thinking: a major research topic of lesson study; 1.4.2 Mathematical thinking: a bird's-eye view; References; Part I Mathematical Thinking: Theory of Teaching Mathematics to Develop Children Who Learn Mathematics for Themselves; Chapter 1 Mathematical Thinking as the Aim of Education 1.1 Developing Children Who Learn Mathematics for Themselves 1.2 Mathematical Thinking as an Ability to Think and to Make Decisions; 1.3 The Hierarchy of Ability and Thinking; Chapter 2 The Importance of Cultivating Mathematical Thinking; 2.1 The Importance of Teaching Mathematical Thinking; 2.1.1 The driving forces in pursuing knowledge and skills; 2.1.2 Achieving independent thinking and the ability to learn independently; 2.2 Example: How Many Squares Are There?; 2.2.1 The usual lesson process; 2.2.2 Problems with this method; 2.2.3 The preferred method 2.2.4 Mathematical thinking is the key ability here Chapter 3 The Mindset and Mathematical Thinking; 3.1 Mathematical Thinking; 3.1.1 Focus on the mindset: attitude and disposition; 3.1.2 Three variables for thinking mathematically; 3.1.3 Importance of Denotative understanding of mathematical thinking; 3.1.4 Mathematical thinking is the driving force behind knowledge and skills; 3.2 Structure of Mathematical Thinking; Chapter 4 Mathematical Methods; 4.1 Inductive Thinking; Meaning; Examples; Important aspects about teaching inductive thinking; 4.2 Analogical Thinking; Meaning; Examples Important aspects about teaching analogical thinking 4.3 Deductive Thinking; Meaning; Examples; Important aspect about teaching deductive thinking; 4.4 Integrative Thinking; Meaning; Type I integration (high-level integration); Type II integration (comprehensive integration); Type III integration (extensional thinking); Example for type I; Example 2 for type II; Example 3 for type III; Important aspects about teaching integrative thinking; 4.5 Developmental Thinking; Meaning; Examples; Important aspects about teaching developmental thinking; 4.6 Abstract Thinking (Abstraction); Meaning Examples

Sommario/riassunto

Developing mathematical thinking is one of major aims of mathematics education. In mathematics education research, there are a number of researches which describe what it is and how we can observe in experimental research. However, teachers have difficulties developing it in the classrooms. This book is the result of lesson studies over the past 50 years. It describes three perspectives of mathematical thinking: Mathematical Attitude (Minds set), Mathematical Methods in General and Mathematical Ideas with Content and explains how to develop them in the classroom with illuminating examples.

2. Record Nr.	UNISA996392426503316
Titolo	A letter from the general meeting of officers of the army [[electronic resource]] : and directed to the officers of the several garrisons and regiments of souldiers both in Ireland, Scotland, and England
Pubbl/distr/stampa	London, : printed by Henry Hills, and are to be sold by him in Fleet-yard, and by Thomas Brewster at the Three Bibles in Pauls Church-yard, 1652 [i.e. 1653]
Descrizione fisica	1 sheet ([1] p.)
Altri autori (Persone)	MargettsThomas
Soggetti	Broadsides - England - London Great Britain Armed Forces Officers Early works to 1800 Great Britain History Commonwealth and Protectorate, 1649-1660 Early works to 1800
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Dated and signed at end: James's, Westminster January 28. 1652. Thom. Margetts. Reproduction of the original in the British Library.
Sommario/riassunto	eebo-0018

3. Record Nr.	UNINA9910683999003321
Autore	Fuster, Joan <1922-1992>
Titolo	Obra completa de Joan Fuster / edició, preliminars i apèndixs d'Antoni Furió i de Josep Palàcios
Pubbl/distr/stampa	Barcelona, : Ed. 62, 2022
ISBN	978-84-297-5155-0
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Collana	Clàssics catalans
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Collocazione	849.9854 FUS 5 (1;4) 849.9854 FUS 5 (1;5)
Lingua di pubblicazione	Catalano
Formato	Materiale a stampa
Livello bibliografico	Monografia
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