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Titolo	Reasoning, communication and connections in mathematics [[electronic resource] ] : yearbook 2012 : Association of Mathematics Educators // editors, Berinderjeet Kaur, Toh Tin Lam
Pubbl/distr/stampa	Singapore, : World Scientific Pub. Co., 2012
ISBN	981-4405-43-4
Descrizione fisica	1 online resource (335 p.)
Altri autori (Persone)	KaurBerinderjeet <1955-> TohTin Lam
Disciplina	382.01/5195 510.07
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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.
Nota di contenuto	Contents; Chapter 1 Reasoning, Communication and Connections in Mathematics: An Introduction Berinderjeet KAUR TOH Tin Lam; 1 Introduction; 2 Mathematical Tasks; 3 Classroom Discourse; 4 Connections Within and Beyond Mathematics; 4 Some Concluding Thoughts; References; Chapter 2 The Epistemic Framing of Mathematical Tasks in Secondary Three Mathematics Lessons in Singapore Ridzuan Abdul RAHIM David HOGAN Melvin CHAN; 1 Introduction; 2 Epistemic Framing 1: Knowledge Focus; 3 Epistemic Framing 2: Domain-Specific Knowledge Practices 4 Tying the Epistemic Knot: Structural Equation Models of Knowledge Focus and Knowledge Practices5 Conclusion; Acknowledgement; References; Chapter 3 Modifying Textbook Exercises to Incorporate Reasoning and Communication into the Primary Mathematics Classroom Denisse R. THOMPSON; 1 Introduction; 2 Reasoning and Communication as Essential Mathematical Processes; 3 Strategies for Modifying Textbook Exercises; 3.1 Reframe a basic problem by including one or more conditions; 3.2 Use relationships to find patterns or predict other results; 3.3 Generate conjectures for students to

investigate

3.4 Encourage students to solve a problem in multiple ways  
3.5 Evaluate student solutions; 3.6 Write a question appropriate for a given answer;  
3.7 Connect procedural and conceptual knowledge; 4 Conclusion;  
References; Chapter 4 Some "What" Strategies that Advance Reasoning and Communication in Primary Mathematics Classrooms Berinderjeet KAUR; 1 Mathematical Tasks; 2 "What..." Strategies; 2.1 What number makes sense?; 2.2 "What's wrong?"; 2.3 "What if?"; 2.4 "What's the question if you know the answer?"; 3 A Primary One Mathematics Lesson; 3.1 Objectives of the tasks  
3.2 How the tasks were enacted  
3.3 Teacher's self-evaluation of her lesson; 4 Conclusion; Acknowledgement; References; Chapter 5 Reasoning and Justification in the Secondary Mathematics Classroom Denisse R. THOMPSON; 1 Introduction; 2 Importance of the Textbook in Providing Opportunities for Reasoning; 3 Aspects of Reasoning to Incorporate into the Curriculum; 3.1 Finding counter examples; 3.2 Investigating conjectures; 3.3 Making conjectures; 3.4 Developing arguments; 3.5 Evaluating arguments; 3.6 Correcting mistakes in reasoning; 4 Including Reasoning in Assessment; 5 Conclusion; References  
Chapter 6 LOGO Project-Based Mathematics Learning for Communication, Reasoning and Connection Hee-Chan LEW In-Ok JANG  
1 Introduction; 2 Characteristics of LOGO; 3 LOGO Project-Based Learning for the Elementary Students; 4 Some Results of the Pilot Lesson Study; 4.1 Planning and implementing strategies; Analogy; Generalization; Critical thinking; Progressive thinking; 4. 2 Debugging strategies; Visualization; Empirical inference; 5 Conclusion; References; Appendix A: Tasks Used in LOGO Project- Based Learning; Appendix B: One Final work of LOGO Project-Based Mathematics Learning  
Chapter 7 Reasoning, Communication and Connections in A-Level Mathematics TOH Tin Lam

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Sommario/riassunto

This fourth volume in the series of yearbooks by the Association of Mathematics Educators in Singapore entitled Reasoning, Communication and Connections in Mathematics is unique in that it focuses on a single theme in mathematics education. The objective is to encourage teachers and researchers to advance reasoning, communication and connections in mathematics classrooms. Several renowned international researchers in the field have published their work in this volume. The fifteen chapters of the book illustrate evidence-based practices that school teachers and researchers can experiment with i

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2. Record Nr.	UNISA996206525203316
Titolo	Annuaire statistique de la France // République française, Ministère des finances et des affaires économiques, Institut national de la statistique et des études économiques pour la métropole et la France d'outre-mer
Pubbl/distr/stampa	Paris, : L'Institut, 1953-
ISSN	2419-6630
Descrizione fisica	1 online resource
Disciplina	314.4
Soggetti	national accounts economic conditions social situation consumption demography domestic policy working population research and development household income statistics agricultural situation trading operation industrial structures France comptabilité nationale condition économique situation sociale consommation démographie politique intérieure population active recherche et développement revenu des ménages statistique situation de l'agriculture échange commercial structure industrielle STATISTICS

FRANCE  
Reference sources.  
Statistics.  
France Statistics  
France

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Lingua di pubblicazione

Francese

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Formato

Materiale a stampa

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Livello bibliografico

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