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Nota di contenuto	How to identify and foster mathematically gifted children in times of the pandemic, experiences from the PriSMa-project: Kinder der Primarstufe und Sekundarstufe auf verschiedenen Wegen zur Mathematik Problem Posing as a Central Criterion for the Support of Mathematically Highly Gifted Teenagers within the Program Pri(S)Ma Teaching problem solving – a problem-thread from the Pósa method. on excellence classes, title TBA Choosing problems by association Differences and similarities between Open-start and Open-end mathematical tasks. (TBC) An enrichment course based on challenging problems – effects on students and teachers Three articles by the WURM-Project: Workshops on Using Rich Mathematical Concepts for Educational Outreach and Advancement A story of multiple-year problem posing of a single problem for mathematics competition Problem-posing processes: A comparison of structured and unstructured situations Mathematics as a craft or how to train dimensions of problem variation: A illustrative William-Stern-Society – style example.

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## Sommario/riassunto

Mathematics and mathematics education research have an ongoing interest in improving our understanding of mathematical problem posing and solving. This book focuses on problem posing in a context of mathematical giftedness. The contributions particularly address where such problems come from, what properties they should have, and which differences between school mathematics and more complex kinds of mathematics exist. These perspectives are examined internationally, allowing for cross-national insights. The Editors Deniz Sarikaya is a guest researcher at the University of Copenhagen and the Technical University of Denmark (funded by the DAAD) and postdoctoral researcher at the Vrije Universiteit Brussel (within an FWOproject). Lukas Baumanns did his doctorate on problem posing at the University of Cologne. Currently he works at the Chair of Special Education in Mathematics and focuses on early mathematics learning and mathematical difficulties. Karl Heuer is an assistant professor in Discrete Mathematics at the Technical University of Denmark. He mainly works in Graph Theory, but is also active in enrichment programmes. He obtained his PhD in mathematics at the University of Hamburg. Benjamin Rott is a professor of Mathematics Education at the University of Cologne. He obtained a PhD at the University of Hannover, worked at the University of Education Freiburg and the University of Duisburg-Essen. His research interests include problem posing/solving, giftedness, and beliefs. .