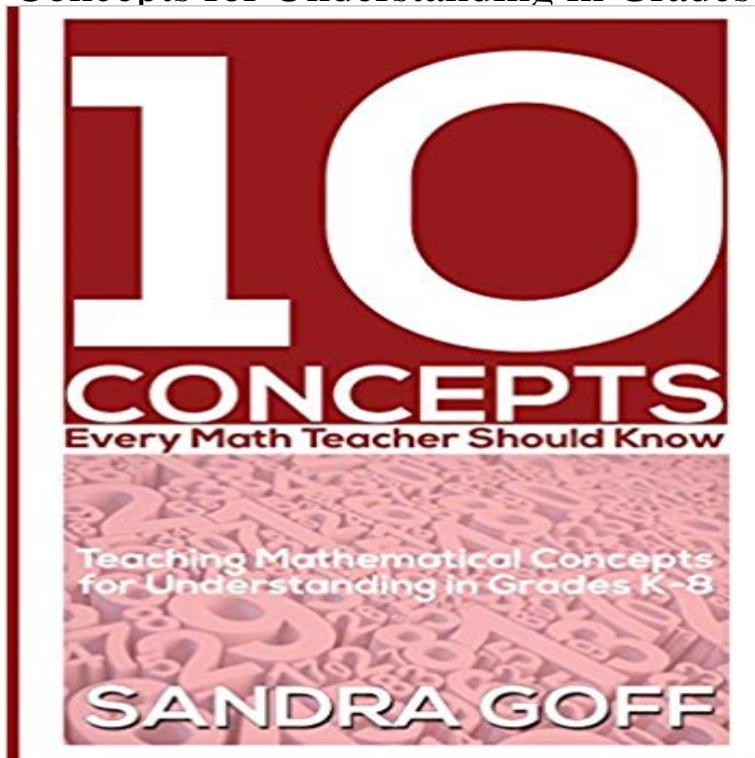


10 Concepts Every Math Teacher Should Know: Teaching Mathematical Concepts for Understanding in Grades K-8



As we strive to create a seamless and meaningful mathematics experience for our students, it is important for us to have a strong understanding of what conceptual knowledge looks like in the classroom. This understanding is essential to planning engaging lessons, delivering effective classroom instruction and developing valid assessments that are a balanced combination of factual knowledge, procedural fluency and conceptual knowledge. 10 Concepts Every Math Teacher Should Know demonstrates the following: -It is important for teachers to have a clear understanding of how concepts evolve across grade levels. -Understanding how these concepts evolve will help teachers design experiences for students that deepen their understanding of mathematics. -Understanding how these concepts work will build our students confidence in their ability to be problem solvers. -It is critical for teachers to use the same conceptual language across grade levels to increase our students chances of success.

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