



Teaching Student-Centered Mathematics: Grades K-3

John A. Van de Walle, Lou Ann H. Lovin

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Volume One of the Van de Walle Professional Mathematics Series provides practical guidance along with proven strategies for practicing teachers of kindergarten through grade 3. In addition to many of the popular topics and features from John Van de Walle's market-leading textbook, *Elementary and Middle School Mathematics*, this volume offers brand-new material specifically written for the early grades. The expanded grade-specific coverage and unique page design allow readers to quickly and easily locate information to implement in the classroom. Nearly 200 grade-appropriate activities are included. The student-centered, problem-based approach will help students develop real understanding and confidence in mathematics, making this series indispensable for teachers!

- **Big Ideas** provide clear and succinct explanations of the most critical concepts in K—3 mathematics.
- **Problem-based activities** in every chapter provide numerous engaging tasks to help students develop understanding.
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- A **Companion Website** (<http://www.ablongman.com/vandewalleseries/>) provides access to more than 50 **reproducible blackline masters** to utilize in the classroom.
- The **NCTM Content Standards** are provided for teachers' reference in the **appendix**.

Collect all three volumes in the Van de Walle Professional Mathematics Series! Each volume provides in-depth coverage at specific grade levels.

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We describe a mathematics project involving fifth grade students and the area of classrooms, which incorporates measurement, graphing, computation, data analysis, and presentation of results. <http://mathforum.org/trscavo/statistics.html> Grade Level(s): 3-5. Estimation Station. Lesson Plan. Students use this hands-on math center to explore estimation and counting by tens with Goldfish. <http://www.atozteacherstuff.com/pages/299.shtml> Grade Level(s): K, 1-2, 3-5. Interactive Assessment Worksheets. Lesson Plan. Award-winning mathematical word problems with different solution strategies. <http://www> The students construct a firm foundation for fraction concepts by experiencing and discussing activities that promote the following understandings Adapted from Van de Walle, John A., LouAnn H. Lovin, Teaching Student-Centered Mathematics, Grades K-3 (p. 251). Published by Allyn and Bacon, Boston, MA. Copyright © 2006 by Pearson Education. References Teaching Student-Centered Mathematics Grades K-3, John A. Van de Walle, LouAnn H. Lovin, Pearson Publishing, 2006 Teaching. Published by Joy Goodwin Modified over 4 years ago. Embed Presentation on theme: "Open Number Line. References Teaching Student-Centered Mathematics Grades K-3, John A. Van de Walle, LouAnn H. Lovin, Pearson Publishing, 2006 Teaching." Presentation transcript: 1 Open Number Line.

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- Fourteen of the twenty-one children used their fingers to count all or count on as they solved such problems as $6 + 3 = \underline{\quad}$ and $8 + 9 = \underline{\quad}$.
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