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| Autore                  | Spangler David B.   |
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| Descrizione fisica      | 1 online resource (xv, 204 pages) : illustrations   |
| Collana                 | Gale eBooks   |
| Disciplina              | 372.7/2   |
| Soggetti                | Arithmetic - Study and teaching (Elementary) - Activity programs<br>Mathematics - Study and teaching (Elementary) - Activity programs   |
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| Formato                 | Materiale a stampa  |
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| Nota di contenuto       | ""Cover""; ""Contents""; ""Preface""; ""Acknowledgments""; ""About the Author""; ""Chapter 1 - A Look at the Academic Research: Intervention in the Mathematics Classroom""; ""Introduction to the Academic Research""; ""Equity and Quality in the Math Classroom""; ""Student Dispositions""; ""Activating Prior Knowledge""; ""Representations""; ""Estimation and Mental Math""; ""Alternative Algorithms""; ""Differentiating Instruction""; ""Instructional Games""; ""Response to Intervention""; ""Questions for Teacher Reflection""; ""Chapter 2 - Big Ideas in Computation and Problem Solving""<br>""The Base-Ten Place-Value System and Multidigit Computation""<br>Actions and Operations""; ""Questions for Teacher Reflection""; ""Unit 1 - Addition of Whole Numbers""; ""Diagnostic Test""; ""Item Analysis for Diagnostic Test""; ""Error Patterns & Intervention Activities""; ""Practice Exercises""; ""Questions for Teacher Reflection""; ""Unit 2 - Subtraction of Whole Numbers""; ""Diagnostic Test""; ""Item Analysis for Diagnostic Test""; ""Error Patterns & Intervention Activities""; ""Practice Exercises""; ""Questions for Teacher Reflection""; ""Unit 3 - Multiplication of Whole Numbers""<br>""Diagnostic Test""""Item Analysis for Diagnostic Test""; ""Error Patterns & Intervention Activities""; ""Practice Exercises""; ""Questions for Teacher Reflection""; ""Unit 4 - Division of Whole Numbers""; |

""Diagnostic Test""; ""Item Analysis for Diagnostic Test""; ""Error Patterns & Intervention Activities""; ""Practice Exercises""; ""Questions for Teacher Reflection""; ""Resources for Estimation, Instructional Games, and Follow-Up Activities (Blacklines)""; ""Resources for Addition""; ""Follow-Up Activity: Next Number, Please""; ""Roller Coaster Rounding""

""Using Front-End Estimation to Check for Reasonableness: Addition"""; ""Instructional Game: Keeping Score in Bowling""; ""Resources for Subtraction""; ""Using Front-End Estimation to Check for Reasonableness: Subtraction""; ""Instructional Game: Balance the +/a€? Number Sentence!""; ""Follow-Up Activity: Editor Error Search (+/a€?)""; ""Instructional Game: Target Math (+/a€?)""; ""Resources for Multiplication""; ""Touching on the Facts with Your Fingers""; ""Using Front-End Estimation to Check for Reasonableness: Multiplication""; ""Instructional Game: How Close Can You Get?""; ""Tables for Addition/Subtraction""

#### Sommario/riassunto

Through error analysis and targeted instruction, you can uncover students' misconceptions in addition, subtraction, multiplication, and division and help students understand and correct their own mistakes!