

## Volume 13, August 2007–May 2008

### AUTHOR INDEX

- Adams, Paul E., Germaine L. Taggart, Ervin Eltze, John Heinrichs, James Hohman, and Karen Hickman, Fermi Questions. Oct. 2007, 164–67.
- Alibali, Martha W., Eric J. Knuth, Shanta Hattikudur, Nicole M. McNeil, and Ana C. Stephens, The Importance of Equal Sign Understanding in the Middle Grades. May 2008, 514–19.
- Allsopp, David, and Bradley S. Witzel, Dynamic Concrete Instruction in an Inclusive Classroom. Nov. 2007, 244–48.
- Anhalt, Cynthia O., Matthew Ondrus, and Virginia Horak, Issues of Language: Teacher Insights from Mathematics Lessons in Chinese. Aug. 2007, 18–23.
- Armer, Nathan, John K. Lannin, Brian E. Townsend, Savanna Green, and Jessica Schneider, Developing Meaning for Algebraic Symbols: Possibilities and Pitfalls. Apr. 2008, 478–83.
- Bannister, Vanessa R. Pitts, and Jesse L. M. Wilkins, “I Can’t Write All the Way to 100”: Recognizing Students’ Emerging Algebraic Strategies. Dec./Jan. 2007–2008, 278–82.
- Barlow, Angela T., and Jill Mizell Drake, Division by a Fraction: Assessing Understanding through Problem Writing. Feb. 2008, 326–32.
- Beasley, Mary Lou, and Andy Reeves, Babysitting Blues. Apr. 2008, 468–70.
- , How Expensive Is That Stuff? Feb. 2008, 340–42.
- , In the Wink of an Eye. Mar. 2008, 398–99.
- , Making a Deal with Santa’s Helper. Dec./Jan. 2007–2008, 286–87.
- , Sudorku. Aug. 2007, 30–31, 36.
- , Sweet Protection. Oct. 2007, 156–58.
- , Whiz Kid. Sept. 2007, 92–94.
- , Will He Ever Get There? May 2008, 532–34.
- Beck, Shari A., Vanessa E. Huse, and Brenda R. Reed, How Does Your Mathematical Garden Grow? Sept. 2007, 68–76.
- Beckmann, Charlene E., and Jessica A. Roy, Batty Functions: Exploring Quadratic Functions through Children’s Literature. Aug. 2007, 52–64.
- Beigie, Darin, Integrating Content to Create Problem-Solving Opportunities. Feb. 2008, 352–60.
- Bellomo, Carryn, A Treasure Hunt: Reflecting, Translating, and Rotating Points on a Coordinate Map. Dec./Jan. 2007–2008, 316–20.
- Benson, Sharon L. D., and Jennifer B. Chauvot, Card Sorts, State Tests, and Meaningful Mathematics. Mar. 2008, 390–97.
- Brahier, Daniel J., and Lauren R. Hoffman, Improving the Planning and Teaching of Mathematics by Reflecting on Research. Mar. 2008, 412–17.
- Byrne, Jesse, and Charlotte Simmons, Gearing Up for Mathematics. Nov. 2007, 220–23.
- Catania, Christy L., Margaret S. Smith, and Amy F. Hillen, Using Pattern Tasks to Develop Mathematical Understandings and Set Classroom Norms. Aug. 2007, 38–44.
- Chae, Nabin, Kara Louise Imm, and Despina A. Stylianou, Student Representations at the Center: Promoting Classroom Equity. Apr. 2008, 458–63.
- Chauvot, Jennifer B., and Sharon L. D. Benson, Card Sorts, State Tests, and Meaningful Mathematics. Mar. 2008, 390–97.
- Clarke, Doug M., Anne Roche, and Annie Mitchell, Ten Practical Tips for Making Fractions Come Alive and Make Sense. Mar. 2008, 372–80.
- Cleaves, Wendy Pelletier, Promoting Mathematics Accessibility through Multiple Representations Jigsaws. Apr. 2008, 446–52.
- Coates, Grace Dávila, Middle School Girls in the Mathematics Classroom. Nov. 2007, 234–36.
- Coates, Grace Dávila, and Sherri Martini, A Push for Number Sense Makes Good Sense. Sept. 2007, 88–90.
- Cramer, Kathleen, Terry Wyberg, and Seth Leavitt, The Role of Representations in Fraction Addition and Subtraction. Apr. 2008, 490–96.
- DelRisco, Gilda, Suzanne L. Reynolds, Michael Mahan, and Barbara Lee, Building for the Future: The Mathematics of Architecture and Design. Mar. 2008, 382–89.
- Drake, Jill Mizell, and Angela T. Barlow, Division by a Fraction: Assessing Understanding through Problem Writing. Feb. 2008, 326–32.
- Ellis, Mark W., and David Pagni, Exploring Segment Lengths on the Geoboard. May 2008, 520–25.
- Eltze, Ervin, Germaine L. Taggart, Paul E. Adams, John Heinrichs, James Hohman, and Karen Hickman, Fermi Questions. Oct. 2007, 164–67.
- Fennell, Francis (Skip), Focal Points—What’s Next for You? Aug. 2007, 4.
- Fernández, Maria L., and Robert C. Schoen, Teaching and Learning Mathematics through Hurricane Tracking, May 2008, 500–512.
- Flores, Alfinio, The Finger and the Moon. Oct. 2007, 132–33.
- Foss, Susan M., Literature in the Mathematics Classroom: Introducing *The Inch Boy* to Middle School Students. May 2008, 538–42.
- Fuentes, Sarah Quebec, Patricia Garruto, and Fran Lockard, What If We Were Built Like the Dinosaurs? Nov. 2007, 249–56.
- Garruto, Patricia, Sarah Quebec Fuentes, and Fran Lockard, What If We Were Built Like the Dinosaurs? Nov. 2007, 249–56.
- Gray, Elizabeth D., and Denise Tullier-Holly, Connecting Measurement and Architecture: Building an Inflatable. Oct. 2007, 144–49.
- Green, Savanna, John K. Lannin, Brian E. Townsend, Nathan Armer, and Jessica Schneider, Developing Meaning for Algebraic Symbols: Possibilities and Pitfalls. Apr. 2008, 478–83.
- Gregg, Diana Underwood, and Jeff Gregg, A Context for Integer Computation. Aug. 2007, 46–50.
- Gregg, Jeff, and Diana Underwood Gregg, A Context for Integer Computation. Aug. 2007, 46–50.

- Groth, Randall E., Reflections on a Research-Inspired Lesson about the Fairness of Dice. Nov. 2007, 237–43.
- Hammett, John E., III, Turning the Mathematics Classroom into an Intellectual Playground through Poetry. Nov. 2007, 195–98.
- Harrell, Gregory K., Integrating Mathematics and Social Issues. Dec./Jan. 2007–2008, 270–76.
- Hattikudur, Shanta, Eric J. Knuth, Martha W. Alibali, Nicole M. McNeil, and Ana C. Stephens, The Importance of Equal Sign Understanding in the Middle Grades. May 2008, 514–19.
- Heinrichs, John, Germaine L. Taggart, Paul E. Adams, Ervin Eltze, James Hohman, and Karen Hickman, Fermi Questions. Oct. 2007, 164–67.
- Hickman, Karen, Germaine L. Taggart, Paul E. Adams, Ervin Eltze, John Heinrichs, and James Hohman, Fermi Questions. Oct. 2007, 164–67.
- Hillen, Amy F., and Margaret S. Smith, Is Silence Golden? What Silent Participants Might Be Learning in Discourse-Rich Classrooms. Dec./Jan. 2007–2008, 305–11.
- Hillen, Amy F., Margaret S. Smith, and Christy L. Catania, Using Pattern Tasks to Develop Mathematical Understandings and Set Classroom Norms. Aug. 2007, 38–44.
- Hohman, James, Germaine L. Taggart, Paul E. Adams, Ervin Eltze, John Heinrichs, and Karen Hickman, Fermi Questions. Oct. 2007, 164–67.
- Hoffman, Lauren R., and Daniel J. Brahier, Improving the Planning and Teaching of Mathematics by Reflecting on Research. Mar. 2008, 412–17.
- Horak, Virginia, Cynthia O. Anhalt, and Matthew Ondrus, Issues of Language: Teacher Insights from Mathematics Lessons in Chinese. Aug. 2007, 18–23.
- Huse, Vanessa E., Shari A. Beck, and Brenda R. Reed, How Does Your Mathematical Garden Grow? Sept. 2007, 68–76.
- Imm, Kara Louise, Despina A. Stylianou, and Nabin Chae, Student Representations at the Center: Promoting Classroom Equity. Apr. 2008, 458–63.
- Jinyan, Zhou, and David Yopp, A Yin and Yang Approach to Area and Irregular Shapes. Dec./Jan. 2007–2008, 296–97.
- Joram, Elana, and Vicki Oleson, How Fast Do Trees Grow? Using Tables and Graphs to Explore Slope. Dec./Jan. 2007–2008, 260–65.
- Kalman, Richard S., Teaching Algebra without Algebra. Feb. 2008, 334–39.
- Knuth, Eric J., Martha W. Alibali, Shanta Hattikudur, Nicole M. McNeil, and Ana C. Stephens, The Importance of Equal Sign Understanding in the Middle Grades. May 2008, 514–19.
- Kribs-Zaleta, Christopher M., Oranges, Posters, Ribbons, and Lemonade: Concrete Computational Strategies for Dividing Fractions. Apr. 2008, 453–57.
- Kroon, Cindy D., Metric Madness. Oct. 2007, 172–81.
- Lamberg, Teruni de Silva, Student Approaches to Unitizing in Fair-Share Problems. Sept. 2007, 114–16.
- Lannin, John K., Brian E. Townsend, Nathan Armer, Savanna Green, and Jessica Schneider, Developing Meaning for Algebraic Symbols: Possibilities and Pitfalls. Apr. 2008, 478–83.
- Lassak, Marshall B., and Vicki L. Maxwell, An Experiment in Using Portfolios in the Middle School Classroom. Mar. 2008, 404–6.
- Leavitt, Seth, Kathleen Cramer, and Terry Wyberg, The Role of Representations in Fraction Addition and Subtraction. Apr. 2008, 490–96.
- Lee, Barbara, Suzanne L. Reynolds, Michael Mahan, and Gilda DelRisco, Building for the Future: The Mathematics of Architecture and Design. Mar. 2008, 382–89.
- Lee, Kwangho, Margaret L. Niess, and Pejmon Sadri, Variables and Spreadsheets Connect with Real-World Problems. Mar. 2008, 423–31.
- Li, Yeping, What Do Students Need to Learn about Division of Fractions? May 2008, 546–52.
- Lin, Cheng-Yao, Teaching Multiplication Algorithms from Other Cultures. Dec./Jan. 2007–2008, 298–304.
- Lockard, Fran, Sarah Quebec Fuentes, and Patricia Garruto, What If We Were Built Like the Dinosaurs? Nov. 2007, 249–56.
- Mahaffey, Greg, Christopher Saptura, and Jennifer Suh, Masterpieces to Mathematics: Using Art to Teach Fraction, Decimal, and Percent Equivalents. Aug. 2007, 24–28.
- Mahan, Michael, Suzanne L. Reynolds, Barbara Lee, and Gilda DelRisco, Building for the Future: The Mathematics of Architecture and Design. Mar. 2008, 382–89.
- Martinie, Sherri, and Grace Dávila Coates, A Push for Number Sense Makes Good Sense. Sept. 2007, 88–90.
- Maxwell, Vicki L., and Marshall B. Lassak, An Experiment in Using Portfolios in the Middle School Classroom. Mar. 2008, 404–6.
- McHugh, Shelley R.,  $C^2$  = Creative Coordinates. Sept. 2007, 82–87.
- McNeil, Nicole M., Eric J. Knuth, Martha W. Alibali, Shanta Hattikudur, and Ana C. Stephens, The Importance of Equal Sign Understanding in the Middle Grades. May 2008, 514–19.
- Mitchell, Annie, Doug M. Clarke, and Anne Roche, Ten Practical Tips for Making Fractions Come Alive and Make Sense. Mar. 2008, 372–80.
- Mooney, Edward S., Fund Run. Oct. 2007, 159, 163.
- , A Mix of 1, 2, 3, 4, 5, 6. Nov. 2007, 218, 228.
- , Multiples of Four. May 2008, 535–37.
- , Number Golf. Dec./Jan. 2007–2008, 284–85.
- , Pip Seek. Sept. 2007, 101, 100.
- , State Fair. Oct. 2007, 168–71.
- , The Three Bears Cookie Store. Dec./Jan. 2007–2008, 283, 295.
- , A Trillion Dollar Classroom. Aug. 2007, 37, 36.
- , The Two-Digit Game. Mar. 2008, 410–11.
- Napoli, Mary, and Jane Murphy Wilburne, Integrating Literature and Mathematics: A Mysterious Connection. Oct. 2007, 134–39.
- Niess, Margaret L., Pejmon Sadri, and Kwangho Lee, Variables and Spreadsheets Connect with Real-World Problems. Mar. 2008, 423–31.
- Nugent, Patricia M., Lattice Multiplication in a Preservice Classroom. Sept. 2007, 110–13.
- Nurnberger-Haag, Julie, Integers Made Easy: Just Walk It Off. Sept. 2007, 118–21.
- Oleson, Vicki, and Elana Joram, How Fast Do Trees Grow? Using Tables and Graphs to Explore Slope. Dec./Jan. 2007–2008, 260–65.
- Ondrus, Matthew, Cynthia O. Anhalt, and Virginia Horak, Issues of Lan-

- guage: Teacher Insights from Mathematics Lessons in Chinese. Aug. 2007, 18–23.
- Pagni, David L., The Coat Check Problem: A S(t)imulating Lesson. Oct. 2007, 182–87.
- Pagni, David, and Mark W. Ellis, Exploring Segment Lengths on the Geoboard. May 2008, 520–25.
- Ponce, Gregorio A., It's All in the Cards: Adding and Subtracting Integers. Aug. 2007, 10–17.
- Porter, Mary K., and David Rock, Palette of Problems. Apr. 2008, 464–67.
- , Palette of Problems. Aug. 2007, 32–36.
- , Palette of Problems (December). Dec./Jan. 2007–2008, 288–91.
- , Palette of Problems (January). Dec./Jan. 2007–2008, 292–95.
- , Palette of Problems. Feb. 2008, 344–48.
- , Palette of Problems. Mar. 2008, 400–403.
- , Palette of Problems. May 2008, 528–531.
- , Palette of Problems. Nov. 2007, 224–28.
- , Palette of Problems. Oct. 2007, 160–63.
- , Palette of Problems. Sept. 2007, 96–100.
- Reed, Brenda R., Shari A. Beck, and Vanessa E. Huse, How Does Your Mathematical Garden Grow? Sept. 2007, 68–76.
- Reeder, Stacy L., Are We Golden? Investigations with the Golden Ratio. Oct. 2007, 150–55.
- Reeves, Andy, and Mary Lou Beasley, Babysitting Blues. Apr. 2008, 468–70.
- , How Expensive Is That Stuff? Feb. 2008, 340–42.
- , In the Wink of an Eye. Mar. 2008, 398–99.
- , Making a Deal with Santa's Helper. Dec./Jan. 2007–2008, 286–87.
- , Sudorku. Aug. 2007, 30–31, 36.
- , Sweet Protection. Oct. 2007, 156–58.
- , Whiz Kid. Sept. 2007, 92–94.
- , Will He Ever Get There? May 2008, 532–34.
- Reynolds, Suzanne L., Michael Mahan, Barbara Lee, and Gilda DelRisco, Building for the Future: The Mathematics of Architecture and Design. Mar. 2008, 382–89.
- Roberts, Sally K., Not All Manipulatives and Models Are Created Equal. Aug. 2007, 6–9.
- Robbins, Christiana, and Thomasenia Lott Adams, Get "Primed" to the Basic Building Blocks of Numbers. Sept. 2007, 122–27.
- Roche, Anne, Doug M. Clarke, and Annie Mitchell, Ten Practical Tips for Making Fractions Come Alive and Make Sense. Mar. 2008, 372–80.
- Rock, David, and Mary K. Porter, April's Palette of Problems. Apr. 2008, 464–67.
- , Palette of Problems. Aug. 2007, 32–36.
- , Palette of Problems (December). Dec./Jan. 2007–2008, 288–91.
- , Palette of Problems (January). Dec./Jan. 2007–2008, 292–95.
- , Palette of Problems. Feb. 2008, 344–48.
- , Palette of Problems. Mar. 2008, 400–403.
- , Palette of Problems. May 2008, 528–531.
- , Palette of Problems. Nov. 2007, 224–28.
- , Palette of Problems. Oct. 2007, 160–63.
- , Palette of Problems. Sept. 2007, 96–100.
- Rogers, Jason, Chalking Up Success: An Exam-Review Strategy. May 2008, 526–27.
- Roy, Jessica A., and Charlene E. Beckmann, Batty Functions: Exploring Quadratic Functions through Children's Literature. Aug. 2007, 52–64.
- Rubenstein, Rheta N., Focused Strategies for Middle-Grades Mathematics Vocabulary Development. Nov. 2007, 200–207.
- Sadri, Pejmon, Margaret L. Niess, and Kwangho Lee, Variables and Spreadsheets Connect with Real-World Problems. Mar. 2008, 423–31.
- Scaptura, Christopher, Jennifer Suh, and Greg Mahaffey, Masterpieces to Mathematics: Using Art to Teach Fraction, Decimal, and Percent Equivalents. Aug. 2007, 24–28.
- Scaptura, Christopher N., Home Area and History. Feb. 2008, 349–51.
- Scheuermann, Amy, and Delinda van Garderen, Analyzing Students' Use of Graphic Representations: Determining Misconceptions and Error Patterns for Instruction. Apr. 2008, 471–77.
- Schiellack, Jane F., and Cathy Seeley, Implementation of the NCTM's *Curriculum Focal Points*: Concept versus Content. Sept. 2007, 78–80.
- , A Look at the Development of Algebraic Thinking in *Curriculum Focal Points*. Dec./Jan. 2007–2008, 266–69.
- , A Look at the Development of Data Representation and Analysis in *Curriculum Focal Points: A Quest for Coherence*. Nov. 2007, 208–10.
- , A Look at the Development of Ratios, Rates, and Proportionality. Oct. 2007, 140–42.
- Schneider, Jessica, John K. Lannin, Brian E. Townsend, Nathan Armer, and Savanna Green, Developing Meaning for Algebraic Symbols: Possibilities and Pitfalls. Apr. 2008, 478–83.
- Schoen, Robert C., and Maria L. Fernández, Teaching and Learning Mathematics through Hurricane Tracking, May 2008, 500–512.
- Seeley, Cathy, and Jane F. Schiellack, Implementation of the NCTM's *Curriculum Focal Points*: Concept versus Content. Sept. 2007, 78–80.
- , A Look at the Development of Algebraic Thinking in *Curriculum Focal Points*. Dec./Jan. 2007–2008, 266–69.
- , A Look at the Development of Data Representation and Analysis in *Curriculum Focal Points: A Quest for Coherence*. Nov. 2007, 208–10.
- , A Look at the Development of Ratios, Rates, and Proportionality. Oct. 2007, 140–42.
- Sherard, Hamp. Close Quarters. Nov. 2007, 230–32.
- Simmons, Charlotte, and Jesse Byrne, Gearing Up for Mathematics. Nov. 2007, 220–23.
- Smith, Margaret S., and Amy F. Hillen, Is Silence Golden? What Silent Participants Might Be Learning in Discourse-Rich Classrooms. Dec./Jan. 2007–2008, 305–11.
- Smith, Margaret S., Amy F. Hillen, and Christy L. Catania, Using Pattern Tasks to Develop Mathematical Understandings and Set Classroom Norms. Aug. 2007, 38–44.
- Stallings, L. Lynn, See a Different Mathematics. Nov. 2007, 212–17.
- Stylianou, Despina A., Kara Louise Imm, and Nabin Chae, Student Representations at the Center: Promoting Classroom Equity. Apr. 2008, 458–63.
- Steele, Diana F., Understanding Students' Problem-Solving Knowledge through Their Writing. Sept. 2007, 102–9.



- Stephens, Ana C., Eric J. Knuth, Martha W. Alibali, Shanta Hattikudur, and Nicole M. McNeil, The Importance of Equal Sign Understanding in the Middle Grades. May 2008, 514–19.
- Suh, Jennifer, Christopher Saptura, and Greg Mahaffey, Masterpieces to Mathematics: Using Art to Teach Fraction, Decimal, and Percent Equivalents. Aug. 2007, 24–28.
- Taggart, Germaine L., Paul E. Adams, Ervin Eltze, John Heinrichs, James Hohman, and Karen Hickman, Fermi Questions. Oct. 2007, 164–67.
- Tarlow, Lynn D., Sense-able Combinations: Students' Use of Personal Representations. Apr. 2008, 484–89.
- Townsend, Brian E., John K. Lannin, Nathan Armer, Savanna Green, and Jessica Schneider, Developing Meaning for Algebraic Symbols: Possibilities and Pitfalls. Apr. 2008, 478–83.
- Tripathi, Preeti N., Developing Mathematical Understanding through Multiple Representations. Apr. 2008, 438–45.
- Tullier-Holly, Denise, and Elizabeth D. Gray, Connecting Measurement and Architecture: Building an Inflatable. Oct. 2007, 144–49.
- Van Garderen, Delinda, and Amy Scheuermann, Analyzing Students' Use of Graphic Representations: Determining Misconceptions and Error Patterns for Instruction. Apr. 2008, 471–77.
- Westegaard, Susanne K., Using Quilt Blocks to Construct Understanding. Feb. 2008, 361–60.
- Wilburne, Jane Murphy, and Mary Napoli, Integrating Literature and Mathematics: A Mysterious Connection. Oct. 2007, 134–39.
- Wilkins, Jesse L. M., and Vanessa R. Pitts Bannister, "I Can't Write All the Way to 100": Recognizing Students' Emerging Algebraic Strategies. Dec./Jan. 2007–2008, 278–82.
- Witzel, Bradley S., and David Allsopp, Dynamic Concrete Instruction in an Inclusive Classroom. Nov. 2007, 244–48.
- Wyberg, Terry, Kathleen Cramer, and Seth Leavitt, The Role of Representations in Fraction Addition and Subtraction. Apr. 2008, 490–96.
- Yopp, David, and Zhou Jinyan, A Yin and Yang Approach to Area and Irregular Shapes. Dec./Jan. 2007–2008, 296–97.
- You, Zhixia, Investigating Students' Thinking about Functional Relationships. Dec./Jan. 2007–2008, 312–15.
- Zambo, Ron, Percents Can Make Sense. Mar. 2008, 418–22.

## CLASSIFIED INDEX

### Algebra/Algebraic Thinking

- Batty Functions: Exploring Quadratic Functions through Children's Literature. Aug. 2007, 52–64.
- Card Sorts, State Tests, and Meaningful Mathematics. Mar. 2008, 390–97.
- $C^2$  = Creative Coordinates. Sept. 2007, 82–87.
- Exploring Segment Lengths on the Geoboard. May 2008, 520–25.
- Fermi Questions. Oct. 2007, 164–67.
- Gearing Up for Mathematics. Nov. 2007, 220–23.
- How Does Your Mathematical Garden Grow? Sept. 2007, 68–76.
- How Fast Do Trees Grow? Using Tables and Graphs to Explore Slope. Dec./Jan. 2007–2008, 260–65.
- "I Can't Write All the Way to 100": Recognizing Students' Emerging Algebraic Strategies. Dec./Jan. 2007–2008, 278–82.
- The Importance of Equal Sign Understanding in the Middle Grades. May 2008, 514–19.
- It's All in the Cards: Adding and Subtracting Integers. Aug. 2007, 10–17.
- Lattice Multiplication in a Preservice Classroom. Sept. 2007, 110–13.
- Promoting Mathematics Accessibility through Multiple Representations Jigsaws. Apr. 2008, 446–52.
- See a Different Mathematics. Nov. 2007, 212–17.
- Teaching Algebra without Algebra. Feb. 2008, 334–39.
- Teaching and Learning Mathematics through Hurricane Tracking. May 2008, 500–512.
- Understanding Students' Problem-Solving Knowledge through Their Writing. Sept. 2007, 102–9.
- Using Pattern Tasks to Develop Mathematical Understandings and Set Classroom Norms. Aug. 2007, 38–44.

### Assessment

- Analyzing Students' Use of Graphic Representations: Determining Misconceptions and Error Patterns for Instruction. Apr. 2008, 471–77.
- Card Sorts, State Tests, and Meaningful Mathematics. Mar. 2008, 390–97.
- Division by a Fraction: Assessing Understanding through Problem Writing. Feb. 2008, 326–32.
- An Experiment in Using Portfolios in the Middle School Classroom. Mar. 2008, 404–6.
- Ten Practical Tips for Making Fractions Come Alive and Make Sense. Mar. 2008, 372–80.

### Communication

- Focused Strategies for Middle-Grades Mathematics Vocabulary Development. Nov. 2007, 200–207.
- Middle School Girls in the Mathematics Classroom. Nov. 2007, 234–36.
- A Push for Number Sense Makes Good Sense. Sept. 2007, 88–90.
- Turning the Mathematics Classroom into an Intellectual Playground through Poetry. Nov. 2007, 195–98.

### Computation/Arithmetic

- A Context for Integer Computation. Aug. 2007, 46–50.
- The Finger and the Moon. Oct. 2007, 132–33.
- Oranges, Posters, Ribbons, and Lemonade: Concrete Computational Strategies for Dividing Fractions. Apr. 2008, 453–57.
- Student Approaches to Unitizing in Fair-Share Problems. Sept. 2007, 114–16.

### Connections/Applications

- Building for the Future: The Mathematics of Architecture and Design. Mar. 2008, 382–89.
- Integrating Mathematics and Social Issues. Dec./Jan. 2007–2008, 270–76.
- Connecting Measurement and Architecture: Building an Inflatable. Oct. 2007, 144–49.
- Gearing Up for Mathematics. Nov. 2007, 220–23.
- Integers Made Easy: Just Walk It Off. Sept. 2007, 118–21.
- Investigations with the Golden Ratio. Oct. 2007, 150–55.
- Literature in the Mathematics Classroom: Introducing *The Inch Boy* to Middle School Students. May 2008, 538–42.

Masterpieces to Mathematics: Using Art to Teach Fraction, Decimal, and Percent Equivalents. Aug. 2007, 24–28.  
 Multiples of Four. May 2008, 535–37.  
 Number Golf. Dec./Jan. 2007–2008, 284–85.  
 State Fair. Oct. 2007, 168–71.  
 Teaching and Learning Mathematics through Hurricane Tracking, May 2008, 500–512.  
 Turning the Mathematics Classroom into an Intellectual Playground through Poetry. Nov. 2007, 195–98.  
 The Two-Digit Game. Mar. 2008, 410–11.  
 Using Quilt Blocks to Construct Understanding. Feb. 2008, 361–60.

### Curriculum

Focal Points—What's Next for You? Aug. 2007, 4.  
 Implementation of the NCTM's *Curriculum Focal Points*: Concept versus Content. Sept. 2007, 78–80.  
 The Importance of Equal Sign Understanding in the Middle Grades. May 2008, 514–19.  
 Improving the Planning and Teaching of Mathematics by Reflecting on Research. Mar. 2008, 412–17.  
 A Look at the Development of Algebraic Thinking in *Curriculum Focal Points*. Dec./Jan. 2007–2008, 266–69.  
 A Look at the Development of Data Representation and Analysis in *Curriculum Focal Points: A Quest for Coherence*. Nov. 2007, 208–10.  
 A Look at the Development of Ratios, Rates, and Proportionality. Oct. 2007, 140–42.  
 What Do Students Need to Learn about Division of Fractions? May 2008, 546–52.

### Discrete Mathematics

Sense-able Combinatorics: Students' Use of Personal Representations. Apr. 2008, 484–89.

### Enrichment/Recreational Mathematics

Chalking Up Success: An Exam-Review Strategy. May 2008, 526–27.  
 Gearing Up for Mathematics. Nov. 2007, 220–23.  
 Metric Madness. Oct. 2007, 172–81.  
 Turning the Mathematics Classroom into an Intellectual Playground through Poetry. Nov. 2007, 195–98.

### Equity and Diversity

Dynamic Concrete Instruction in an Inclusive Classroom. Nov. 2007, 244–48.  
 Issues of Language: Teacher Insights from Mathematics Lessons in Chinese. Aug. 2007, 18–23.  
 Student Representations at the Center: Promoting Classroom Equity. Apr. 2008, 458–63.

### Estimation/Approximation

(See *Number Sense*)

### Exceptional Student

Home Area and History. Feb. 2008, 349–51.

### Function

Batty Functions: Exploring Quadratic Functions through Children's Literature. Aug. 2007, 52–64.

### Geometry

(See also *Measurement*)

Building for the Future: The Mathematics of Architecture and Design. Mar. 2008, 382–89.  
 Exploring Segment Lengths on the Geoboard. May 2008, 520–25.  
 Home Area and History. Feb. 2008, 349–51.  
 How Does Your Mathematical Garden Grow? Sept. 2007, 68–76.  
 Integrating Content to Create Problem-Solving Opportunities. Feb. 2008, 352–60.  
 Integrating Literature and Mathematics: A Mysterious Connection. Oct. 2007, 134–39.  
 Not All Manipulatives and Models Are Created Equal. Aug. 2007, 6–9.  
 See a Different Mathematics. Nov. 2007, 212–17.  
 Sudorku. Aug. 2007, 30–31, 36.  
 Understanding Students' Problem-Solving Knowledge through Their Writing. Sept. 2007, 102–9.  
 Using Pattern Tasks to Develop Mathematical Understandings and Set Classroom Norms. Aug. 2007, 38–44.  
 Using Quilt Blocks to Construct Understanding. Feb. 2008, 361–60.  
 A Yin and Yang Approach to Area and Irregular Shapes. Dec./Jan. 2007–2008, 296–97.

### History

Get "Primed" to the Basic Building Blocks of Numbers. Sept. 2007, 122–27.  
 Teaching Multiplication Algorithms from Other Cultures. Dec./Jan. 2007–2008, 298–304.

### Humor

Babysitting Blues. Apr. 2008, 468–70.  
 Close Quarters. Nov. 2007, 230–32.  
 How Expensive Is That Stuff? Feb. 2008, 340–42.  
 In the Wink of an Eye. Mar. 2008, 398–99.  
 Making a Deal with Santa's Helper. Dec./Jan. 2007–2008, 286–87.  
 Sudorku. Aug. 2007, 30–31, 36.  
 Sweet Protection. Oct. 2007, 156–58.  
 Whiz Kid. Sept. 2007, 92–94.  
 Will He Ever Get There? May 2008, 532–34.

### International Perspective

Improving the Planning and Teaching of Mathematics by Reflecting on Research. Mar. 2008, 412–17.  
 What Do Students Need to Learn about Division of Fractions? May 2008, 546–52.

### Measurement

Babysitting Blues. Apr. 2008, 468–70.  
 Building for the Future: The Mathematics of Architecture and Design. Mar. 2008, 382–89.  
 Card Sorts, State Tests, and Meaningful Mathematics. Mar. 2008, 390–97.  
 Close Quarters. Nov. 2007, 230–32.  
 Exploring Segment Lengths on the Geoboard. May 2008, 520–25.  
 Home Area and History. Feb. 2008, 349–51.  
 How Does Your Mathematical Garden Grow? Sept. 2007, 68–76.  
 How Expensive Is That Stuff? Feb. 2008, 340–42.  
 How Fast Do Trees Grow? Using Tables and Graphs to Explore Slope. Dec./Jan. 2007–2008, 260–65.  
 In the Wink of an Eye. Mar. 2008, 398–99.  
 Investigations with the Golden Ratio. Oct. 2007, 150–55.  
 Making a Deal with Santa's Helper. Dec./Jan. 2007–2008, 286–87.  
 Metric Madness. Oct. 2007, 172–81.  
 Sweet Protection. Oct. 2007, 156–58.  
 What If We Were Built Like the Dinosaurs? Nov. 2007, 249–56.

Whiz Kid. Sept. 2007, 92–94.  
 Will He Ever Get There? May 2008, 532–34.  
 A Yin and Yang Approach to Area and Irregular Shapes. Dec./Jan. 2007–2008, 296–97.

## Modeling

Connecting Measurement and Architecture: Building an Inflatable. Oct. 2007, 144–49.

## Number Sense/Number Concepts

Division by a Fraction: Assessing Understanding through Problem Writing. Feb. 2008, 326–32.  
 The Finger and the Moon. Oct. 2007, 132–33.  
 Integers Made Easy: Just Walk It Off. Sept. 2007, 118–21.  
 Is Silence Golden? What Silent Participants Might Be Learning in Discourse-Rich Classrooms. Dec./Jan. 2007–2008, 305–11.  
 It's All in the Cards: Adding and Subtracting Integers. Aug. 2007, 10–17.  
 Percents Can Make Sense. Mar. 2008, 418–22.  
 The Role of Representations in Fraction Addition and Subtraction. Apr. 2008, 490–96.  
 See a Different Mathematics. Nov. 2007, 212–17.  
 Student Representations at the Center: Promoting Classroom Equity. Apr. 2008, 458–63.  
 Teaching Algebra without Algebra. Feb. 2008, 334–39.  
 Teaching Multiplication Algorithms from Other Cultures. Dec./Jan. 2007–2008, 298–304.  
 Ten Practical Tips for Making Fractions Come Alive and Make Sense. Mar. 2008, 372–80.  
 What Do Students Need to Learn about Division of Fractions? May 2008, 546–52.

## Number Systems

A Context for Integer Computation. Aug. 2007, 46–50.  
 Get “Primed” to the Basic Building Blocks of Numbers. Sept. 2007, 122–27.  
 It's All in the Cards: Adding and Subtracting Integers. Aug. 2007, 10–17.  
 Teaching Multiplication Algorithms from Other Cultures. Dec./Jan. 2007–2008, 298–304.

## Patterns

Investigating Students' Thinking about Functional Relationships. Dec./Jan. 2007–2008, 312–15.  
 Using Pattern Tasks to Develop Mathematical Understandings and Set Classroom Norms. Aug. 2007, 38–44.

## Probability

The Coat Check Problem: A S(t)imulating Lesson. Oct. 2007, 182–87.

## Problem Solving/Problem Posing

Babysitting Blues. Apr. 2008, 468–70.  
 Close Quarters. Nov. 2007, 230–32.  
 Division by a Fraction: Assessing Understanding through Problem Writing. Feb. 2008, 326–32.  
 Fermi Questions. Oct. 2007, 164–67.  
 Fund Run. Oct. 2007, 159, 163.  
 Home Area and History. Feb. 2008, 349–51.  
 How Does Your Mathematical Garden Grow? Sept. 2007, 68–76.  
 How Expensive Is That Stuff? Feb. 2008, 340–42.  
 In the Wink of an Eye. Mar. 2008, 398–99.  
 Integrating Content to Create Problem-Solving Opportunities. Feb. 2008, 352–60.  
 Making a Deal with Santa's Helper. Dec./Jan. 2007–2008, 286–87.  
 Middle School Girls in the Mathematics Classroom. Nov. 2007, 234–36.  
 A Mix of 1, 2, 3, 4, 5, 6. Nov. 2007, 218, 228.  
 Multiples of Four. May 2008, 535–37.  
 Number Golf. Dec./Jan. 2007–2008, 284–85.  
 Palette of Problems. Apr. 2008, 464–67.  
 Palette of Problems. Aug. 2007, 32–36.  
 Palette of Problems (December). Dec./Jan. 2007–2008, 288–91.  
 Palette of Problems (January). Dec./Jan. 2007–2008, 292–95.  
 Palette of Problems. Feb. 2008, 344–48.  
 Palette of Problems. Mar. 2008, 400–403.  
 Palette of Problems. May 2008, 528–531.  
 Palette of Problems. Nov. 2007, 224–28.  
 Palette of Problems. Oct. 2007, 160–63.  
 Palette of Problems. Sept. 2007, 96–100.  
 Pip Seek. Sept. 2007, 101, 100.  
 Promoting Mathematics Accessibility through Multiple Representations Jigsaws. Apr. 2008, 446–52.  
 A Push for Number Sense Makes Good Sense. Sept. 2007, 88–90.  
 See a Different Mathematics. Nov. 2007, 212–17.

Sense-able Combinatorics: Students' Use of Personal Representations. Apr. 2008, 484–89.  
 State Fair. Oct. 2007, 168–71.  
 Student Approaches to Unitizing in Fair-Share Problems. Sept. 2007, 114–16.  
 Sweet Protection. Oct. 2007, 156–58.  
 Sudorku. Aug. 2007, 30–31, 36.  
 The Three Bears Cookie Store. Dec./Jan. 2007–2008, 283, 295.  
 A Trillion Dollar Classroom. Aug. 2007, 37, 36.  
 The Two-Digit Game. Mar. 2008, 410–11.  
 Whiz Kid. Sept. 2007, 92–94.  
 Will He Ever Get There? May 2008, 532–34.

## Proportional Reasoning

Investigations with the Golden Ratio. Oct. 2007, 150–55.

## Representation

Analyzing Students' Use of Graphic Representations: Determining Misconceptions and Error Patterns for Instruction. Apr. 2008, 471–77.  
 Developing Mathematical Understanding through Multiple Representations. Apr. 2008, 438–45.  
 Developing Meaning for Algebraic Symbols: Possibilities and Pitfalls. Apr. 2008, 478–83.  
 Exploring Segment Lengths on the Geoboard. May 2008, 520–25.  
 How Fast Do Trees Grow? Using Tables and Graphs to Explore Slope. Dec./Jan. 2007–2008, 260–65.  
 It's All in the Cards: Adding and Subtracting Integers. Aug. 2007, 10–17.  
 Not All Manipulatives and Models Are Created Equal. Aug. 2007, 6–9.  
 Oranges, Posters, Ribbons, and Lemonade: Concrete Computational Strategies for Dividing Fractions. Apr. 2008, 453–57.  
 Promoting Mathematics Accessibility through Multiple Representations Jigsaws. Apr. 2008, 446–52.  
 The Role of Representations in Fraction Addition and Subtraction. Apr. 2008, 490–96.  
 Sense-able Combinatorics: Students' Use of Personal Representations. Apr. 2008, 484–89.  
 Student Representations at the Center: Promoting Classroom Equity. Apr. 2008, 458–63.



Teaching Multiplication Algorithms from Other Cultures. Dec./Jan. 2007–2008, 298–304.

## Research

Developing Mathematical Understanding through Multiple Representations. Apr. 2008, 438–45.

Developing Meaning for Algebraic Symbols: Possibilities and Pitfalls. Apr. 2008, 478–83.

Reflections on a Research-Inspired Lesson about the Fairness of Dice. Nov. 2007, 237–43.

The Role of Representations in Fraction Addition and Subtraction. Apr. 2008, 490–96.

Student Approaches to Unitizing in Fair-Share Problems. Sept. 2007, 114–16.

Ten Practical Tips for Making Fractions Come Alive and Make Sense. Mar. 2008, 372–80.

## Spatial Visualization

Analyzing Students' Use of Graphic Representations: Determining Misconcep-

tions and Error Patterns for Instruction. Apr. 2008, 471–77.

Home Area and History. Feb. 2008, 349–51.

## Statistics/Data Analysis

The Coat Check Problem: A S(t)imulating Lesson. Oct. 2007, 182–87.

How Fast Do Trees Grow? Using Tables and Graphs to Explore Slope. Dec./Jan. 2007–2008, 260–65.

Reflections on a Research-Inspired Lesson about the Fairness of Dice. Nov. 2007, 237–43.

## Teachers

Home Area and History. Feb. 2008, 349–51.

Integrating Mathematics and Social Issues. Dec./Jan. 2007–2008, 270–76.

Is Silence Golden? What Silent Participants Might Be Learning in Discourse-Rich Classrooms. Dec./Jan. 2007–2008, 305–11.

A Yin and Yang Approach to Area and Irregular Shapes. Dec./Jan. 2007–2008, 296–97.

## Teaching and Learning

Batty Functions: Exploring Quadratic Functions through Children's Literature. Aug. 2007, 52–64.

Card Sorts, State Tests, and Meaningful Mathematics. Mar. 2008, 390–97.

The Coat Check Problem: A S(t)imulating Lesson. Oct. 2007, 182–87.

$C^2$  = Creative Coordinates. Sept. 2007, 82–87.

Dynamic Concrete Instruction in an Inclusive Classroom. Nov. 2007, 244–48.

Fermi Questions. Oct. 2007, 164–67.

Focal Points—What's Next for You? Aug. 2007, 4.

Home Area and History. Feb. 2008, 349–51.

How Does Your Mathematical Garden Grow? Sept. 2007, 68–76.

How Fast Do Trees Grow? Using Tables and Graphs to Explore Slope. Dec./Jan. 2007–2008, 260–65.

"I Can't Write All the Way to 100": Recognizing Students' Emerging Algebraic Strategies. Dec./Jan. 2007–2008, 278–82.

Implementation of the NCTM's *Curriculum Focal Points*: Concept versus Content. Sept. 2007, 78–80.

The Importance of Equal Sign Under-

standing in the Middle Grades. May 2008, 514–19.

Improving the Planning and Teaching of Mathematics by Reflecting on Research. Mar. 2008, 412–17.

Integers Made Easy: Just Walk It Off. Sept. 2007, 118–21.

Integrating Content to Create Problem-Solving Opportunities. Feb. 2008, 352–60.

Integrating Literature and Mathematics: A Mysterious Connection. Oct. 2007, 134–39.

Investigations with the Golden Ratio. Oct. 2007, 150–55.

Lattice Multiplication in a Preservice Classroom. Sept. 2007, 110–13.

A Look at the Development of Algebraic Thinking in *Curriculum Focal Points*. Dec./Jan. 2007–2008, 266–69.

A Look at the Development of Data Representation and Analysis in *Curriculum Focal Points: A Quest for Coherence*. Nov. 2007, 208–10.

A Look at the Development of Ratios, Rates, and Proportionality. Oct. 2007, 140–42.

Metric Madness. Oct. 2007, 172–81.

Not All Manipulatives and Models Are Created Equal. Aug. 2007, 6–9.

Promoting Mathematics Accessibility through Multiple Representations Jigsaws. Apr. 2008, 446–52.

Reflections on a Research-Inspired Lesson about the Fairness of Dice. Nov. 2007, 237–43.

Ten Practical Tips for Making Fractions Come Alive and Make Sense. Mar. 2008, 372–80.

A Treasure Hunt: Reflecting, Translating, and Rotating Points on a Coordinate Map. Dec./Jan. 2007–2008, 316–20.

Using Pattern Tasks to Develop Mathematical Understandings and Set Classroom Norms. Aug. 2007, 38–44.

Variables and Spreadsheets Connect with Real-World Problems. Mar. 2008, 423–31.

What Do Students Need to Learn about Division of Fractions? May 2008, 546–52.

What If We Were Built Like the Dinosaurs? Nov. 2007, 249–56. ●