Volume 14, August 2007– May 2008

Author Index

- Almeida, Maria da Conçeição, João Sampaio Maia, and Conçeição Menino, Geometrical Discoveries at a Portuguese Kindergarten. Feb. 2008, 336–39.
- Amaral, Olga M., Leslie Garrison, and Gregorio A. Ponce, "Ninety Percent of the Game Is Half Mental." Aug. 2007, 12–17.
- Amos, Stacy M. Fleming, Talking Mathematics. Sept. 2007, 68–73.
- Anderson, Rick, and Joyce Bishop, Solutions to the Shoes for a Pen Pal Problem. Nov. 2007, 217–222.
- Balti, Aadina A., and Darrell Earnest, Instructional Strategies for Teaching Algebra in Elementary School: Findings from a Research-Practice Collaboration. May 2008, 518–22.
- Barlow, Angela T., and Jill Mizell Drake, Assessing Students' Levels of Understanding Multiplication through Problem Writing. Dec. 2007/Jan. 2008, 272–77.
- Beckman, Sybilla, and Karen C. Fuson, Focal Points—Grades 5 and 6. May 2008, 508–17.
- Billings, Esther, Tarah Tiedt, and Lindsey Slater, Algebraic Thinking and Pictorial Growth Patterns. Dec. 2007/Jan. 2008, 302–7.
- Bishop, Joyce, Solutions to the Hummingbird Migration Problem. Sept. 2007, 102–6.
- Bishop, Joyce, and Kyungsoon Jeon, Solutions to the Nine Jumping Numbers Problem. Feb. 2008, 369–73.
- Bishop, Joyce, and Rick Anderson, Solutions to the Shoes for a Pen Pal Problem. Nov. 2007, 217–22.
- Bjork, Janna L., Shining Light on Multiplication: A Mathematics Lantern Festival. Sept. 2007, 108–11.
- Brown, Carmen S., Julie Sarama, and Douglas H. Clements, Thinking about Learning Trajectories in Preschool. Oct. 2007, 178–81.
- Browning, Christine A., Gina Garza-Kling, and Elizabeth Hill Sundling, What's Your Angle on Angles? Dec. 2007/Jan. 2008, 283–87.
- Carnevale, Patricia, Debra Scarpelli, Donna Christy, Karen Lambe, and Christine Payson, Alice in Numberland: Through the Standards in Wonderland. Apr. 2008, 436–46.
- Chahine, Iman, Lesa M. Covington Clarkson, Beth Robelia, Michelle Fleming, and Frances Lawrenz, Rulers of Different Colors: Inquiry into Measurement. Aug. 2007, 34–39.
- Charles, Randall I., and Paula B. Duckett, Focal Points—Grades 3 and 4. Apr. 2008, 466–71.

- Chick, Candace, Cornelia Tierney, and Judy Storeygard, Seeing Students' Knowledge of Fractions: Candace's Inclusive Classroom. Aug. 2007, 52–57.
- Chick, Linda, Andrea S. Holmes, Nicole McClymonds, Steve Musick, Patti Reynolds, and Gilda Shultz, Feed Your Mind! Oct. 2007, 160–61.
- ———, Geology, Geography, and Math. Dec. 2007/Jan. 2008, 288–89.
- ———, Geometry and Measurement. Mar. 2008, 408–9.
 - —, A Healthy Start. Aug. 2007, 32–33.
- ——, Inventors and Their Inventions. Sept. 2007, 96–97.
- ———, Passport to Travel. May 2008, 528–29.
- —, Read a Story, Discover the Math. Nov. 2007, 224–25.
- ——, Treasure Hunt. Feb. 2008, 352–53.
- ———, Weather or Not. Apr. 2008, 464–65.
- Christy, Donna, Karen Lambe, Christine Payson, Patricia Carnevale, and Debra Scarpelli, Alice in Numberland: Through the Standards in Wonderland. Apr. 2008, 436–46.
- Chval, Kathryn, Barbara J. Reys, Shannon Dingman, Melissa McNaught, Troy P. Regis, and Junko Togashi, Grade-Level Learning Expectations: A New Challenge for Elementary Mathematics Teachers. Aug. 2007, 6–11.
- Clarkson, Lesa M. Covington, Beth Robelia, Iman Chahine, Michelle Fleming, and Frances Lawrenz, Rulers of Different Colors: Inquiry into Measurement. Aug. 2007, 34–39.
- Clements, Douglas H., and Julie Sarama, Curriculum Focal Points: Pre-K-Kindergarten. Feb. 2008, 361-65.
- ——, Focal Points—Grades 1 and 2. Mar. 2008, 396–401.
- Clements, Douglas H., Carmen S. Brown, and Julie Sarama, Thinking about Learning Trajectories in Preschool. Oct. 2007, 178–81.
- Cook, Carolyn D., I Scream, You Scream: Data Analysis with Kindergartners. May 2008, 538–40.
- Crespo, Sandra M., and Andreas O. Kyriakides, To Draw or Not to Draw: Exploring Children's Drawings for Solving Mathematics Problems. Sept. 2007, 118–25.
- Cullen, Christine, and Joseph Gaymore, Ocean Quest. Feb. 2008, 344–51.
- Dark, Denise, Making "Cute" Count. Oct. 2007, 153–59.
- Decker, Suzan, Jane Murphy Wilburne, Mary Napoli,

- Jane B. Keat, Kimberly Dile, and Michelle Trout, Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.
- Demers, Cynthia M. Zmijewski, and Cecilia M. Vanderhye, Assessing Students' Understanding through Conversations. Dec. 2007/Jan. 2008, 260–64.
- Devichi, Claude, Hélène Merle, and Valérie Munier, A Physical Situation As a Way to Teach Angle. Mar. 2008, 402–7.
- Dile, Kimberly, Suzan Decker, Jane Murphy Wilburne, Mary Napoli, Jane B. Keat, and Michelle Trout, Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.
- Dingman, Shannon, Barbara J. Reys, Kathryn Chval, Melissa McNaught, Troy P. Regis, and Junko Togashi, Grade-Level Learning Expectations: A New Challenge for Elementary Mathematics Teachers. Aug. 2007, 6–11.
- Drake, Jill Mizell, and Angela T. Barlow, Assessing Students' Levels of Understanding Multiplication through Problem Writing. Dec. 2007/Jan. 2008, 272–77.
- Duckett, Paula B., and Randall I. Charles, Focal Points—Grades 3 and 4. Apr. 2008, 466–71.
- Earnest, Darrell, and Aadina A. Balti, Instructional Strategies for Teaching Algebra in Elementary School: Findings from a Research-Practice Collaboration. May 2008, 518–22.
- Ebby, Caroline Brayer, Maria Palaitis Ottinger, and Penny Silver, Improving Mathematics Instruction through Classroom-Based Inquiry. Oct. 2007, 182–86.
- Ellis, Mark, and Cathery Yeh, Coloring Maps: How Many Colors Are Necessary? Apr. 2008, 485–87.
- ———, Creative Arithmetic: Exploring Alternative Methods. Feb. 2008, 367–68.
- ——, From Leaks to Liters: Estimating Water Loss. Aug. 2007, 45–47.
- ———, Height in Coins. Oct. 2007, 170–72.
- ——, How Many Triangles? Nov. 2007, 214–16.
- ——, Rock-Paper-Scissors. Dec. 2007/Jan. 2008, 309–10.
- ———, Stained Glass Window Designs. Sept. 2007, 99–101.
- ——, Using Your (Number) Sense of Balance. Mar. 2008, 418–20.
- ———, Walk for the Paws. May 2008, 541–42.
- Fennell, Francis (Skip), Curriculum Focal Points: What's Your Focus and Why? Dec. 2007/Jan. 2008, 315–16.
- Fisher, Douglas, and Donna Kopenski, Using Item Analyses and Instructional Conversations to Improve Mathematics Achievement. Dec. 2007/Jan. 2008, 278–82.
- Fleming, Michelle, Lesa M. Covington Clarkson, Beth Robelia, Iman Chahine, and Frances Lawrenz, Rulers of Different Colors: Inquiry into Measurement. Aug. 2007, 34–39.
- Flowers, Judith, Theresa J. Grant, and Jane-Jane Lo, Shaping Prospective Teachers' Justifications for Computation: Challenges and Opportunities. Sept. 2007, 112–16.
- Foote, Mary Q., Addressing the Needs of Struggling Learners. Feb. 2008, 340–43.

- Foster, Shannon, The Day Math and Reading Got Hitched. Nov. 2007, 196–201.
- Fuson, Karen C., and Sybilla Beckman, Focal Points—Grades 5 and 6. May 2008, 508–17.
- Garrison, Leslie, Gregorio A. Ponce, and Olga M. Amaral, "Ninety Percent of the Game Is Half Mental." Aug. 2007, 12–17.
- Garza-Kling, Gina, Christine A. Browning, and Elizabeth Hill Sundling, What's Your Angle on Angles? Dec. 2007/Jan. 2008, 283–87.
- Gaymore, Joseph, and Christine Cullen, Ocean Quest. Feb. 2008, 344–51.
- Goral, Mary Barr, and Lynda R. Wiest, An Arts-Based Approach to Teaching Fractions. Sept. 2007, 74–80.
- Grant, Theresa J., Judith Flowers, and Jane-Jane Lo, Shaping Prospective Teachers' Justifications for Computation: Challenges and Opportunities. Sept. 2007, 112–16.
- Gregg, Diana Underwood, and Jeff Gregg, Interpreting the Standard Division Algorithm in a "Candy Factory" Context. Aug. 2007, 25–31.
- Gregg, Jeff, and Diana Underwood Gregg, Interpreting the Standard Division Algorithm in a "Candy Factory" Context. Aug. 2007, 25–31.
- Hagen, Pamela A., Terra Hooyberg, Paul Marsden, Jana Simonski, and Gary Yuen, To Share or Not to Share— How Is the Question! Sept. 2007, 88–95.
- Hansen, Pia, and Donna Mathern, One Elementary School's Journey from Research to Practice. Oct. 2007, 146–51.
- Holden, Becky, Preparing for Problem Solving. Dec. 2007/Jan. 2008, 290–95.
- Holmes, Aliya E., Linda Polhemus Lucey, Sybillyn Jennings, Peter Olson, and Lester Rubenfeld, The Power of String: Building a Conceptual Foundation for Measuring Rate. Aug. 2007, 18–24.
- Holmes, Andrea S., Linda Chick, Nicole McClymonds, Steve Musick, Patti Reynolds, and Gilda Shultz, Feed Your Mind! Oct. 2007, 160–61.
- ——, Geology, Geography, and Math. Dec. 2007/Jan. 2008, 288–89.
- ———, Geometry and Measurement. Mar. 2008, 408–9.
 - —, A Healthy Start. Aug. 2007, 32–33.
- ——, Inventors and Their Inventions. Sept. 2007, 96–97.
- ——, Passport to Travel. May 2008, 528–29.
- ——, Read a Story, Discover the Math. Nov. 2007, 224–25.
- ———, Treasure Hunt. Feb. 2008, 352–53.
- ———, Weather or Not. Apr. 2008, 464–65.
- Hooyberg, Terra, Pamela A. Hagen, Paul Marsden, Jana Simonski, and Gary Yuen, To Share or Not to Share— *How* Is the Question! Sept. 2007, 88–95.
- Jennings, Sybillyn, Linda Polhemus Lucey, Peter Olson, Lester Rubenfeld, and Aliya E. Holmes, The Power of String: Building a Conceptual Foundation for Measuring Rate. Aug. 2007, 18–24.
- Jeon, Kyungsoon, and Joyce Bishop, Solutions to the Nine Jumping Numbers Problem. Feb. 2008, 369–73.

- Kalifatidou, Eleftheria R., Design of Activities on Numerical Representations Based on Cognitive Research. Feb. 2008, 355–60.
- Kamii, Constance, and Judith Rummelsburg, Arithmetic for First Graders Lacking Number Concepts. Mar. 2008, 389–94.
- Kamii, Constance, and Mariko Nagahiro, The Educational Value of Tic-Tac-Toe for Four- to Six-Year-Olds. May 2008, 523–27.
- Kastberg, Signe E., and Vicki Walker, Insights into Our Understandings of Large Numbers. May 2008, 530–36.
- Keat, Jane B., Kimberly Dile, Suzan Decker, Jane Murphy Wilburne, Mary Napoli, and Michelle Trout, Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.
- Kopenski, Donna, and Douglas Fisher, Using Item Analyses and Instructional Conversations to Improve Mathematics Achievement. Dec. 2007/Jan. 2008, 278–82.
- Kyriakides, Andreas O., and Sandra M. Crespo, To Draw or Not to Draw: Exploring Children's Drawings for Solving Mathematics Problems. Sept. 2007, 118–25.
- Lambe, Karen, Christine Payson, Patricia Carnevale, Debra Scarpelli, and Donna Christy, Alice in Numberland: Through the Standards in Wonderland. Apr. 2008, 436–46.
- Lawrenz, Frances, Lesa M. Covington Clarkson, Beth Robelia, Iman Chahine, and Michelle Fleming, Rulers of Different Colors: Inquiry into Measurement. Aug. 2007, 34–39.
- Lee, Ji-Eun, Context in Mathematics Learning: Problems and Possibilities. Aug. 2007, 40–44.
- Leitze, Annette Ricks, and Sheryl Stump, Solutions to the Knights in Armor Problem. Apr. 2008, 488–94.
- ———, Solutions to the Sharing Cookies Problem. Mar. 2008, 421–25.
- Lo, Jane-Jane, Judith Flowers, and Theresa J. Grant, Shaping Prospective Teachers' Justifications for Computation: Challenges and Opportunities. Sept. 2007, 112–16.
- Lucey, Linda Polhemus, Sybillyn Jennings, Peter Olson, Lester Rubenfeld, and Aliya E. Holmes, The Power of String: Building a Conceptual Foundation for Measuring Rate. Aug. 2007, 18–24.
- Mack, Nancy K., Gaining Insights into Children's Geometric Knowledge. Nov. 2007, 238–45.
- Maia, João Sampaio, Conçeicão Menino, and Maria da Conçeicão Almeida, Geometrical Discoveries at a Portuguese Kindergarten. Feb. 2008, 336–39.
- Malinsky, Marci A., and Mark McJunkin, Wondrous Tales of Measurement. Mar. 2008, 410–13.
- Marsden, Paul, Pamela A. Hagen, Terra Hooyberg, Jana Simonski, and Gary Yuen, To Share or Not to Share— *How* Is the Question! Sept. 2007, 88–95.
- Mastin, Marla, Storytelling + Origami = Storigami Mathematics. Nov. 2007, 206–12.

- Mathern, Donna, and Pia Hansen, One Elementary School's Journey from Research to Practice. Oct. 2007, 146–51.
- Mattone, Lauren, "I Know an Old Lady": Using Children's Literature to Explore Patterns. Nov. 2007, 202–5.
- ———, Taking Attendance: A Starting Point for Explorations in Number Sense. Mar. 2008, 414–16.
- McClymonds, Nicole, Linda Chick, Andrea S. Holmes, Steve Musick, Patti Reynolds, and Gilda Shultz, Feed Your Mind! Oct. 2007, 160–61.
- ———, Geology, Geography, and Math. Dec. 2007/Jan. 2008, 288–89.
- ———, Geometry and Measurement. Mar. 2008, 408–9.
- ——, A Healthy Start. Aug. 2007, 32–33.
- _____, Inventors and Their Inventions. Sept. 2007, 96–97.
 - ——, Passport to Travel. May 2008, 528–29.
- ——, Read a Story, Discover the Math. Nov. 2007, 224–25.
- ——, Treasure Hunt. Feb. 2008, 352–53.
- ———, Weather or Not. Apr. 2008, 464–65.
- McDuffie, Amy Roth, and Judith A. Morrison, Teachers Learning about Data Display: Connecting Mathematics and Science Inquiry. Feb. 2008, 375–82.
- McJunkin, Mark, and Marci A. Malinsky, Wondrous Tales of Measurement. Mar. 2008, 410–13.
- McMillen, Sue, Predictions and Probability. Apr. 2008, 454–63.
- McNaught, Melissa, Barbara J. Reys, Kathryn Chval, Shannon Dingman, Troy P. Regis, and Junko Togashi, Grade-Level Learning Expectations: A New Challenge for Elementary Mathematics Teachers. Aug. 2007, 6–11.
- Menino, Conçeicão, João Sampaio Maia, and Maria da Conçeicão Almeida, Geometrical Discoveries at a Portuguese Kindergarten. Feb. 2008, 336–39.
- Merle, Hélène, Valérie Munier, and Claude Devichi, A Physical Situation As a Way to Teach Angle. Mar. 2008, 402–7.
- Morrison, Judith A., and Amy Roth McDuffie, Teachers Learning about Data Display: Connecting Mathematics and Science Inquiry. Feb. 2008, 375–82.
- Moseley, Bryan, and Yukari Okamoto, Making It Accessible: What U.S. Teachers Should Know about Japanese Mathematics Teaching and Schooling. Mar. 2008, 387–88.
- Munier, Valérie, Claude Devichi, and Hélène Merle, A Physical Situation As a Way to Teach Angle. Mar. 2008, 402–7.
- Musick, Steve, Linda Chick, Andrea S. Holmes, Nicole McClymonds, Patti Reynolds, and Gilda Shultz, Feed Your Mind! Oct. 2007, 160–61.
- ———, Geology, Geography, and Math. Dec. 2007/Jan. 2008, 288–89.
- ———, Geometry and Measurement. Mar. 2008, 408–9.
 ———, A Healthy Start. Aug. 2007, 32–33.
- , Inventors and Their Inventions. Sept. 2007, 96–97.
- ———, Passport to Travel. May 2008, 528–29.
- ——, Read a Story, Discover the Math. Nov. 2007, 224–25.

- -, Treasure Hunt. Feb. 2008, 352–53. -, Weather or Not. Apr. 2008, 464–65.
- Nagahiro, Mariko, and Constance Kamii, The Educational Value of Tic-Tac-Toe for Four- to Six-Year-Olds. May 2008, 523-27.
- Napoli, Mary, Jane B. Keat, Kimberly Dile, Suzan Decker, Jane Murphy Wilburne, and Michelle Trout, Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232-37.
- Novakowski, Janice, Developing "Five-ness" in Kindergarten. Nov. 2007, 226-31.
- Okamoto, Yukari, and Bryan Moseley, Making It Accessible: What U.S. Teachers Should Know about Japanese Mathematics Teaching and Schooling. Mar. 2008,
- O'Loughlin, Tricia Ann, Using Research to Develop Computational Fluency in Young Mathematicians. Oct. 2007, 132-38.
- Olson, Peter, Linda Polhemus Lucey, Sybillyn Jennings, Lester Rubenfeld, and Aliya E. Holmes, The Power of String: Building a Conceptual Foundation for Measuring Rate. Aug. 2007, 18-24.
- Ortiz, Enrique, and Michelle L. Thrift, Memorable Menu Math: The Journey from Teaching Procedurally to Teaching Conceptually. Aug. 2007, 58-60.
- Ottinger, Maria Palaitis, Caroline Brayer Ebby, and Penny Silver, Improving Mathematics Instruction through Classroom-Based Inquiry. Oct. 2007, 182-86.
- Payson, Christine, Patricia Carnevale, Debra Scarpelli, Donna Christy, and Karen Lambe, Alice in Numberland: Through the Standards in Wonderland. Apr. 2008, 436-46.
- Ponce, Gregorio A., Leslie Garrison, and Olga M. Amaral, "Ninety Percent of the Game Is Half Mental." Aug. 2007, 12-17.
- Post, Gina, and Stephanie Varoz, Lesson-Study Groups with Prospective and Practicing Teachers. Apr. 2008,
- Pyon, Shirley, Why Math Blogs? Feb. 2008, 331-35.
- Regis, Troy P., Barbara J. Reys, Kathryn Chval, Shannon Dingman, Melissa McNaught, and Junko Togashi, Grade-Level Learning Expectations: A New Challenge for Elementary Mathematics Teachers. Aug. 2007, 6–11.
- Reynolds, Patti, Gilda Shultz, Linda Chick, Andrea S. Holmes, Nicole McClymonds, and Steve Musick, Feed Your Mind! Oct. 2007, 160-61.
- -, Geology, Geography, and Math. Dec. 2007/Jan. 2008, 288-89.
- -, Geometry and Measurement. Mar. 2008, 408-9. -, A Healthy Start. Aug. 2007, 32-33.
- -, Inventors and Their Inventions. Sept. 2007, 96-97.
- -, Passport to Travel. May 2008, 528–29.
- -, Read a Story, Discover the Math. Nov. 2007, 224-25.
- -, Treasure Hunt. Feb. 2008, 352–53.
- —, Weather or Not. Apr. 2008, 464–65.

- Reys, Barbara J., Kathryn Chval, Shannon Dingman, Melissa McNaught, Troy P. Regis, and Junko Togashi, Grade-Level Learning Expectations: A New Challenge for Elementary Mathematics Teachers. Aug. 2007, 6-11.
- Robelia, Beth, Lesa M. Covington Clarkson, Iman Chahine, Michelle Fleming, and Frances Lawrenz, Rulers of Different Colors: Inquiry into Measurement. Aug. 2007, 34-39.
- Roberts, Sally K., Watch What You Say. Dec. 2007/Jan. 2008, 296-301.
- Roddick, Cheryl, and Christina Silvas-Centeno, Developing Understanding of Fractions through Pattern Blocks and Fair Trade. Oct. 2007, 140-45.
- Rubenfeld, Lester, Peter Olson, Linda Polhemus Lucey, Sybillyn Jennings, and Aliya E. Holmes, The Power of String: Building a Conceptual Foundation for Measuring Rate. Aug. 2007, 18-24.
- Rummelsburg, Judith, and Constance Kamii, Arithmetic for First Graders Lacking Number Concepts. Mar. 2008, 389-94.
- St. Julien, Laurie, 7,000 Pancakes! May 2008, 500-507. Sarama, Julie, and Douglas H. Clements, Curriculum Focal Points: Pre-K-Kindergarten. Feb. 2008, 361–65.
- Focal Points—Grades 1 and 2. Mar. 2008, 396-401.
- Sarama, Julie, Carmen S. Brown, and Douglas H. Clements, Thinking about Learning Trajectories in Preschool. Oct. 2007, 178-81.
- Scarpelli, Debra, Donna Christy, Karen Lambe, Christine Payson, and Patricia Carnevale, Alice in Numberland: Through the Standards in Wonderland. Apr. 2008, 436-46.
- Shockey, Tod L., and Karen Snyder, Engaging Preservice Teachers and Elementary-Age Children in Transformational Geometry: Tessellating T-Shirts. Sept. 2007, 82-87.
- Shultz, Gilda, Linda Chick, Andrea S. Holmes, Nicole McClymonds, Steve Musick, and Patti Reynolds, Feed Your Mind! Oct. 2007, 160-61.
- , Geology, Geography, and Math. Dec. 2007/Jan. 2008, 288-89.
- -, Geometry and Measurement. Mar 2008, 408–9. -, A Healthy Start. Aug. 2007, 32–33.
- -, Inventors and Their Inventions. Sept. 2007,
- 96-97.
- -, Passport to Travel. May 2008, 528-29.
- -, Read a Story, Discover the Math. Nov. 2007, 224-25.
- -, Treasure Hunt. Feb. 2008, 352–53.
- -, Weather or Not. Apr. 2008, 464–65.
- Silvas-Centeno, Christina, and Cheryl Roddick, Developing Understanding of Fractions through Pattern Blocks and Fair Trade. Oct. 2007, 140-45.
- Silver, Penny, Caroline Brayer Ebby, and Maria Palaitis Ottinger, Improving Mathematics Instruction through Classroom-Based Inquiry. Oct. 2007, 182-86.
- Simonski, Jana, Pamela A. Hagen, Terra Hooyberg, Paul Marsden, and Gary Yuen, To Share or Not to Share-How Is the Question! Sept. 2007, 88–95.

- Slater, Lindsey, Esther Billings, and Tarah Tiedt, Algebraic Thinking and Pictorial Growth Patterns. Dec. 2007/Jan. 2008, 302–7.
- Snyder, Karen, and Tod L. Shockey, Engaging Preservice Teachers and Elementary-Age Children in Transformational Geometry: Tessellating T-Shirts. Sept. 2007, 82–87.
- Storeygard, Judy, Candace Chick, and Cornelia Tierney, Seeing Students' Knowledge of Fractions: Candace's Inclusive Classroom. Aug. 2007, 52–57.
- Stump, Sheryl, Solutions to the Broken Calculator Problem. Dec. 2007/Jan. 2008, 311–14.
- ——, Solutions to the Making Brownies Problem. Oct. 2007, 173–77.
- Stump, Sheryl, and Annette Ricks Leitze, Solutions to the Knights in Armor Problem. Apr. 2008, 488–94.
- , Solutions to the Sharing Cookies Problem. Mar. 2008, 421–25.
- Stump, Sheryl, and Donna Toll, Solutions to the Characteristics of Shapes Problem. May 2008, 543–46.
- ——— Solutions to the Terrific Trapezoids Problem. Aug. 2007, 48–51.
- Suh, Jennifer M., Developing "Algebra-'Rithmetic" in the Elementary Grades. Nov. 2007, 246–52.
- Sundling, Elizabeth Hill, Christine A. Browning, and Gina Garza-Kling, What's Your Angle on Angles? Dec. 2007/Jan. 2008, 283–87.
- Taylor, P. Mark, Finding What Works: When Practice and Research Meet. Oct. 2007, 131.
- Tierney, Cornelia, Judy Storeygard, and Candace Chick, Seeing Students' Knowledge of Fractions: Candace's Inclusive Classroom. Aug. 2007, 52–57.
- Thrift, Michelle L., and Enrique Ortiz, Memorable Menu Math: The Journey from Teaching Procedurally to Teaching Conceptually. Aug. 2007, 58–60.
- Tiedt, Tarah, Esther Billings, and Lindsey Slater, Algebraic Thinking and Pictorial Growth Patterns. Dec. 2007/Jan. 2008, 302–7.
- Togashi, Junko, Barbara J. Reys, Kathryn Chval, Shannon Dingman, Melissa McNaught, and Troy P. Regis, Grade-Level Learning Expectations: A New Challenge for Elementary Mathematics Teachers. Aug. 2007, 6–11.
- Toll, Donna, and Sheryl Stump, Solutions to the Characteristics of Shapes Problem. May 2008, 543–46.
- ——, Solutions to the Terrific Trapezoids Problem. Aug. 2007, 48–51.
- Trout, Michelle, Mary Napoli, Jane B. Keat, Kimberly Dile, Suzan Decker, and Jane Murphy Wilburne, Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.
- Vanderhye, Cecilia M., and Cynthia M. Zmijewski Demers, Assessing Students' Understanding through Conversations. Dec. 2007/Jan. 2008, 260–64.
- Varoz, Stephanie, and Gina Post, Lesson-Study Groups with Prospective and Practicing Teachers. Apr. 2008, 472–78.
- Walker, Vicki, and Signe E. Kastberg, Insights into Our Understandings of Large Numbers. May 2008, 530–36.

- Weiland, Linnea, Experiences to Help Children Learn to Count On. Oct. 2007, 188–92.
- Whitin, David J., Learning Our Way to One Million. Apr. 2008, 448–53.
- Whitin, David J., and Phyllis Whitin, Learning to Solve Problems in Primary Grades. Mar. 2008, 426–32.
- Whitin, Phyllis, and David J. Whitin, Learning to Solve Problems in Primary Grades. Mar. 2008, 426–32.
- Wiest, Lynda, Problem-Solving Support for English Language Learners. Apr. 2008, 479–84.
- Wilburne, Jane Murphy, Michelle Trout, Mary Napoli, Jane B. Keat, Kimberly Dile, and Suzan Decker, Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.
- Williams, Lori, Tiering and Scaffolding: Two Strategies for Providing Access to Important Mathematics. Feb. 2008, 324–30.
- Yeh, Cathery, and Mark Ellis, Coloring Maps: How Many Colors Are Necessary? Apr. 2008, 485–87.
- ——, Creative Arithmetic: Exploring Alternative Methods. Feb. 2008, 367–68.
- ——, From Leaks to Liters: Estimating Water Loss. Aug. 2007, 45–47.
 - —, Height in Coins. Oct. 2007, 170–72.
- ——, How Many Triangles? Nov. 2007, 214–16.
- ——, Rock-Paper-Scissors. Dec. 2007/Jan. 2008, 309–10.
- —, Stained Glass Window Designs. Sept. 2007, 99–101.
- ——, Using Your (Number) Sense of Balance. Mar. 2008, 418–20.
- ———, Walk for the Paws. May 2008, 541–42.
- Yuen, Gary, Pamela A. Hagen, Terra Hooyberg, Paul Marsden, and Jana Simonski, To Share or Not to Share—*How* Is the Question! Sept. 2007, 88–95.
- Zambo, Debby, and Ronald Zambo, Mathematics and the Learning Cycle: How the Brain Works As It Learns Mathematics. Dec. 2007/Jan. 2008, 265–70.
- Zambo, Ronald, and Debby Zambo, Mathematics and the Learning Cycle: How the Brain Works As It Learns Mathematics. Dec. 2007/Jan. 2008, 265–70.

Subject Index

Algebra/Algebraic Thinking

- Algebraic Thinking and Pictorial Growth Patterns. Dec. 2007/Jan. 2008, 302–7.
- Alice in Numberland: Through the Standards in Wonderland. Apr. 2008, 436–46.
- "I Know an Old Lady": Using Children's Literature to Explore Patterns. Nov. 2007, 202–5.
- Instructional Strategies for Teaching Algebra in Elementary School: Findings from a Research-Practice Collaboration. May 2008, 518–22.
- Using Your (Number) Sense of Balance. Mar. 2008, 418–20.
- Walk for the Paws. May 2008, 541-42.

Assessment

Assessing Students' Levels of Understanding Multiplica-

- tion through Problem Writing. Dec. 2007/Jan. 2008, 272–77.
- Assessing Students' Understanding through Conversations. Dec. 2007/Jan. 2008, 260–64.
- To Share or Not to Share—How Is the Question! Sept. 2007, 88–95.
- Using Item Analyses and Instructional Conversations to Improve Mathematics Achievement. Dec. 2007/Jan. 2008, 278–82.

Communication

Assessing Students' Understanding through Conversations. Dec. 2007/Jan. 2008, 260–64.

Talking Mathematics. Sept. 2007, 68-73.

Computation/Arithmetic

- An Arts-Based Approach to Teaching Fractions. Sept. 2007, 74–80.
- Arithmetic for First Graders Lacking Number Concepts. Mar. 2008, 389–94.
- Assessing Students' Levels of Understanding Multiplication through Problem Writing. Dec. 2007/Jan. 2008, 272–77.
- Learning Our Way to One Million. Apr. 2008, 448-53.
- Mathematics and the Learning Cycle: How the Brain Works As It Learns Mathematics. Dec. 2007/Jan. 2008, 265–70.
- Using Item Analyses and Instructional Conversations to Improve Mathematics Achievement. Dec. 2007/Jan. 2008, 278–82.

Connections/Applications

- The Day Math and Reading Got Hitched. Nov. 2007, 196–201.
- Gaining Insights into Children's Geometric Knowledge. Nov. 2007, 238–45.
- Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.
- Storytelling + Origami = Storigami Mathematics. Nov. 2007, 206–12.

Curriculum

- Curriculum Focal Points: Pre-K-Kindergarten. Feb. 2008, 361–65.
- Curriculum Focal Points: What's Your Focus and Why? Dec. 2007/Jan. 2008, 315–16.
- Focal Points—Grades 1 and 2. Mar. 2008, 396-401.
- Focal Points—Grades 3 and 4. Apr. 2008, 466-71.
- Focal Points—Grades 5 and 6. May 2008, 508-17.
- Grade-Level Learning Expectations: A New Challenge for Elementary Mathematics Teachers. Aug. 2007, 6–11.
- "I Know an Old Lady": Using Children's Literature to Explore Patterns. Nov. 2007, 202–5.

Data Analysis

- I Scream, You Scream: Data Analysis with Kindergartners. May 2008, 538–40.
- 7,000 Pancakes! May 2008, 500-07.

Early Childhood

Addressing the Needs of Struggling Learners. Feb. 2008, 340–43.

- Developing "Five-ness" in Kindergarten. Nov. 2007, 226–31.
- The Educational Value of Tic-Tac-Toe for Four- to Six-Year-Olds. May 2008, 523–27.
- Experiences to Help Children Learn to Count On. Oct. 2007, 188–92.
- "I Know an Old Lady": Using Children's Literature to Explore Patterns. Nov. 2007, 202–5.
- I Scream, You Scream: Data Analysis with Kindergartners. May 2008, 538–40.
- Geometrical Discoveries at a Portuguese Kindergarten. Feb. 2008, 336–39.
- Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.
- Learning to Solve Problems in Primary Grades. Mar. 2008, 426–32.
- Taking Attendance: A Starting Point for Explorations in Number Sense. Mar. 2008, 414–16.
- Thinking about Learning Trajectories in Preschool. Oct. 2007, 178–81.

Editorial

- Finding What Works: When Practice and Research Meet. Oct. 2007, 131.
- Making It Accessible: What U.S. Teachers Should Know about Japanese Mathematics Teaching and Schooling. Mar. 2008, 387–88.

Equity and Diversity

- Arithmetic for First Graders Lacking Number Concepts. Mar. 2008. 389–94.
- Tiering and Scaffolding: Two Strategies for Providing Access to Important Mathematics. Feb. 2008, 324–30.

Exceptional Student

- "Ninety Percent of the Game Is Half Mental." Aug. 2007, 12–17.
- Problem-Solving Support for English Language Learners. Apr. 2008, 479–84.

Geometry (see also Measurement)

- Gaining Insights into Children's Geometric Knowledge. Nov. 2007, 238–45.
- Geometrical Discoveries at a Portuguese Kindergarten. Feb. 2008, 336–39.
- Geometry and Measurement. Mar. 2008, 408-9.
- Height in Coins. Oct. 2007, 170-72.
- How Many Triangles? Nov. 2007, 214-16.
- Making "Cute" Count. Oct. 2007, 153-59.
- A Physical Situation As a Way to Teach Angle. Mar. 2008, 402–7.
- Solutions to the Making Brownies Problem. Oct. 2007, 173–77.
- Solutions to the Shoes for a Pen Pal Problem. Nov. 2007, 217–22.
- Solutions to the Terrific Trapezoids Problem. Aug. 2007, 48–51.
- Storytelling + Origami = Storigami Mathematics. Nov. 2007, 206–12.
- Tiering and Scaffolding: Two Strategies for Providing Access to Important Mathematics. Feb. 2008, 324–30.

Tying It All Together: Classroom Practices That Promote Mathematical Proficiency for All Students. Oct. 2007, 163–69.

Walk for the Paws. May 2008, 541–42.

Watch What You Say. Dec. 2007/Jan. 2008, 296-301.

What's Your Angle on Angles? Nov. Dec. 2007/Jan. 2008, 283–87.

International Perspective

Making It Accessible: What U.S. Teachers Should Know about Japanese Mathematics Teaching and Schooling. Mar. 2008, 387–88.

Logic

The Educational Value of Tic-Tac-Toe for Four- to Six-Year-Olds. May 2008, 523–27.

Walk for the Paws. May 2008, 541-42.

Measurement

Alice in Numberland: Through the Standards in Wonderland. Apr. 2008, 436–46.

Geometry and Measurement. Mar 2008, 408-9.

Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.

Making "Cute" Count. Oct. 2007, 153-59.

The Power of String: Building a Conceptual Foundation for Measuring Rate. Aug. 2007, 18–24.

Rulers of Different Colors: Inquiry into Measurement. Aug. 2007, 34–39.

Seeing Students' Knowledge of Fractions: Candace's Inclusive Classroom. Aug. 2007, 52–57.

Tying It All Together: Classroom Practices That Promote Mathematical Proficiency for All Students. Oct. 2007, 163–69.

Wondrous Tales of Measurement. Mar. 2008, 410-13.

Number Sense/Number Concepts

Addressing the Needs of Struggling Learners. Feb. 2008, 340–43.

Design of Activities on Numerical Representations Based on Cognitive Research. Feb. 2008, 355–60.

Developing "Five-ness" in Kindergarten. Nov. 2007, 226–31.

Developing Understanding of Fractions through Pattern Blocks and Fair Trade. Oct. 2007, 140–45.

"I Know an Old Lady": Using Children's Literature to Explore Patterns. Nov. 2007, 202–5.

Insights into Our Understandings of Large Numbers. May 2008, 530–36.

Interpreting the Standard Division Algorithm in a "Candy Factory" Context. Aug. 2007, 25–31.

Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.

Learning to Solve Problems in Primary Grades. Mar. 2008, 426–32.

Making "Cute" Count. Oct. 2007, 153-59.

Preparing for Problem Solving. Dec. 2007/Jan. 2008,

Taking Attendance: A Starting Point for Explorations in Number Sense. Mar. 2008, 414–16.

Thinking about Learning Trajectories in Preschool. Oct. 2007, 178–81.

Tiering and Scaffolding: Two Strategies for Providing Access to Important Mathematics. Feb. 2008, 324–30.

Tying It All Together: Classroom Practices That Promote Mathematical Proficiency for All Students. Oct. 2007, 163–69.

Using Research to Develop Computational Fluency in Young Mathematicians. Oct. 2007, 132–38.

Why Math Blogs? Feb. 2008, 331–35.

Number Systems

Experiences to Help Children Learn to Count On. Oct. 2007, 188–92.

Philosophy/Epistemology

Shining Light on Multiplication: A Mathematics Lantern Festival. Sept. 2007, 108–11.

Probability

Predictions and Probability. Apr. 2008, 454-63.

Teachers Learning about Data Display: Connecting Mathematics and Science Inquiry. Feb. 2008, 375–82.

Problem Solving/Problem Posing

Algebraic Thinking and Pictorial Growth Patterns. Dec. 2007/Jan. 2008, 302–7.

Assessing Students' Levels of Understanding Multiplication through Problem Writing. Dec. 2007/Jan. 2008, 272–77.

Coloring Maps: How Many Colors Are Necessary? Apr. 2008, 485–87.

Context in Mathematics Learning: Problems and Possibilities. Aug. 2007, 40–44.

Creative Arithmetic: Exploring Alternative Methods. Feb. 2008, 367–68.

The Day Math and Reading Got Hitched. Nov. 2007, 196–201.

Developing "Algebra-'Rithmetic" in the Elementary Grades. Nov. 2007, 246–52.

Feed Your Mind! Oct. 2007, 160-61.

Geology, Geography, and Math. Dec. 2007/Jan. 2008, 288–89.

Geometry and Measurement. Mar. 2008, 408–9.

A Healthy Start. Aug. 2007, 32–33.

Height in Coins. Oct. 2007, 170-72.

How Many Triangles? Nov. 2007, 214–16.

Instructional Strategies for Teaching Algebra in Elementary School: Findings from a Research-Practice Collaboration. May 2008, 518–22.

Inventors and Their Inventions. Sept. 2007, 96–97.

Learning to Solve Problems in Primary Grades. Mar. 2008, 426–32.

Mathematics and the Learning Cycle: How the Brain Works As It Learns Mathematics. Dec. 2007/Jan. 2008, 265–70.

"Ninety Percent of the Game Is Half Mental." Aug. 2007, 12–17.

Ocean Quest. Feb. 2008, 344-51.

One Elementary School's Journey from Research to Practice. Oct. 2007, 146–51.

Passport to Travel. May 2008, 528-29.

Preparing for Problem Solving. Dec. 2007/Jan. 2008, 290–95.

Problem-Solving Support for English Language Learners. Apr. 2008, 479–84.

Read a Story, Discover the Math. Nov. 2007, 224-25.

 $Rock-Paper-Scissors.\ Dec.\ 2007/Jan.\ 2008,\ 309-10.$

7,000 Pancakes! May 2008, 500-07.

Solutions to the Broken Calculator Problem. Dec. 2007/ Jan. 2008, 311–14.

Solutions to the Characteristics of Shapes Problem. May 2008, 543–46.

Solutions to the Hummingbird Migration Problem. Sept. 2007, 102–6.

Solutions to the Knights in Armor Problem. Apr. 2008, 488–94.

Solutions to the Making Brownies Problem. Oct. 2007, 173–77.

Solutions to the Nine Jumping Numbers Problem. Feb. 2008, 369–73.

Solutions to the Sharing Cookies Problem. Mar. 2008, 421–25.

Solutions to the Shoes for a Pen Pal Problem. Nov. 2007, 217–22.

Solutions to the Terrific Trapezoids Problem. Aug. 2007, 48–51.

Stained Glass Window Designs. Sept. 2007, 99–101.

Talking Mathematics. Sept. 2007, 68–73. To Draw or Not to Draw: Exploring Children's Draw-

ings for Solving Mathematics Problems. Sept. 2007, 118–25.

To Share or Not to Share—*How* Is the Question! Sept. 2007, 88–95.

Treasure Hunt. Feb. 2008, 352-53.

Using Your (Number) Sense of Balance. Mar. 2008, 418–20.

Walk for the Paws. May 2008, 541-42.

Weather or Not. Apr. 2008, 464-65.

Why Math Blogs? Feb. 2008, 331-35.

Reasoning

Developing "Algebra-'Rithmetic" in the Elementary Grades. Nov. 2007, 246–52.

Watch What You Say. Dec. 2007/Jan. 2008, 296–301. Ocean Quest. Feb. 2008, 344–51.

Representation

Design of Activities on Numerical Representations Based on Cognitive Research. Feb. 2008, 355–60.

Insights into Our Understandings of Large Numbers. May 2008, 530–36.

Interpreting the Standard Division Algorithm in a "Candy Factory" Context. Aug. 2007, 25–31.

Solutions to the Sharing Cookies Problem. Mar. 2008, 421–25

Tying It All Together: Classroom Practices That Promote Mathematical Proficiency for All Students. Oct. 2007, 163–69.

Using Your (Number) Sense of Balance. Mar. 2008, 418–20.

Research

Addressing the Needs of Struggling Learners. Feb. 2008, 340–43.

Algebraic Thinking and Pictorial Growth Patterns. Dec.

2007/Jan. 2008, 302-7.

Arithmetic for First Graders Lacking Number Concepts. Mar. 2008, 389–94.

Assessing Students' Understanding through Conversations. Dec. 2007/Jan. 2008, 260–64.

Design of Activities on Numerical Representations Based on Cognitive Research. Feb. 2008, 355–60.

The Educational Value of Tic-Tac-Toe for Four- to Six-Year-Olds. May 2008, 523–27.

Grade-Level Learning Expectations: A New Challenge for Elementary Mathematics Teachers. Aug. 2007, 6–11.

Journeying into Mathematics through Storybooks: A Kindergarten Story. Nov. 2007, 232–37.

Making "Cute" Count. Oct. 2007, 153-59.

Mathematics and the Learning Cycle: How the Brain Works As It Learns Mathematics. Dec. 2007/Jan. 2008, 265–70.

One Elementary School's Journey from Research to Practice. Oct. 2007, 146–51.

Thinking about Learning Trajectories in Preschool. Oct. 2007, 178–81.

Preparing for Problem Solving. Dec. 2007/Jan. 2008, 290–95.

To Draw or Not to Draw: Exploring Children's Drawings for Solving Mathematics Problems. Sept. 2007, 118–25.

To Share or Not to Share—How Is the Question! Sept. 2007, 88–95.

Tying It All Together: Classroom Practices That Promote Mathematical Proficiency for All Students. Oct. 2007, 163–69.

Using Research to Develop Computational Fluency in Young Mathematicians. Oct. 2007, 132–38.

What's Your Angle on Angles? Nov. Dec. 2007/Jan. 2008, 283–87.

Statistics/Data Analysis

An Arts-Based Approach to Teaching Fractions. Sept. 2007, 74–80.

Height in Coins. Oct. 2007, 170–72.

How Many Triangles? Nov. 2007, 214-16.

Solutions to the Making Brownies Problem. Oct. 2007, 173–77.

Solutions to the Shoes for a Pen Pal Problem. Nov. 2007, 217–22.

Solutions to the Terrific Trapezoids Problem. Aug. 2007, 48–51

Teachers Learning about Data Display: Connecting Mathematics and Science Inquiry. Feb. 2008, 375–82.

Using Item Analyses and Instructional Conversations to Improve Mathematics Achievement. Dec. 2007/Jan. 2008, 278–82.

Teachers

Engaging Preservice Teachers and Elementary-Age Children in Transformational Geometry: Tessellating T-Shirts. Sept. 2007, 82–87.

"I Know an Old Lady": Using Children's Literature to Explore Patterns. Nov. 2007, 202–5.

Improving Mathematics Instruction through Classroom-Based Inquiry. Oct. 2007, 182–86.

Interpreting the Standard Division Algorithm in a "Candy Factory" Context. Aug. 2007, 25–31.

- Lesson-Study Groups with Prospective and Practicing Teachers. Apr. 2008, 472–78.
- Shaping Prospective Teachers' Justifications for Computation: Challenges and Opportunities. Sept. 2007, 112–16.
- Teachers Learning about Data Display: Connecting Mathematics and Science Inquiry. Feb. 2008, 375–82.
- Using Research to Develop Computational Fluency in Young Mathematicians. Oct. 2007, 132–38.

Teaching and Learning

- Alice in Numberland: Through the Standards in Wonderland. Apr. 2008, 436–46.
- Design of Activities on Numerical Representations Based on Cognitive Research. Feb. 2008, 355–60.
- Developing Understanding of Fractions through Pattern Blocks and Fair Trade. Oct. 2007, 140–45.
- Engaging Preservice Teachers and Elementary-Age Children in Transformational Geometry: Tessellating T-Shirts. Sept. 2007, 82–87.
- Gaining Insights into Children's Geometric Knowledge. Nov. 2007, 238–45.
- "I Know an Old Lady": Using Children's Literature to Explore Patterns. Nov. 2007, 202–5.
- Insights into Our Understandings of Large Numbers. May 2008, 530–36.
- Instructional Strategies for Teaching Algebra in Elementary School: Findings from a Research-Practice Collaboration. May 2008, 518–22.
- Interpreting the Standard Division Algorithm in a "Candy Factory" Context. Aug. 2007, 25–31.
- Learning Our Way to One Million. Apr. 2008, 448–53.
- Mathematics and the Learning Cycle: How the Brain Works As It Learns Mathematics. Dec. 2007/Jan. 2008, 265–70.
- Memorable Menu Math: The Journey from Teaching Procedurally to Teaching Conceptually. Aug. 2007, 58–60
- A Physical Situation As a Way to Teach Angle. Mar. 2008, 402–7.
- Predictions and Probability. Apr. 2008, 454-63.
- Seeing Students' Knowledge of Fractions: Candace's Inclusive Classroom. Aug. 2007, 52–57.
- Shining Light on Multiplication: A Mathematics Lantern Festival. Sept. 2007, 108–11.
- Storytelling + Origami = Storigami Mathematics. Nov. 2007, 206–12.
- Taking Attendance: A Starting Point for Explorations in Number Sense. Mar. 2008, 414–16.
- Thinking about Learning Trajectories in Preschool. Oct. 2007, 178–81.
- Tiering and Scaffolding: Two Strategies for Providing Access to Important Mathematics. Feb. 2008, 324–30.
- To Share or Not to Share—*How* Is the Question! Sept. 2007, 88–95.
- Watch What You Say. Dec. 2007/Jan. 2008, 296-301.

Technology

- The Power of String: Building a Conceptual Foundation for Measuring Rate. Aug. 2007, 18–24.
- Why Math Blogs? Feb. 2008, 331–35. ▲