

INDEX

Volumes 13 and 14, 1982-83

ARTICLES

- ARMSTRONG, JANE, and PRICE, RICHARD A. Correlates and Predictors of Women's Mathematics Participation. March 1982, 99-109.
- AUSTIN, JOE DAN. *See* Schultz, Karen A.
- BALLEW, HUNTER, and CUNNINGHAM, JAMES W. Diagnosing Strengths and Weaknesses of Sixth-Grade Students in Solving Word Problems. May 1982, 202-210.
- BAROODY, ARTHUR J.; GINSBURG, HERBERT P.; and WAXMAN, BARBARA. Children's Use of Mathematical Structure. May 1983, 156-168.
- BATTISTA, MICHAEL T.; WHEATLEY, GRAYSON H.; and TALSMA, GARY. The Importance of Spatial Visualization and Cognitive Development for Geometry Learning in Preservice Elementary Teachers. November 1982, 332-340.
- BEHR, MERLYN. *See* Khoury, Helen Adi.
- BESTGEN, BARBARA J. *See* Reys, Robert E.
- CARPENTER, THOMAS P. *See* Hiebert, James.
- CLEMENT, JOHN. Algebra Word Problem Solutions: Thought Processes Underlying a Common Misconception. January 1982, 16-30.
- CLEMENTS, M. A. Careless Errors Made by Sixth-Grade Children on Written Mathematical Tasks. March 1982, 136-144.
- COBB, PAUL, and STEFFE, LESLIE P. The Constructivist Researcher as Teacher and Model Builder. March 1983, 83-94.
- COOK, CATHY J., and DOSSEY, JOHN A. Basic Fact Thinking Strategies for Multiplication—Revisited. May 1982, 163-171.
- CUEVAS, GILBERTO. *See* Llabre, Maria M.
- CUNNINGHAM, JAMES W. *See* Ballew, Hunter.
- DOSSEY, JOHN A. *See* Cook, Cathy J.
- DREYFUS, TOMMY, and EISENBERG, THEODORE. Intuitive Functional Concepts: A Baseline Study on Intuitions. November 1982, 360-380.
- EISENBERG, THEODORE. *See* Dreyfus, Tommy.
- FEGHALI, ISSA. *See* Wheeler, Margariete Montague.
- FLEXER, BARBARA K. *See* Roberge, James J.
- FUSON, KAREN C. *See* Secada, Walter G.
- GAGNE, ROBERT M. Some issues in the Psychology of Mathematics Instruction. January 1983, 7-18.
- GATES, HAROLD. *See* Marrett, Cora Bagley.
- GINSBURG, HERBERT P. *See* Baroody, Arthur J.
- GOLDSMITH, LYNN T. *See* Siegel, Alexander W.
- HALADYNA, TOM; SHAUGHNESSY, JOAN; and SHAUGHNESSY, J. MICHAEL. A Causal Analysis of Attitude Toward Mathematics. January 1983, 19-29.
- HALL, JAMES W. *See* Secada, Walter G.
- HIEBERT, JAMES. The Position of the Unknown Set and Children's Solutions of Verbal Arithmetic Problems. November 1982, 341-349.
- HIEBERT, JAMES; CARPENTER, THOMAS P.; and MOSER, JAMES M. Cognitive Development and Children's Solutions to Verbal Arithmetic Problems. March 1982, 83-98.
- HUNTING, ROBERT P. Alan: A Case Study of Knowledge of Units and Performance with Fractions. May 1983, 182-197.
- JACKSON, MICHAEL B., and PHILLIPS, E. RAY. Vocabulary Instruction in Ratio and Proportion for Seventh Graders. November 1983, 337-343.
- KHOURY, HELEN ADI, and BEHR, MERLYN. Student Performance, Individual Differences, and Modes of Representation. January 1982, 3-15.

- KOOP, JANICE. Calculator Use in the Community College Arithmetic Course. January 1982, 50-60.
- KRAUS, WILLIAM H. The Use of Problem-Solving Heuristics in the Playing of Games Involving Mathematics. May 1982, 172-182.
- LEDER, GILAH C. Mathematics Achievement and Fear of Success. March 1982, 124-135.
- LEE, KIL S. Fourth Graders' Heuristic Problem-Solving Behavior. March 1982, 110-123.
- LEVINE, DEBORAH R. Strategy Use and Estimation Ability of College Students. November 1982, 350-359.
- LINN, MARCIA C., and PULOS, STEVEN. Aptitude and Experience Influences on Proportional Reasoning During Adolescence: Focus on Male-Female Differences. January 1983, 30-46.
- LLABRE, MARIA M., and CUEVAS, GILBERTO. The Effects of Test Language and Mathematical Skills Assessed on the Scores of Bilingual Hispanic Students. November 1983, 318-324.
- MADSON, CAMILLA R. *See* Siegel, Alexander W.
- MARRETT, CORA BAGLEY, and GATES, HAROLD. Male-Female Enrollment across Mathematics Tracks in Predominantly Black High Schools. March 1983, 113-118.
- MARSHALL, SANDRA P. Sex Differences in Mathematical Errors: An Analysis of Distracter Choices. November 1983, 325-336.
- MAYBERRY, JOANNE. The Van Hiele Levels of Geometric Thought in Undergraduate Perservice Teachers. January 1983, 58-69.
- MOSER, JAMES M. *See* Hiebert, James.
- PHILLIPS, E. RAY. *See* Jackson, Michael B.
- POTHIER, YVONNE, and SAWADA, DAIYO. Partitioning: The Emergence of Rational Number Ideas in Young Children. November 1983, 307-317.
- PRICE, RICHARD A. *See* Armstrong, Jane.
- PULOS, STEVEN. *See* Linn, Marcia C.
- QUINTERO, ANA H. Conceptual Understanding in Solving Two-Step Word Problems with a Ratio. March 1983, 102-112.
- REYS, ROBERT E.; RYBOLT, JAMES F.; BESTGEN, BARBARA J.; and WYATT, J. WENDELL. Processes Used by Good Computational Estimators. May 1982, 183-201.
- ROBERGE, JAMES J., and FLEXER, BARBARA K. Cognitive Style, Operativity, and Mathematics Achievement. November 1983, 344-353.
- RYBOLT, JAMES F. *See* Reys, Robert E.
- SAWADA, DAIYO. *See* Pothier, Yvonne.
- SCHOENFELD, ALAN H. Measures of Problem-Solving Performance and of Problem-Solving Instruction. January 1982, 31-49.
- SCHULTZ, KAREN A., and AUSTIN, JOE DAN. Directional Effects in Transformation Tasks. March 1983, 95-101.
- SECADA, WALTER G.; FUSON, KAREN C.; and HALL, JAMES W. The Transition from Counting-All to Counting-On in Addition. January 1983, 47-57.
- SHAUGHNESSY, JOAN. *See* Haladyna, Tom.
- SHAUGHNESSY, J. MICHAEL. *See* Haladyna, Tom.
- SIEGEL, ALEXANDER W.; GOLDSMITH, LYNN T.; and MADSON, CAMILLA R. Skill in Estimation Problems of Extent and Numerosity. May 1982, 211-232.
- SOWDER, LARRY. *See* Threadgill-Sowder, Judith.
- STEFFE, LESLIE P. *See* Cobb, Paul.
- SUYDAM, MARILYN N. Research on Mathematics Education Reported in 1981. July 1982, 241-318.
- SUYDAM, MARILYN N. Research on Mathematics Education Reported in 1982. July 1983, 227-301.
- SZETELA, WALTER. Story Problem Solving in Elementary School Mathematics: What Differences Do Calculators Make? November 1982, 381-389.
- TALSMA, GARY. *See* Battista, Michael T.
- THREADGILL-SOWDER, JUDITH, and SOWDER, LARRY. Drawn Versus Verbal Formats for Mathematical Story Problems. November 1982, 324-331.
- TURNAU, STEFAN. Dissertations in Mathematics Education at the Higher School of Education in Cracow, 1968 to 1981: An Annotated Bibliography. November 1983, 354-360.
- WAXMAN, BARBARA. *See* Baroody, Arthur J.
- WHEATLEY, GRAYSON H. *See* Battista, Michael T.

- WHEELER, MARGARIETE MONTAGUE, and FEGHALI, ISSA. Much Ado About Nothing: Preservice Elementary School Teachers' Concept of Zero. May 1983, 147-155.
- WOLLMAN, WARREN. Determining the Sources of Error in a Translation from Sentence to Equation. May 1983, 169-181.
- WYATT, J. WENDELL. See Reys, Robert E.

BRIEF REPORTS

- BAROODY, ARTHUR J., and PRICE, JOYCE. The Development of the Number-Word Sequence in the Counting of Three-Year-Olds. November 1983, 361-368.
- CARNINE, DOUGLAS, and GERSTEN, RUSSELL. Effective Mathematics Instruction for Low-Income Students: Results of Longitudinal Field Research in 12 School Districts. March 1982, 145-152.
- GERSTEN, RUSSELL. See Carnine, Douglas.
- JOHNSON, ROGER A. See Rudisill, E. Murray.
- JONES, GRAHAM A. See Thornton, Carol A.
- PERL, TERI HOCH. Discriminating Factors and Sex Differences in Electing Mathematics. January 1982, 66-74.
- PRICE, JOYCE. See Baroody, Arthur J.
- RUDISILL, E. MURRAY; YARBOROUGH, BETTY H.; and JOHNSON, ROGER A. Nongraded Instruction, Mathematics Ability, and Mathematics Achievement in Elementary Schools. January 1982, 61-66.
- SAWADA, DAIYO. Multisensory Information Matching Ability and Mathematics Learning. November 1982, 390-394.
- THORNTON, CAROL A.; JONES, GRAHAM A.; and TOOHEY, MARGARET A. A Multisensory Approach to Thinking Strategies for Remedial Instruction in Basic Addition Facts. May 1983, 198-203.
- TOOHEY, MARGARET A. See Thornton, Carol A.
- YARBOROUGH, BETTY H. See Rudisill, E. Murray.

FORUM FOR RESEARCHERS

- HART, KATHLEEN M. I Know What I Believe; Do I Believe What I Know? March 1983, 119-125.
- MATTHEWS, WESTINA. Coloring the Equation: Minorities and Mathematics. January 1983, 70-72.

CRITIQUES

- BLAKE, RICK N. See Steffe, Leslie P.
- CARPENTER, THOMAS P. See Hiebert, James.
- COBB, PAUL. See Steffe, Leslie P.
- GAGNÉ, ROBERT M. A Reply to Critiques of Some Issues in the Psychology of Mathematics Instruction. May 1983, 214-216.
- HIEBERT, JAMES; CARPENTER, THOMAS P.; and MOSER, JAMES M. Cognitive Skills and Arithmetic Performance: A Reply to Steffe and Cobb. January 1983, 77-79.
- MOSER, JAMES M. See Hiebert, James.
- STEFFE, LESLIE P., and BLAKE, RICK N. Seeking Meaning in Mathematics Instruction: A Response to Gagné. May 1983, 210-213.
- STEFFE, LESLIE P., and COBB, PAUL. Cognitive Development and Children's Solutions to Verbal Arithmetic Problems: A Critique. January 1983, 74-76.
- WACHSMUTH, IPKE. Skill Automaticity in Mathematics Instruction: A Response to Gagné. May 1983, 204-209.

REVIEWS

- BUXTON, LAURIE. *Do You Panic about Maths? Coping with Maths Anxiety*. (Joanne Rossi Becker) March 1983, 126-129.
- CARPENTER, THOMAS P.; MOSER, JAMES M.; and ROMBERG, THOMAS A. (Eds.). *Addition and Subtraction: A Cognitive Perspective*. (Joseph N. Payne) March 1983, 129-133; (Diane J. Briars) March 1983, 134-138.

- DRISCOLL, MARK. *Research Within Reach: Secondary School Mathematics*. (Douglas E. Scott) May 1983, 217-218.
- HOWSON, G.; KEITEL, C.; and KILPATRICK, J. *Curriculum Development in Mathematics*. (James T. Fey) March 1982, 153-156; (David Wheeler) March 1982, 156-160.
- KIEREN, T. E. (Ed.). *Recent Research on Number Learning*. (Merlyn Behr) November 1982, 395-398.
- LESTER, FRANK K., JR., and GAROFALO, JOE (Eds.). *Mathematical Problem Solving: Issues in Research*. (James W. Wilson) March 1983, 138-139.
- LINDQUIST, M. M. (Ed.). *Selected Issues in Mathematics Education*. (Thomas J. Cooney) January 1982, 75-78.
- RESNICK, L. B., and FORD, W. W. *The Psychology of Mathematics for Instruction*. (Frances R. Curcio) May 1982, 233-235; (James M. Moser) May 1982, 235-238.
- SKEMP, RICHARD R. (Ed.). *Understanding the Symbolism of Mathematics*. (Geoffrey Howson) November 1983, 369.

REVIEWERS

- BECKER, JOANNE ROSSI. March 1983, 126-129.
- BEHR, MERLYN. November 1982, 395-398.
- BRIARS, DIANE J. March 1983, 134-138.
- COONEY, THOMAS J. January 1982, 75-78.
- CURCIO, FRANCES R. May 1982, 233-235.
- FEY, JAMES T. March 1982, 153-156.
- HOWSON, GEOFFREY. November 1983, 369.
- MOSER, JAMES M. May 1982, 235-238.
- PAYNE, JOSEPH N. March 1983, 129-133.
- SCOTT, DOUGLAS E. May 1983, 217-218.
- WHEELER, DAVID. March 1982, 156-160.
- WILSON, JAMES W. March 1983, 138-139.

CORRESPONDENTS



- FENNEMA, ELIZABETH. November 1983, 376.
- GREENWOOD, JAY. November 1982, 349.
- HOPKINS, MARTHA H. November 1982, 394, inside back cover.
- MITCHELL, CHARLES E. March 1983, 143.
- USISKIN, ZALMAN. November 1983, 376.
- YACKEL, ERNA. November 1982, 349, 394.

NOTES AND NOTICES

- Abstracts of Future Articles: January 1982, inside back cover.
March 1982, inside back cover.
- Acknowledgment: November 1983, 377-380.
- Announcements: January 1982, 60, 74.
March 1982, 144, 152, 160.
May 1982, 182, 201, inside back cover.
November 1982, 340, 380, 389.
January 1983, inside back cover.
March 1983, 144-inside back cover.
May 1983, 222.
July 1983, 302.
November 1983, 374-375.
- Editorials: (James W. Wilson) November 1982, 323.
(Jeremy Kilpatrick) January 1983, 2.
(Jeremy Kilpatrick) March 1983, 82.
(Laurie Hart Reyes) May 1983, 146.
(Jeremy Kilpatrick) July 1983, 226.
(Jeremy Kilpatrick) November 1983, 306.

Information for Contributors: (JRME Editorial Board) January 1983, 3-6.

Telegraphic Reviews: January 1982, 79-80.
 May 1982, 239-240.
 November 1982, 399-400.
 January 1983, 80.
 March 1983, 140-141.
 May 1983, 219-221.
 November 1983, 370-373.

 NCTM EDUCATIONAL MATERIALS 				
1906 Association Drive		Reston, VA 22091		(703) 620-9840
NCTM Products Advertised in this Periodical	Stock #	Quantity	Unit Price	Total Price
20% Discount. Individual members, bookstores or quantity orders for 10 or more copies of a single title shipped to one address. Prices subject to change without notice. Virginia residents add 4% sales tax.			SUBTOTAL \$	
			Less 20%	
JOURNAL FOR RESEARCH IN MATHEMATICS EDUCATION	Individual Members	1	\$12.00	
	Other		Other Countries \$13.50	
			\$15.00	
			Other Countries \$16.50	
			TOTAL \$	
<input type="checkbox"/> Payment to NCTM in U.S. funds enclosed <input type="checkbox"/> MasterCard <input type="checkbox"/> VISA				
Credit Card # _____		Expiration Date _____		
Signature _____		Membership # _____		
Name _____				
Address _____				
City _____		State _____		ZIP _____
		or Province		or Postal Code

783A3