(500)

Volume 20, 1989

ARTICLES

ADETULA, LAWAL O. Solutions of Simple Word Problems by Nigerian Children: Language and Schooling Factors. November, 489–497.

BAROODY, ARTHUR J. Kindergartners' Mental Addition With Single-Digit Combinations. March, 159–172.

BATTISTA, MICHAEL T. See Clements, Douglas H.

BECKER, JOSEPH. See Saxe, Geoffrey B.

BELL, ALAN, GREER, BRIAN, GRIMISON, LINDSAY, AND MANGAN, CLARE. Children's Performance on Multiplicative Word Problems: Elements of a Descriptive Theory. November, 434-449.

BETZ, NANCY E. See Hackett, Gail.

BLANDO, JOHN A., KELLY, ANTHONY E., SCHNEIDER, BETH R., and SLEEMAN, D. Analyzing and Modeling Arithmetic Errors. May, 301–308.

BRINDLEY, SELWYN. See Harrison, Bruce.

BYE, MARSHALL P. See Harrison, Bruce.

CLEMENTS, DOUGLAS H., and BATTISTA, MICHAEL T. Learning of Geometric Concepts in a Logo Environment. November, 450–467.

COOPER, MARTIN, and SWELLER, JOHN. Secondary School Students' Representations of Solids. March, 202–212.

CROSSWHITE, F. JOE, DOSSEY, JOHN A., AND FRYE, SHIRLEY M. NCTM Standards for School Mathematics: Visions for Implementation. November, 513–522.

DOSSEY, JOHN A. See Crosswhite, F. Joe.

DREYFUS, TOMMY. See Vinner, Shlomo.

FRASER, BARRY J., MALONE, JOHN A., and NEALE, JILLIAN M. Assessing and Improving the Psychosocial Environment of Mathematics Classrooms. March, 191–201.

FRYE, SHIRLEY M. See Crosswhite, F. Joe.

GREER, BRIAN. See Bell, Alan.

GRIMISON, LINDSAY. See Bell, Alan.

HACKETT, GAIL, and BETZ, NANCY E. An Exploration of the Mathematics Self-Efficacy/Mathematics Performance Correspondence. May, 261–273.

HAREL, GUERSHON. See Martin, W. Gary.

HARRISON, BRUCE, BRINDLEY, SELWYN, and BYE, MARSHALL P. Allowing for Student Cognitive Levels in the Teaching of Fractions and Ratios. May, 288–300.

HART, LAURIE E. Classroom Processes, Sex of Student, and Confidence in Learning Mathematics. May, 242–260.

KELLY, ANTHONY E. See Blando, John A.

KIRSHNER, DAVID. The Visual Syntax of Algebra. May, 274-287.

KOUBA, VICKY L. Children's Solution Strategies for Equivalent Set Multiplication and Division Word Problems. March, 147–158.

LEINHARDT, GAEA. Math Lessons: A Contrast of Novice and Expert Competence. January, 52–75. LEONARD, FRANCOIS. See Resnick, Lauren B.

LINN, ROBERT L. See Miller, M. David.

McDONALD, JANET L. Cognitive Development and the Structuring of Geometric Content. January, 76–94.

MAGONE, MARIA. See Resnick, Lauren B.

MALONE, JOHN A. See Fraser, Barry J.

MANGAN, CLARE. See Bell, Alan.

MARTIN, W. GARY, and HAREL, GUERSHON. Proof Frames of Preservice Elementary Teachers. January, 41–51.

MILLER, M. DAVID, and LINN, ROBERT L. Cross-National Achievement With Differential Retention Rates. January, 28–40.

NEALE, JILLIAN M. See Fraser, Barry J.

NESHER, PEARLA. See Resnick, Lauren B.

OMANSON, SUSAN. See Resnick, Lauren B.

PELED, IRIT. See Resnick, Lauren B.

RAPHAEL, DENNIS, and WAHLSTROM, MERLIN. The Influence of Instructional Aids on Mathematics Achievement. March, 173–190.

RESEARCH ADVISORY COMMITTEE OF THE NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS. The Mathematics Education of Underserved and Underrepresented Groups: A Continuing Challenge. July, 371–375.

RESNICK, LAUREN B., NESHER, PEARLA, LEONARD, FRANCOIS, MAGONE, MARIA, OMANSON, SUSAN, and PELED, IRIT. Conceptual Bases of Arithmetic Errors: The Case of Decimal Fractions. January, 8–27.

SADEGHPOUR, MOJDEH. See Saxe, Geoffrey B.

SAXE, GEOFFREY B., BECKER, JOSEPH, SADEGHPOUR, MOJDEH, and SICILIAN, STEVEN. Developmental Differences in Children's Understanding of Number Word Conventions. November, 468–488.

SCHNEIDER, BETH R. See Blando, John A.

SCHOENFELD, ALAN H. Explorations of Students' Mathematical Beliefs and Behavior. July, 338-355.

SENK, SHARON L. Van Hiele Levels and Achievement in Writing Geometry Proofs. May, 309–321. SICILIAN, STEVEN. See Saxe, Geoffrey B.

SLEEMAN, D. See Blando, John A.

SOWDER, JUDITH T., and WHEELER, MARGARIETE M. The Development of Concepts and Strategies Used in Computational Estimation. March, 130–146.

SOWELL, EVELYN J. Effects of Manipulative Materials in Mathematics Instruction. November, 498-505.

STIFF, LEE V. Effects of Teaching Strategy, Relevant Knowledge, and Strategy Length on Learning a Contrived Mathematical Concept. May, 227–241.

SUYDAM, MARILYN N. Research on Mathematics Education Reported in 1988. July, 379-426.

SWELLER, JOHN. See Cooper, Martin.

VINNER, SHLOMO, and DREYFUS, TOMMY. Images and Definitions for the Concept of Function. July, 356–366.

WAHLSTROM, MERLIN. See Raphael, Dennis.

WHEELER, MARGARIETE M. See Sowder, Judith T.

BRIEF REPORTS

BEHR, MERLYN J. See Cramer, Kathleen A.

CRAMER, KATHLEEN A., POST, THOMAS R., AND BEHR, MERLYN J. Cognitive Restructuring Ability, Teacher Guidance, and Perceptual Distracter Tasks: An Aptitude-Treatment Interaction Study. January, 103–110.

GLOVER, ROSEANNE. See Graeber, Anna O.

GRAEBER, ANNA O., TIROSH, DINA, and GLOVER, ROSEANNE. Preservice Teachers' Misconceptions in Solving Verbal Problems in Multiplication and Division. January, 95–102.

POST, THOMAS R. See Cramer, Kathleen A.

TIROSH, DINA. See Graeber, Anna O.

A FORUM FOR RESEARCHERS

OWEN, ELIZABETH, and SWELLER, JOHN. Should Problem Solving Be Used as a Learning Device in Mathematics? May, 322–328.

SWELLER, JOHN. See Owen, Elizabeth.

REVIEWS

BISHOP, ALAN J. Mathematical Enculturation: A Cultural Perspective on Mathematics Education. (James W. Stigler) July, 367–370.

COCKING, RODNEY R., and MESTRE, JOSE P. (Eds.). Linguistic and Cultural Influences on Learning Mathematics. (Gilbert J. Cuevas) May, 329–332.

FISCHBEIN, EFRAIM. Intuition in Science and Mathematics. (Paul Cobb) March, 213-218.

FUSON, KAREN C. Children's Counting and Concepts of Number (Douglas H. Clements) January, 111-119.

STEFFE, LESLIE P., and COBB, PAUL. Construction of Arithmetical Meanings and Strategies (Douglas H. Clements) January, 111-119.

REVIEWERS

CLEMENTS, DOUGLAS H. January, 111–119. COBB, PAUL. March, 213–218. CUEVAS, GILBERT J. May, 329–332. STIGLER, JAMES W. July, 367–370.

CORRESPONDENTS

CSONGOR, JULIANNA. January, 122. FRIEND, JAMESINE E. March, 221.

NOTES AND NOTICES

Acknowledgment: November, 508-509.

Editorials: (Thomas P. Carpenter) January, 2.

(Thomas P. Carpenter) May, 226.

Information for Contributors: (JRME Editorial Board) January, 3-7.

1989 NCTM Election Results: July, 427-430.