

teaching children mathematics



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features

76 Toy Stories: Modeling Rates

Patricia E. Swanson

Using wind-up toys to compare distance over time gave these children a stake in understanding how the numbers make sense.

84 The Richness of Children's Fraction Strategies

Reflect and Discuss

*Laura B. Kent, Susan B. Empson,
and Lynne Nielsen*

Fifth graders explore approaches to solving a division-of-fractions problem introduced within the context of hot chocolate servings.

92 Just Say Yes to Early Algebra!

*Ana Stephens, Maria Blanton,
Eric Knuth, Isil Isler, and
Angela Murphy Gardiner*

Researchers find that these classroom activities and instructional strategies support the development of third-grade students' algebraic thinking.

102 Division Quilts: A Measurement Model

*Sarah S. Pratt, Tina M. Lupton,
and Kerri Richardson*

Students can create an image of the measurement model of division as an alternative to the long-division algorithm.

OLHA_AFNASIEVA/THINKSTOCK



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A sheet of task cards and a student activity sheet for "Toy Stories: Modeling Rates," **p. 76**

Student examples and lessons 2 and 3 from the 5E lesson plan in "Division Quilts: A Measurement Model," **p. 102**

A full-size hundred chart, partial hundred charts, and challenge cards for Problem Solvers, "Hundred Chart Challenge," **p. 65**

remainders

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in the next issue

+ The annual October Focus Issue is all about examining the mathematics that lies "Between the Wholes: Promoting Fraction and Decimal Understanding." This issue will present a developmental series of instructional ideas in fractions and decimals—a strong set of informative, interesting, and influential ideas for the classroom. For a sneak preview, read "The Richness of Children's Fraction Strategies," by Laura B. Kent, Susan B. Empson, and Lynne Nielsen, which begins on page 84 in the current issue.