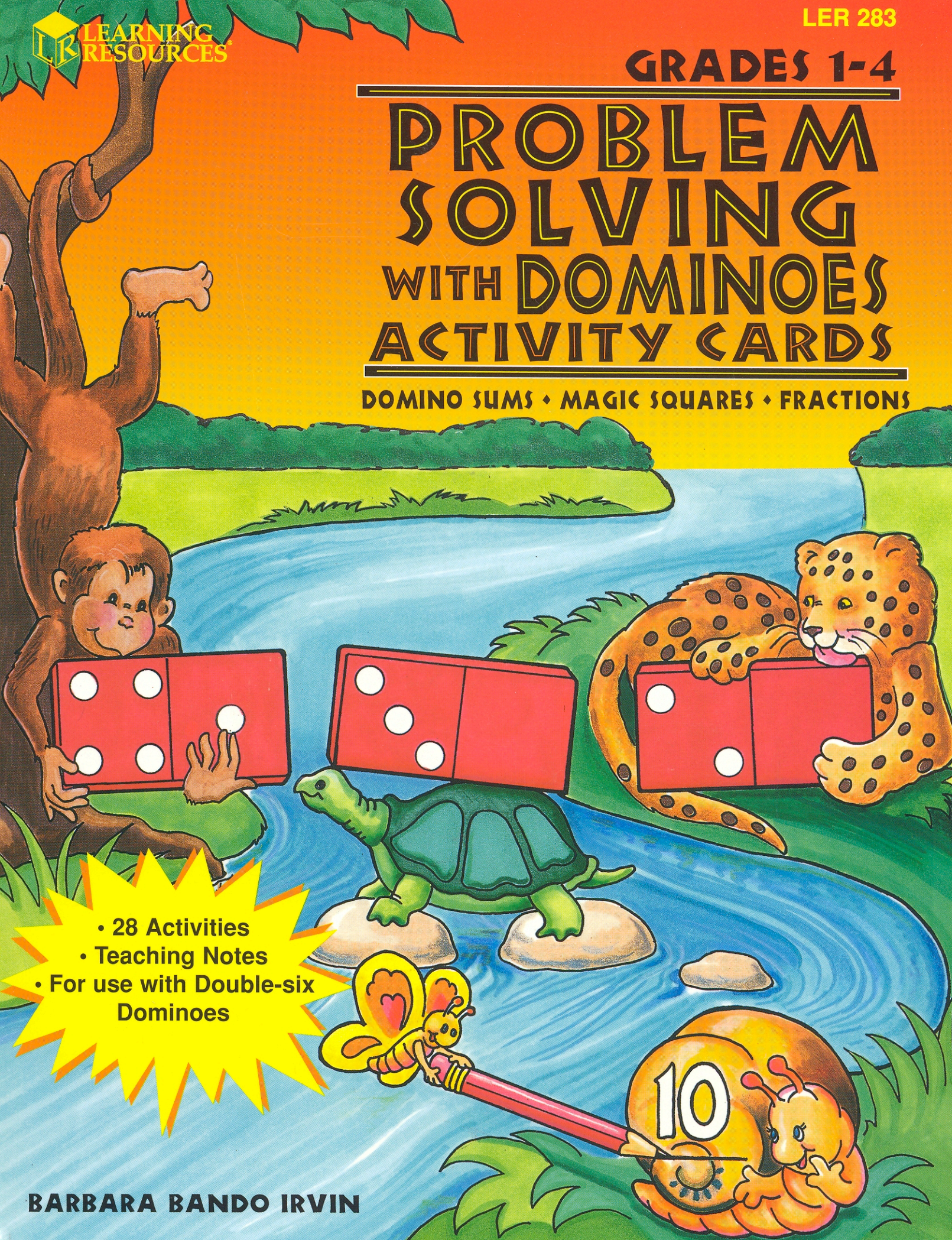


GRADES 1-4

PROBLEM SOLVING WITH DOMINOES ACTIVITY CARDS

DOMINO SUMS • MAGIC SQUARES • FRACTIONS

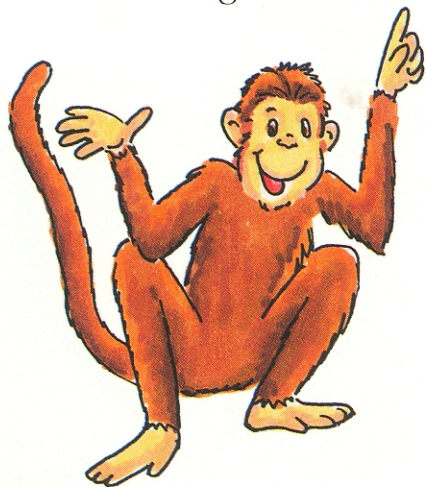
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- 28 Activities
 - Teaching Notes
 - For use with Double-six Dominoes

BARBARA BANDO IRVIN

PROBLEM SOLVING WITH DOMINOES

ACTIVITY CARDS

Teaching Notes

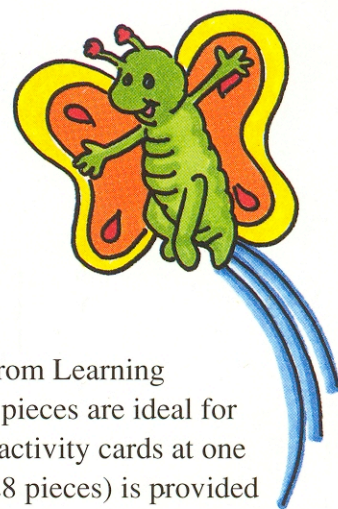


solving skills.

For the first seven cards, ask children to repeat the activities so that children can practice finding sums and differences quickly. This initial preparation will help children become numerically flexible for more challenging activities on cards 8 through 12. Proceed with cards 13 and 14 to explore fractional number concepts including equivalence, values between 0 and 1 and numerators and denominators.

ASSESSMENT. Evaluate children's progress by asking them to say or write an addition or subtraction problem for selected dominoes. Focus on children's thinking, understanding of mathematical ideas and problem-solving strategies.

Problem Solving with Dominoes Activity Cards provide an interesting way to challenge children in problem-solving activities using a set of double-six dominoes. The cards also help reinforce basic math facts and computation skills. Students learn to guess and check, find a pattern, work backward, and develop logical reasoning.



You will need a set of double-six dominoes available from Learning Resources (LER 285). The six sets of brightly-colored pieces are ideal for classroom use and allow six children to work with the activity cards at one time. A blackline master set of double-six dominoes (28 pieces) is provided on card 15b for children who wish to make their own domino sets.

GETTING STARTED. Allow time for children to familiarize themselves with the set of dominoes. Ask them about the dots on each piece. Ask if anyone knows how to play the game of dominoes. Observe and listen to children as they manipulate the pieces. Some may make domino trains, while others may associate the pieces with addition facts they know.

USING THE ACTIVITY CARDS. Before beginning each activity, suggest that children put the dominoes in numerical order from zero-zero to six-six, so they can find the domino pieces easily. Read and review the directions on each card. (Note: The objective of each activity is noted in the upper right-hand corner.) Several activities encourage children to say and write addition or subtraction problems for each domino or group of dominoes. Some activity cards offer extra challenges to build more complex problem-

SUMMARY OF ACTIVITIES

Addition and Subtraction Basic Facts.....	Cards 1, 2, 3, 4
Larger Domino Sums	Cards 5, 6, 7
Snakes, Sum Squares, Magic Squares	Cards 8, 9, 10, 11, 12
Fractions	Cards 13, 14

