Contents

INTRODUCTION

- What is Math Detective?
- Key Ideas and Math Topics Charts
- Scoring Rubric/Assessment Criteria
- To the Student: Why You Should Become a Math Detective
- Sample Problem: The Camping Trip
- Math Detective Certificate

NUMBER AND NUMERATION

- The Train Ride
- Who's Who
- Well Rounded
- The Inca Quipu
- At the Arcade
- The Sieve of Eratosthenes
- Miguel's Memory Games
- A Walk Through the Park
- Mrs. Sanchez's Four Children

OPERATIONS

- Off to the Movies!
- The Parking Lot Problem
- The Potato Race
- The Camping Trails
- The Mystery Fraction
- The Rainy Week
- The Best Pancake Recipe
- The 2002 State Shopping Spree

GEOMETRY

- Angle Billboards
- Trip to the Game
- The Perennial Garden
- The Quadrilateral Factory
- The Toy Box Project
- The Case of the Missing Money
- The Math Teachers' Room

PROBABILITY

- Sum of Six
- The Buttons
- The Spinner Game
- The Game of Dish
- The Breakfast Special

STATISTICS

- The Great Goldfish Giveaway
- Jameel's Math Scores
- Cody's Homework Graph
- Temperature Tale of Two Cities
- Making Money Mowing
- The World Record Fish Reports

PRE-ALGEBRA

- The King Orders the Operations!
- Symbol Says
- The Case of the Missing Numbers
- The Busy Elevator
- The Function Machines Go Nuts!

ANSWERS

TEACHER NOTES