



# NAMC Lower Elementary (6-9) Demonstration Videos

## Math I — Whole Numbers

### DVD 1

#### ● THE BASIC OPERATIONS

##### Addition

- Activity 1: Finding Sums on the Addition Strip Board
- Activity 2: Finding Essential Combinations on the Addition Strip Board
- Activity 3: Adding with Zero on the Addition Strip Board
- Activity 4: Doubling Addends on the Addition Strip Board
- Activity 10: Addition Snake Game

##### Subtraction

- Activity 1: Using the Subtraction Strip Board
- Activity 6: Subtraction Snake Game

##### Multiplication

- Demonstration: Multiplication Bead Board
- Activity 1: Using the Multiplication Bead Board
- Activity 2: Finding Combinations of Numbers on the Multiplication Bead Board
- Activity 8: Skip Counting Using the Short Bead Chain
- Activity 9: Skip Counting Using the Long Bead Chain
- Activity 10: Building the Decanomial Vertically
- Activity 10: Building the Decanomial Horizontally
- Activity 11: Building the Decanomial Diagonally

##### Division

- Activity 1: Unit Division Board Demonstration
- Activity 2: Using the Unit Division Board

## ● MULTIPLICATION AND DIVISION: MOVING TOWARD ABSTRACTION

### Multiples and Factors

- Demonstration: Colored Bead Bars
- Activity 1: Finding Multiples Using Colored Bead Bars
- Demonstration: Algebraic Pegboard
- Activity 2: Learning About Multiples Using the Algebraic Pegboard
- Activity 3: Finding the Lowest Common Multiple Using the Algebraic Pegboard
- Activity 7: Learning About Factors Using the Algebraic Pegboard
- Activity 9: Identifying Prime Factors Using the Algebraic Pegboard

### Division with the Golden Bead Material

- Demonstration: Golden Bead Material
- Activity 1: Doing Division with the Golden Beads, Dividing Units by Units
- Activity 1: Doing Division with the Golden Beads, Dividing Tens by Units
- Activity 2: Practicing Division with the Golden Bead Material
- Activity 3: Dividing a 3-Digit Dividend by a 2-Digit Divisor with the Golden Bead Material

## DVD 2

## ● HIERARCHIES OF NUMBERS

### Small Bead Frame

- Demonstration: Small Bead Frame
- Activity 1: Exploring the Small Bead Frame
- Activity 2: Using the Small Bead Frame and Notation Paper
- Activity 3: Adding with the Small Bead Frame
- Activity 4: Adding with Exchanging, Using the Small Bead Frame
- Activity 5: Subtracting Using the Small Bead Frame
- Activity 6: Subtracting with Exchanging, Using the Small Bead Frame
- Activity 7: Multiplying with the Small Bead Frame

### Large Bead Frame

- Demonstration: Large Bead Frame
- Activity 8: Exploring the Large Bead Frame
- Activity 9: Using the Large Bead Frame and Notation Paper
- Activity 10: Multiplying with the Large Bead Frame

### Flat Bead Frame

- Demonstration: Flat Bead Frame
- Activity 11: Exploring the Flat Bead Frame
- Activity 12: Multiplying by a 1-Digit Multiplier Using the Flat Bead Frame

## DVD 3

### Place Value Multiplication

- Demonstration: Checkerboard
- Activity 1: Exploring the Checkerboard, Introducing the Material
- Activity 1: Exploring the Checkerboard, Year 2
- Activity 1: Exploring the Checkerboard, Year 3
- Activity 1: Exploring the Checkerboard, Reading Numbers on the Checkerboard
- Activity 1: Exploring the Checkerboard, Adding Numbers on the Checkerboard
- Activity 2: Multiplying by a 1-Digit Multiplier, Using the Checkerboard
- Activity 3: Multiplying by a 2-Digit Multiplier, Using the Checkerboard
- Activity 5: Multiplying a 4-Digit Number by a 1-Digit Multiplier, Using the Bank Game

### Long Division

- Demonstration: Long Division Material
- Activity 1: Exploring the Long Division Material
- Activity 2: Dividing by 1-Digit Numbers without Remainders, Using the Long Division Material
- Activity 3: Dividing by 1-Digit Numbers with Remainders, Using the Long Division Material
- Activity 4: Dividing by 2-Digit Numbers, Using the Long Division Material