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THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2002



MathAmigo™

**Correlation to
NCTM Math Standards**

K-4

MathAmigo

Powerful software for handheld computers
with desktop management system for
planning and assessment.



Links to NCTM Standards

The NCTM Standards subdivide into
the following strands:

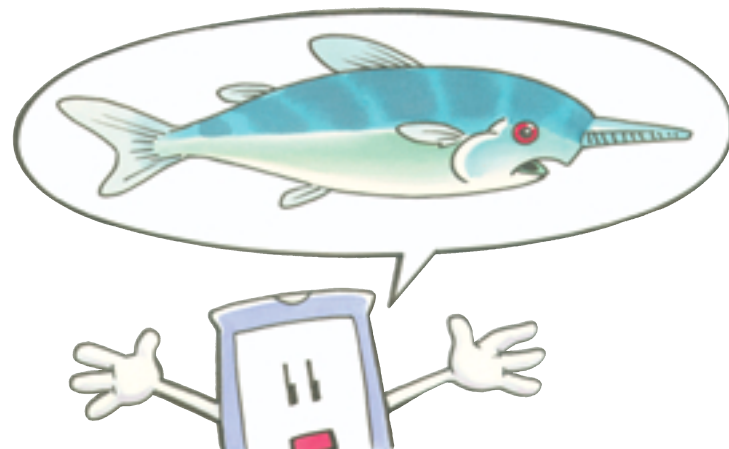
- Estimation
- Concepts of Whole Number
- Operations
- Number Sense & Numeration
- Whole Number Computation
- Geometry & Spatial Sense
- Measurement
- Statistics & Probability
- Fractions & Decimals
- Patterns & Relationship



The booklet shows how MathAmigo
activities link to these strands.



Estimation

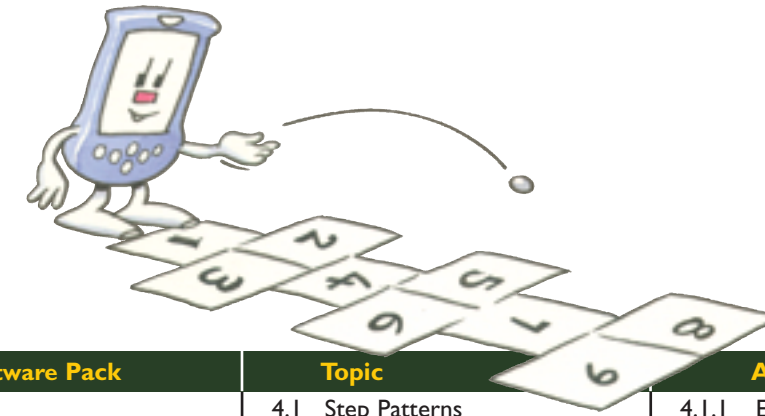


Software Pack	Topic	Activity
3 Estimating & Rounding	3.1 Estimating Objects	3.1.1 Estimate 10 Objects
		3.1.2 Systematic Estimation
		3.1.3 Calculated Guess
		3.1.4 Estimate Piles
		3.1.5 Estimate 100 Objects
		3.1.6 Guessing Game
	3.2 Estimating Within Limits	3.2.1 More or Less
		3.2.2 Over and Under
	3.3 Estimating Measures	3.3.1 How Full Is It?
		3.3.2 Can You Fill the Tray?
		3.3.3 How Far?
		3.3.4 How Far to Go?
		3.3.5 How Many Fit In?
	3.4 Estimating Numbers	3.4.1 Nearest Number
		3.4.2 Nearest Negative Number
		3.4.3 Where On a Line?
		3.4.4 Where On a Negative Line?
	3.5 Estimated Calculations	3.5.1 Nearest Addition
		3.5.2 Nearest Subtraction
	3.6 Rounding	3.6.1 Round Down
		3.6.2 Round Up
		3.6.3 Round Up or Down
		3.6.4 Rounding (+,-)
		3.6.5 Rounding (x,÷)
7 Fractions & Decimals 1	7.5 Estimate Fractions	7.5.1 How Far (Fractions)?
		7.5.2 How Far to Go (Fractions)?
		7.5.3 How Full (Fractions)?
8 Fractions & Decimals 2	8.4 Decimal Notation	8.4.3 Rounding Decimals
9 Shape & Space	9.1 Angles	9.1.1 Estimate Angles
		9.1.2 Making Angles
12 Number operations	12.1 Addition and Subtraction	12.1.6 Approximate Calculations (+,-)
	12.3 Multiplication and Division	12.3.4 Approximate Calculations (x,/)
17 Data Handling	17.1 Probability	17.1.1 Tossing Coins
		17.1.2 Throwing Dice
		17.1.3 Throwing Odd Dice
		17.1.4 Spinner
		17.1.5 Quincunx
		17.1.6 Sampling
		17.2.1 Dice Game
	17.2 Probability Games	17.2.2 Spinner Game

Pack	Topic	Activity
4 Number Patterns (Continued)	4.4 Square Patterns	4.4.1 Triangular Pattern
		4.4.2 Multiplication Pattern
		4.4.3 Addition Pattern
	4.5 Triangular Patterns	4.5.1 Find the Pattern
		4.5.2 Find the Missing Numbers
	4.6 Hundred Number Square	4.6.1 Hundred Square
4.6.2 Windows		
4.6.3 Square Puzzle		
8 Fractions & Decimals 2	8.1 Decimal Fractions	8.1.6 Decimal Steps
	8.5 Decimal Calculations	8.5.3 Decimals (x,÷) by Powers of 10
9 Shape & Space	9.4 Shapes	9.4.1 How Many Triangles?
		9.4.2 How Many Squares?
		9.4.3 How Many Rectangles:
11 Number Structure	11.2 Ordering	11.2.6 Between: Decimals
10 Patterns & Relationships	10.1 Linear Patterns	10.1.1 Pattern Strip
		10.1.2 Shape Line
		10.1.3 Ordinal Line
		10.1.4 Number Patterns
		10.1.5 Reversing
	10.2 Pattern in Squares	10.2.1 Multiplication Patterns
		10.2.2 Offset Patterns
		10.2.3 Other Patterns
		10.2.4 Number Grids
	10.3 Pattern Games	10.3.1 Three in a Row
		10.3.2 Rectangular NIM
		10.3.3 Triplets
		10.3.4 Neighbors
	10.4 Representing Numbers	10.4.1 Dot Patterns
		10.4.2 Number Systems
	10.5 Number Machines	10.5.1 Number Machines (+ or –)
10.5.2 Number Machines (x)		
10.5.3 Number Machines (+ , – or x)		
10.5.4 What's the Machine Doing?		
10.6 Number Puzzles	10.6.1 How Many Ways?	
11 Number Structure	11.3 Odds and Evens	11.3.1 Combining Odds and Evens
12 Number Operations	12.2 Problems:Add and Subtract	12.2.4 Addition Square (4x4)
	12.3 Multiplication and Division	12.3.5 Extended Multiplication Tables
	12.4 Problems: Multiply and Divide	12.4.1 Multiplication Pairs
		12.4.3 Multiplication Square (4x4)
13 Number Relationships	13.1 Function Games	13.1.1 Frogs
		13.1.2 Counter Shuffle I
		13.1.3 Hanoi Tower
		13.1.4 Leap Frog[1]
	13.2 Number Machines	13.2.1 Number Machines (+,–,x)
		13.2.2 Number Machines (x and +,–)
	13.3 Equations	13.3.1 Equations (y = x + c)
		13.3.2 Equations (y = mx + c)
		13.3.3 Equations (x + c = 2x + d)
		13.4.1 Inequalities (x + c > y)
	13.4 Inequalities	13.4.2 Inequalities (x – c > y)
		13.4.3 Inequalities (x – c < y)
		13.4.4 Inequalities (x + c < y)
		13.5.1 Inequalities (x + c < 2x + d)
13.5 More Inequalities	13.5.2 Inequalities (x + c > 2x + d)	
	13.5.3 Which is True?	
	16 Using Number 3	16.3 Time
16.6 Miscellaneous Problems		16.6.1 Logic Problems
		16.6.2 Combinatorics



Pack	Topic	Activity
I Counting & Place Value	1.1 Counting Objects	1.1.4 Structured Counting in 5s
		1.1.5 Structured Counting in 10s
	1.2 Counting	1.2.1 Count From 0
		1.2.2 Count On in Ones
		1.2.3 Count Back in Ones
		1.2.4 Count in Steps
		1.2.5 Count in Big Steps
4 Number Patterns	4.1 Step Patterns	1.2.6 Odds and Evens
		4.1.1 Equal Steps
	4.2 Sequences	4.2.1 Addition Sequences
		4.2.2 Adding More Sequences
		4.2.3 Multiplication Sequences
		4.2.4 Fibonacci Sequences
		4.2.5 Making Up Sequences
	4.3 Twenty Five Number Square	4.3.1 Twenty Five Square TLLR
		4.3.2 Twenty Five Square BLLR
		4.3.3 Twenty Five Square TRRL
		4.3.4 Twenty Five Square BRRL
		4.3.5 Twenty Five Square SO
		4.3.6 Twenty Five Square SI



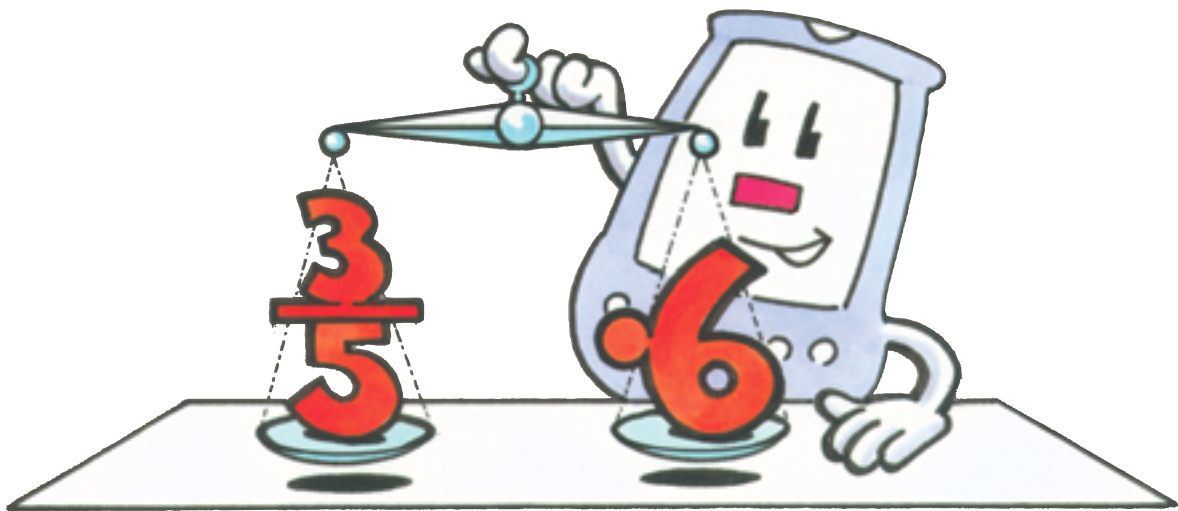
Software Pack	Topic	Activity
4 Number Patterns	4.1 Step Patterns	4.1.1 Equal Steps
	4.4 Square Patterns	4.4.1 Triangular Pattern
		4.4.2 Multiplication Pattern
5 Addition & Subtraction	4.5 Triangular Patterns	4.4.3 Addition Pattern
		4.5.1 Find the Pattern
	5.1 Addition	4.5.2 Find the Missing Numbers
		5.1.1 Basic Addition
	5.2 subtraction	5.2.3 Difference
		5.3.1 Hidden Numbers
11 Number Structure	11.4 Divisibility	5.3.2 Balance
		5.3.3 Inverse Operations
		5.3.4 Add or Subtract?
		11.4.1 Divisibility (2,5,10)
	11.5 Divisors and Factors	11.4.2 Divisibility (2,4,8)
		11.4.3 Divisibility (3,6,9)
		11.4.4 General Divisibility
		11.5.1 Does It Divide?
		11.5.2 Finding Divisors
		11.5.3 Factors
		11.5.4 HCF (GCD)
	11.6 Prime Numbers	11.5.5 LCM
		11.5.6 Decanting
		11.6.1 Is It Prime?
		11.6.2 Prime Factors
		11.6.3 Prime Factorization
12 Number Operations	12.6 Powers and Roots	12.6.1 Squares
		12.6.2 Square Roots
		12.6.3 Cubes
		12.6.4 Cube Roots
14 Using Number 1	14.1 Word Problems	14.1.1 Word Problems (Add/Order)
		14.1.2 Word Problems (Sub/Order)
		14.1.3 Word Problems (+,-)
	14.2 Number Stories	14.2.1 Easy Stories: Find End in 1
		14.2.2 Easy Stories: Find Start in 1
		14.2.3 Easy Stories: Find End in 2
		14.2.4 Easy Stories: Find Start in 2
15 Using Number 2	15.1 Word Problems	15.1.1 Verbal Problems (+, -)
		15.1.2 Verbal Multiplication
		15.1.3 Verbal Division
		15.1.4 Easy Verbal Problems (x,÷)
		15.1.5 Mixed Verbal Problems
	15.2 Number Stories[1]	15.2.1 Stories: Find End in 1
		15.2.2 Stories: Find Start in 1
		15.2.3 Stories: Find End in 2
		15.2.4 Stories: Find Start in 2
16 Using Number 3	16.5 Ratio and Proportion	16.5.1 Unit Ratios
		16.5.2 General Ratios

Number Sense & Numeration



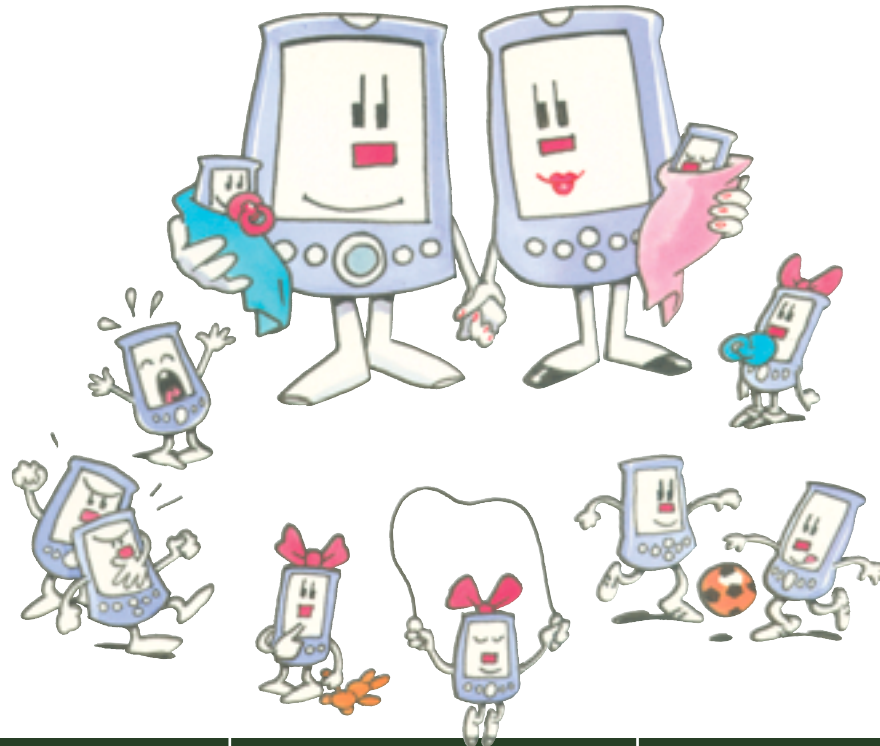
Pack	Topic	Activity
1 Counting & Place Value	1.1 Counting Objects	1.1.1 Count 10 Objects
		1.1.2 Counting Dice
		1.1.3 Count 20 Objects
		1.1.4 Structured Counting in 5s
		1.1.5 Structured Counting in 10s
	1.2 Counting	1.2.1 Count From 0
		1.2.2 Count On in Ones
		1.2.3 Count Back in Ones
		1.2.4 Count in Steps
		1.2.5 Count in Big Steps
		1.2.6 Odds and Evens
	1.3 Number Names	1.3.1 Whole Number Names
		1.3.2 Decimal Number Names
	1.4 Place Value	1.4.1 Read HTU Numbers
		1.4.2 Read ThHTU Numbers
		1.4.3 How Many H or T?
		1.4.4 How Many Th, H or T?
		1.4.5 Bridge H, T Boundaries
		1.4.6 Bridge Th, H, T Boundaries
	1.5 Place Value Games	1.5.1 Space Invaders 1
		1.5.2 Space Invaders 2
		1.5.3 Biggest Number
2 Ordering	2.1 Whole Number Lines	2.1.1 Numbers on a Line [0,10]
		2.1.2 Numbers on a Line [0,120]
		2.1.3 Multiples of 10 on a Line
		2.1.4 Numbers on a Line [0,1000]
		2.1.5 Numbers on a Line [0,10000]
		2.1.6 Negative Numbers on a Line
		2.1.7 Number Track

Pack	Topic	Activity
7 Fractions & Decimals 1 (Continued)	7.4 Decimals	7.4.1 Decimal Numbers
		7.4.2 Fractions to Decimals
		7.4.3 Decimals to Fractions
		7.4.4 Flash Card (Dec/Fract)[3]
		7.4.5 Add Decimals
8 Fractions & Decimals 2	7.5 Estimate Fractions	7.5.1 How Far (Fractions)?
		7.5.2 How Far to Go (Fractions)?
		7.5.3 How Full (Fractions)?
	8.1 Decimal Fractions	8.1.1 Decimal Abacus (1dp)
		8.1.2 Decimal Abacus (2dp)
		8.1.3 Decimal Abacus (3dp)
		8.1.4 Decimal Fractions of Money
		8.1.5 Fractions of a Meter
		8.1.6 Decimal Steps
	8.2 Equivalent Fractions	8.2.1 Equivalent Fractions
		8.2.2 Complete 2 Fractions
		8.2.3 Complete 3 Fractions
	8.3 Combining Fractions	8.2.4 Simplifying Fractions
		8.3.1 Adding Fractions
		8.3.2 Subtracting Fractions
		8.3.3 Multiply Fractions
		8.3.4 Multiply by Fractions
	8.4 Decimal Notation	8.4.1 Writing Decimals
		8.4.2 Reading Scales
		8.4.3 Rounding Decimals
	8.5 Decimal Calculations	8.5.1 Decimal Totals
		8.5.2 Subtract Decimals
		8.5.3 Decimals (x,/) by Powers of 10
		8.5.4 Missing Digits (Decimals)
	8.6 Ordering Decimals	8.6.1 Order Decimals (1dp)
		8.6.2 Order Decimals (2dp)
		8.6.3 Order Decimals (3dp)
		8.6.4 Order Decimals (Mixed dp)
	8.7 Percentages	8.7.1 Simple Percentages
		8.7.2 Finding Percentages
		8.7.3 Flash Card Percentages
11 Number Structure	11.2 Ordering	11.2.6 Between: Decimals
12 Number Operations	12.1 Addition and Subtraction	12.1.3 Add and Subtract Decimals
	12.1 Addition and Subtraction	12.1.4 Add Negative Numbers
16 Using Number 3	12.3 Multiplication and Division	12.3.3 Multiply and Divide Decimals
	16.2 Money	16.2.2 Percentages Of Money

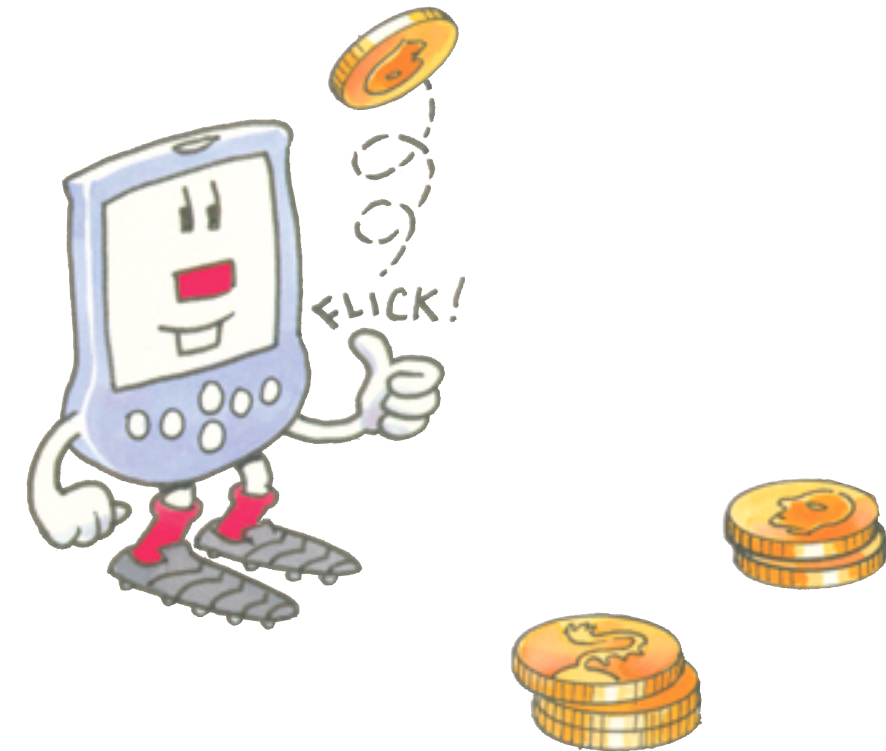


Pack	Topic	Activity
2 Ordering	2.4 Ordering Fractions and Decimals	2.4.1 Frac Line (1/2, 1/5, 1/10)
		2.4.2 FracLine (1/2, 1/3, 1/4, 1/6, 1/12)
		2.4.3 Decimals on a Line
		2.4.4 Name Decimal Numbers
		2.4.5 Order Binary Fractions
6 Multiplication & Division	6.1 Multiplication	6.1.1 Doubles
	6.4 Fractional Division	6.4.1 Halving
7 Fractions & Decimals I	7.1 Unit Fractions	6.4.2 Multiply by Unit Fractions
		7.1.1 Unit Fractions (1/2, 1/4, 1/8)
		7.1.2 Unit Fractions (1/3, 1/4, 1/6)
		7.1.3 Unit Fractions (1/2, 1/5, 1/10)
		7.1.4 Mixed Unit Fractions
	7.2 General Fractions	7.2.1 Fractions (1/2, 1/4, 1/8)[1]
		7.2.2 Fractions (1/2, 1/5, 1/10)
		7.2.3 Fractions (1/3, 1/4, 1/6, 1/12)
		7.2.4 Mixed General Fractions
		7.2.5 Fraction Words
	7.3 Equivalent Fractions	7.3.1 Equivalent Proper Fractions
		7.3.2 Equivalent Improper Fractions
		7.3.3 Mixed Equivalent Fractions[2]
		7.3.4 Add Simple Fractions
		7.3.5 Subtract Simple Fractions
		7.3.6 Mixed Numbers
		7.3.7 Fraction Shapes
		7.3.8 More or Less Fractions

Pack	Topic	Activity
2 Ordering (Continued)	2.2 Number Names	2.2.1 Name a Number [0,20]
		2.2.2 Name a Number [0,100]
		2.2.3 Name a Number [0,1000]
		2.2.4 Name a Number [0,10000]
		2.2.5 Name Negative Numbers
	2.3 Ordering Numbers	2.3.1 Order 3 Numbers
		2.3.2 Order Negative Numbers
		2.3.3 Order 4 Numbers
		2.3.4 Order 5 Numbers
		2.3.5 Descending Order
		2.3.6 Sort Out Mixed Up Numbers
		2.3.7 Flipper
4 Number Patterns	2.5 Order Problems	2.3.8 Small, Middle, Big
		2.5.1 Find the Middle
		2.5.2 Find the Middle: Negatives
		2.5.3 Find the Middle: Decimals
		2.5.4 Guess My Number
	2.6 Inequalities	2.6.1 Flash Card Inequalities
		2.6.2 Greater, Less or Equal
	4.3 Twenty Five Number Square	4.3.1 Twenty Five Square TLLR
		4.3.2 Twenty Five Square BLLR
		4.3.3 Twenty Five Square TRRL
		4.3.4 Twenty Five Square BRRL
		4.3.5 Twenty Five Square SO
		4.3.6 Twenty Five Square SI
	4.6 Hundred Number Square	4.6.1 Hundred Square
		4.6.2 Windows
		4.6.3 Square Puzzle
	10 Patterns & Relationships	10.2.1 Multiplication Patterns
		10.2.2 Offset Patterns
		10.2.4 Number Grids
11 Number Structure	11.1 Counting and Place Value	11.1.1 Number Names [0,1M]
		11.1.2 How Many (Big Numbers)?
		11.1.3 Space Invaders 3
		11.1.4 Multiply Powers 1-100Th
	11.2 Ordering	11.2.1 Naming Numbers [0,1M]
		11.2.2 Order 4 Big Numbers
		11.2.3 Order 5 Big Numbers
		11.2.4 Between: Big Whole Numbers
		11.2.5 Between: Neg and Pos
		11.2.6 Between: Decimals
	14 Using Number 1	14.1.1 Word Problems (Add/Order)
		14.1.2 Word Problems (Sub/Order)
15 Using Number 2	14.1.3 Word Problems (+,-)	15.1.1 Verbal Problems (+,-)
		15.1.2 Verbal Multiplication
		15.1.3 Verbal Division
		15.1.4 Easy Verbal Problems (x,÷)
		15.1.5 Mixed Verbal Problems
16 Using Number 3	16.1 Word Problems	16.1.1 Verbal Problems (+,-)
		16.1.2 Verbal Problems (x,÷)
		16.1.3 Verbal Problems (+,-,x,÷)
		16.1.4 Verbal problems: Powers[1]



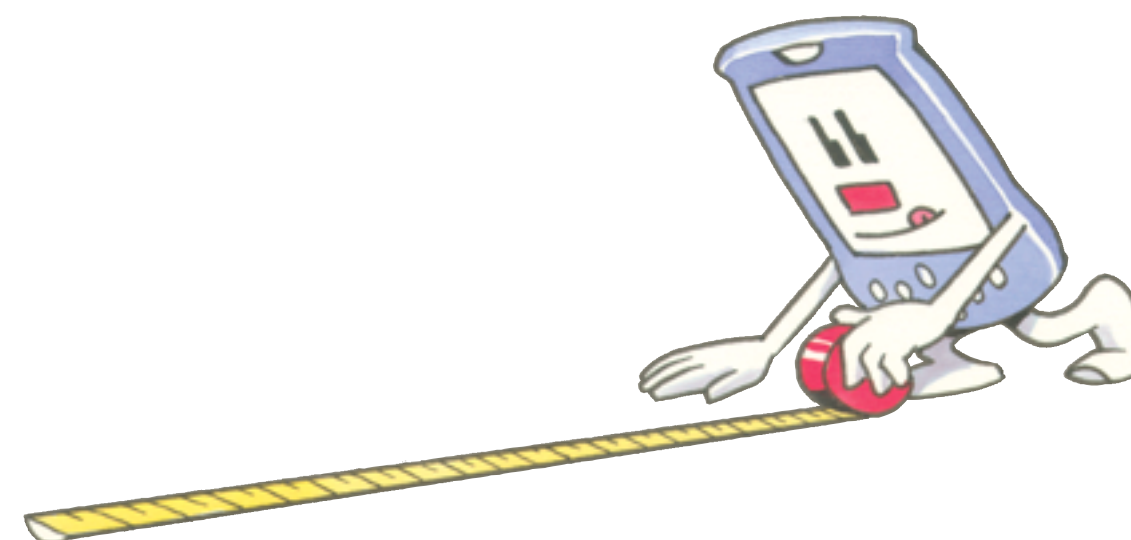
Pack	Topic	Activity
3 Estimating & Rounding	3.4 Estimating Numbers	3.4.1 Nearest Number
		3.4.2 Nearest Negative Number
		3.4.3 Where On a Line?
		3.4.4 Where On a Negative Line?
	3.5 Estimated Calculations	3.5.1 Nearest Addition
		3.5.2 Nearest Subtraction
4 Number Patterns	4.2 Sequences	3.6.4 Rounding (+,-)
		3.6.5 Rounding (x,÷)
		4.2.1 Addition Sequences
		4.2.2 Adding More Sequences
		4.2.3 Multiplication Sequences
		4.2.4 Fibonacci Sequences
5 Addition & Subtraction	5.1 Addition	4.2.5 Making Up Sequences
		5.1.2 Flash Card Addition
		5.1.3 Addition Practice
		5.1.4 Addition Table
	5.2 Subtraction	5.1.5 Add Big Numbers
		5.2.2 Flash Card Subtraction
		5.2.4 Subtraction Practice
		5.2.5 Subtract Big Numbers
	5.3 Addition & Subtraction	5.3.5 Equations (+,-)
		5.4.1 Triple Jump
		5.4.2 Addition Square (3x3)
		5.4.3 Number Wheel
		5.4.4 Arithmogons
		5.4.5 NIM
6 Multiplication & Division	6.1 Multiplication	5.4.6 Magic Square
		6.1.1 Doubles
		6.1.2 Basic Multiplication
		6.1.3 Flash Card Multiplication
		6.1.4 Multiplication Table
		6.1.5 Multiply Big Numbers
		6.1.6 Multiply by Powers of 10



Pack	Topic	Activity
17 Data Handling	17.1 Probability	17.1.1 Tossing Coins
		17.1.2 Throwing Dice
		17.1.3 Throwing Odd Dice
		17.1.4 Spinner
		17.1.5 Quincunx
		17.1.6 Sampling
	17.2 Probability Games	17.2.1 Dice Game
		17.2.2 Spinner Game
	17.3 Collecting Data	17.3.1 Continuous Data
		17.3.2 Tallying
	17.4 Representing Data	17.4.1 Frequency Table
		17.4.2 Bar Graph
		17.4.3 Pie Chart
		17.4.4 Line Graph
		17.4.5 Histogram
	17.5 Analyzing Data	17.5.1 Maximum, Minimum, Range
		17.5.2 Mode
		17.5.3 Median
		17.5.4 Mean
		17.5.5 General Analysis
	17.6 Classifying Data	17.6.1 Venn Diagrams
		17.6.2 Carroll Diagrams
		17.6.3 Decision Trees

Pack	Topic	Activity
6 Multiplication & Division (Continued)	6.2 Multiplication Tables	6.2.1 Multiply by (2, 5, 10)
		6.2.2 Multiply by (3, 6, 9)
		6.2.3 Multiply by (2, 4, 8)
		6.2.4 Multiply by (3, 4, 7)
		6.2.5 General Multiplication
		6.2.6 Structured Multiplication
	6.3 Division	6.3.1 Basic Division
		6.3.2 Flash Card Division
		6.3.3 Division Practice
		6.3.4 Divide Big Numbers
		6.3.5 Remainders
	6.4 Fractional Division	6.4.1 Halving
		6.4.2 Multiply by Unit Fractions
	6.5 Multiplication and Division	6.5.1 Equations (x, ÷)
		6.5.2 Missing Operations
		6.5.3 Multiplication Square (3x3)
		6.5.4 Hopping
8 Fractions & Decimals 2	8.3 Combining Fractions	8.3.4 Multiply by Fractions
9 Shape & Space	9.6 Perimeter and Area	9.6.1 Perimeters
		9.6.2 Areas
		9.6.3 Perimeters and Areas
10 Patterns & Relationships	10.5 Number Machines	10.5.1 Number Machines (+ or -)
		10.5.2 Number Machines (x)
		10.5.3 Number Machines (+, -, or x)
		10.5.4 What's the Machine Doing?
11 Number Structure	11.4 Divisibility	11.4.1 Divisibility (2,5,10)
		11.4.2 Divisibility (2,4,8)
		11.4.3 Divisibility (3,6,9)
		11.4.4 General Divisibility
	11.5 Divisors and Factors	11.5.1 Does It Divide?
		11.5.2 Finding Divisors
		11.5.3 Factors
		11.5.4 HCF (GCD)
		11.5.5 LCM
		11.5.6 Decanting
	11.6 Prime Numbers	11.6.1 Is It Prime?
		11.6.2 Prime Factors
		11.6.3 Prime Factorisation
12 Number Operations	12.1 Addition and Subtraction	12.1.1 Addition [0,1M]
		12.1.2 Subtraction [0,1M]
		12.1.5 Subtract Negative Numbers
		12.1.6 Approximate Calculations (+, -)
	12.2 Problems: Add and Subtract	12.2.1 Finding Totals
		12.2.2 Addition Pairs
		12.2.3 Missing Digits (+, -)
		12.2.4 Addition Square (4x4)
	12.3 Multiplication and Division	12.3.1 Multiply [1,1M]
		12.3.2 Divide [1,1M]
		12.3.4 Approximate Calculations (x, ÷)
		12.3.5 Extended Multiplication Tables
	12.4 Problems: Multiply and Divide	12.4.1 Multiplication Pairs
		12.4.2 Missing Digits (x, ÷)
		12.4.3 Multiplication Square (4x4)
		12.5.1 Order of Operations
	12.5 Combined Operations	12.5.2 Making Numbers (+, -)
		12.5.3 Making Numbers (+, -, x, ÷)
		12.5.4 Backtrack
	12.6 Powers and Roots	12.6.1 Squares
		12.6.2 Square Roots
		12.6.3 Cubes
		12.6.4 Cube Roots

Measurement



Pack	Topic	Activity
3 Estimating & Rounding	3.3 Estimating Measures	3.3.1 How Full Is It?
		3.3.2 Can You Fill the Tray?
		3.3.3 How Far?
		3.3.4 How Far to Go?
		3.3.5 How Many Fit In?
7 Fractions & Decimals 1	7.5 Estimate Fractions	7.5.1 How Far (Fractions)?
		7.5.2 How Far to Go (Fractions)?
		7.5.3 How Full (Fractions)?
14 Using Number 1	14.3 Money	14.3.1 Using Coins
		14.3.2 Money Totals
		14.3.3 Giving Change
		14.3.4 Units of Money
		14.3.5 Simple Money Problems
	14.4 Time	14.4.1 Ordering Events
		14.4.2 Read Analogue Clocks
		14.4.3 Read Digital Clocks
		14.4.4 Time Units (s,m,hr)
		14.4.5 Time Problems
15 Using Number 2	15.3 Money	15.3.1 Money Notation
		15.3.2 Money Problems
	15.4 Time	15.4.1 Measuring Time
		15.4.2 Time Words
		15.4.3 Reading Clocks
		15.4.4 Calendar
		15.4.5 Timetables
	15.5 Measures	15.5.1 Mass Units
		15.5.2 Capacity Units
		15.5.3 Length Units
16 Using Number 3	16.3 Time	16.3.1 Using Timetables
		16.3.2 Time Units
		16.3.3 World Times
		16.3.4 24 Hour Clock
	16.4 Measures	16.4.1 Length Units (Decimal)
		16.4.2 Mass Units (Decimal)
		16.4.3 Capacity Units (Decimal)

Geometry & Spatial Sense



Pack	Topic	Activity
3 Estimating & Rounding	3.3 Estimating Measures	3.3.1 How Full Is It? 3.3.5 How Many Fit In?
7 Fractions & Decimals 1	7.5 Estimate Fractions	7.5.3 How Full (Fractions)?
8 Fractions & Decimals 2	8.3 Combining Fractions	8.3.4 Multiply by Fractions
9 Shape & Space	9.1 Angles	9.1.1 Estimate Angles 9.1.2 Making Angles 9.1.3 Angles On a Line 9.1.4 Angles at a Point 9.1.5 Angles and Parallels 9.1.6 Angles in Triangles
		9.2.1 Translations 9.2.2 Using Translations 9.2.3 Combining Translations
	9.3 Transformations	9.3.1 Rotating Shapes 9.3.2 Reflecting Shapes 9.3.3 Mirror Lines 9.3.4 Axes of Symmetry 9.3.5 Which Transformation?
		9.4.1 How Many Triangles? 9.4.2 How Many Squares? 9.4.3 How Many Rectangles:
	9.5 3D Shapes	9.5.1 Open Cubes 9.5.2 Cube Nets
		9.6.1 Perimeters 9.6.2 Areas 9.6.3 Perimeters and Areas
	9.6 Perimeter and Area	10.3.2 Rectangular NIM 13.6.1 Basic Coordinates 13.6.2 Position with Coordinates 13.6.3 Four Quadrant Coordinates 13.6.4 Using Coordinates 13.6.5 Gomoku
		14.5.1 Shape Names 14.5.2 Flat Shapes 14.5.3 Positions
		15.6.1 Directions 15.6.2 Grid Positions
10 Patterns & Relationships	10.3 Pattern Games	
13 Number Relationships	13.6 Coordinates	
14 Using Number 1	14.5 Shape and Space	
15 Using Number 2	15.6 Location	

Pack	Topic	Activity
13 Number Relationships	13.2 Number Machines	13.2.1 Number Machines (+,-,x) 13.2.2 Number Machines (x and +,-)
	13.3 Equations	13.3.1 Equations ($y = x + c$) 13.3.2 Equations ($y = mx + c$) 13.3.3 Equations ($x + c = 2x + d$)
		13.4.1 Inequalities ($x + c > y$)[i] 13.4.2 Inequalities ($x - c > y$)[ii] 13.4.3 Inequalities ($x - c < y$) 13.4.4 Inequalities ($x + c < y$)[I]
	13.5 More Inequalities	13.5.1 Inequalities ($x + c < 2x + d$) 13.5.2 Inequalities ($x + c > 2x + d$) 13.5.3 Which is True?
	14.1 Word Problems	14.1.1 Word Problems (Add/Order) 14.1.2 Word Problems (Sub/Order) 14.1.3 Word Problems (+,-)
	14.2 Number Stories	14.2.1 Easy Stories: Find End in 1 14.2.2 Easy Stories: Find Start in 1 14.2.3 Easy Stories: Find End in 2 14.2.4 Easy Stories: Find Start in 2
	14.3 Money	14.3.1 Using Coins 14.3.2 Money Totals 14.3.3 Giving Change 14.3.4 Units of Money 14.3.5 Simple Money Problems
	14.4 Time	14.4.4 Time Units (s,m,hr)[I] 14.4.5 Time Problems
	15.1 Word Problems	15.1.1 Verbal Problems (+, -) 15.1.2 Verbal Multiplication 15.1.3 Verbal Division 15.1.4 Easy Verbal Problems (x,÷) 15.1.5 Mixed Verbal Problems
	15.2 Number Stories[1]	15.2.1 Stories: Find End in 1 15.2.2 Stories: Find Start in 1 15.2.3 Stories: Find End in 2 15.2.4 Stories: Find Start in 2
	15.3 Money	15.3.1 Money Notation 15.3.2 Money Problems
	15.5 Measures	15.5.1 Mass Units 15.5.2 Capacity Units 15.5.3 Length Units
16 Using Number 3	16.1 Word Problems	16.1.1 Verbal Problems (+,-) 16.1.2 Verbal Problems (x,÷) 16.1.3 Verbal Problems (+,-,x, ÷) 16.1.4 Verbal problems: Powers[1]
	16.2 Money	16.2.1 Shopping 16.2.2 Percentages Of Money 16.2.3 Hard Money Problems 16.2.4 Money Calculations
	16.4 Measures	16.4.1 Length Units (Decimal) 16.4.2 Mass Units (Decimal) 16.4.3 Capacity Units (Decimal)
	16.5 Ratio and Proportion	16.5.1 Unit Ratios 16.5.2 General Ratios
	16.6 Miscellaneous Problems	16.6.3 Number Problems
	17.5 Analyzing Data	17.5.1 Maximum, Minimum, Range 17.5.2 Mode 17.5.3 Median 17.5.4 Mean 17.5.5 General Analysis