# STEPPING STONES

# **PROGRAM CONTENT**

### **MODULE 1**

- **1.1** Revising Two-Digit Numbers (Place Value)
- **1.2** Revising Two-Digit Numbers (Relative Position)
- 1.3 Counting Multiples of 10 (Off the Decade)
- **1.4** Counting Back Multiples of 10 (Off the Decade)
- **1.5** Writing Three-Digit Numbers (without Internal Zeros or Teens)
- **1.6** Writing Three-Digit Numbers (without Teens)
- **1.7** Writing Three-Digit Numerals and Number Names (without Teens)
- 1.8 Writing Three-Digit Numbers (with Teens)
- **1.9** Writing Three-Digit Numerals and as Number Names (with Teens)
- **1.10** Writing Three-Digit Numbers (Place Value)
- 1.11 Exploring Number Sequences on Number Charts
- 1.12 Comparing Quantities More Than 100

#### **MODULE 2**

- 2.1 Working with Addition
- **2.2** Revising the Commutative Property of Addition with Count-On Facts
- **2.3** Relating Addition and Subtraction (Count-On Facts)
- **2.4** Working with Count-On Fact Families
- **2.5** Adding Multiples of 10 (On the Decade)
- **2.6** Adding Multiples of 10 (Off the Decade)
- 2.7 Subtracting Multiples of 10 (On the Decade)
- **2.8** Subtracting Multiples of 10 (Off the Decade)
- **2.9** Describing Durations (Hours, Minutes and Seconds)
- **2.10** Reading and Writing Time On the Hour and Half Past the Hour
- 2.11 Working with Time Quarter Past and To the Hour
- 2.12 Working with the Calender

#### MODULE 3

- 3.1 Grouping with Hundreds
- 3.2 Revising Three-Digit Numbers
- **3.3** Reading and Representing Three-Digit Numbers
- 3.4 Writing Three-Digit Number Names
- **3.5** Writing Three-Digit Numbers as Numerals
- **3.6** Identifying Three-Digit Numbers on a Number Line
- **3.7** Identifying and Comparing Amounts of Money (Coins)
- **3.8** Identifying and Comparing Amounts of Money (Notes)
- 3.9 Working with Dollars and Cents
- 3.10 Making Simple Transactions
- 3.11 Sorting Data in Different Ways
- **3.12** Constructing and Interpreting Picture Graphs

## MODULE 4

- 4.1 Adding Multiples of 10 Cents
- **4.2** Extending the Count-On Strategy to Two-Digit Numbers
- **4.3** Using the Jump Strategy to Add Two-Digit Numbers (Number Chart)
- **4.4** Using the Jump and Split Strategies to Add Two-Digit Numbers (Number Line)
- **4.5** Using the Jump and Split Strategies to Add Two-Digit Numbers (Base-10 Blocks)
- **4.6** Using the Split Strategy (Base-10 Blocks) to Add Two-Digit Numbers (with Bridging)
- **4.7** Identifying and Describing Number Patterns
- **4.8** Identifying Missing Elements in Number Patterns
- **4.9** Establishing the Need for Large Formal Units of Length
- 4.10 Introducing a Formal Unit of Length (Metre)
- 4.11 Measuring Length in Metres
- 4.12 Working with Metres

## **MODULE 5**

- 5.1 Extending the Count-Back Strategy to Two-Digit Numbers
- 5.2 Using the Jump Strategy to Subtract Two-Digit Numbers (Number Chart)
- **5.3** Using the Jump Strategy to Subtract Two-Digit Numbers (Number Line)
- **5.4** Working with the Use-Doubles Addition Strategy
- **5.5** Relating Addition and Subtraction (Use-Doubles Facts)
- 5.6 Working with Use-Doubles Fact Families
- **5.7** Extending the Use-Doubles Addition Strategy Beyond the Facts
- **5.8** Using Blocks to Compare the Volume of Objects
- **5.9** Using Liquid to Compare the Volume of Objects
- **5.10** Comparing Mass Using Balance Scales
- 5.11 Measuring Mass Using Informal Units
- 5.12 Comparing Mass Using Informal Units

#### **MODULE 6**

- 6.1 Using the Bridge-to-Ten Additon Strategy
- 6.2 Working with Bridge-to-Ten Fact Families
- **6.3** Extending the Bridge-to-Ten Addition Strategy Beyond the Facts
- 6.4 Analysing Addition Patterns (with Bridging)
- **6.5** Extending the Use-Doubles Addition Strategy (with Bridging)
- 6.6 Using the Jump Strategy to Add Two-Digit Numbers
- 6.7 Using the Jump Strategy to Add Two-Digit Numbers (with Bridging)
- 6.8 Combining 2D Shapes
- 6.9 Drawing and Naming 2D Shapes
- 6.10 Investigating Flips
- 6.11 Investigating Turns
- 6.12 Using Flips, Slides and Turns

# STEPPING STONES

# **PROGRAM CONTENT**

### **MODULE 7**

- 7.1 Representing Three-Digit Numbers (with Zeros)
- **7.2** Representing Three-Digit Numbers (with Teens and Zeros)
- **7.3** Writing Three-Digit Numbers in Numerals and Words
- 7.4 Working with Three-Digit Numbers
- 7.5 Comparing Three-Digit Numbers
- 7.6 Ordering Three-Digit Numbers
- 7.7 Relating Addition and Subtraction
- **7.8** Using Addition or Subtraction to Solve Money Problems
- **7.9** Writing Related Addition and Subtraction Sentences
- 7.10 Relating Addition and Subtraction Sentences
- 7.11 Investigating Addition Number Patterns
- 7.12 Investigating Subtraction Number Patterns

#### **MODULE 8**

- 8.1 Composing and Decomposing Two-Digit Numbers
- 8.2 Subtracting One-Digit Numbers from Two-Digit Numbers
- 8.3 Calculating Difference Between Two-Digit Numbers
- 8.4 Consolidating Subtraction Strategies
- **8.5** Relating Addition and Subtraction Beyond the Facts
- **8.6** Using the Inverse Strategy to Subtract Two-Digit Numbers
- **8.7** Using Mental Strategies to Solve Subtraction Problems (Number Line)
- 8.8 Identifying Five-Minute Intervals
- 8.9 Working with Duration (Minutes)
- 8.10 Measuring Capacity with Different Informal Units
- 8.11 Comparing Capacity Using Informal Units
- 8.12 Solving Problems Involving Capacity

#### **MODULE 9**

- 9.1 Skip Counting by 2 or 5
- 9.2 Adding Jumps of 2 or 5
- 9.3 Describing Equal Groups
- 9.4 Adding Equal Groups
- 9.5 Describing Arrays
- 9.6 Adding Equal Rows
- 9.7 Using the Turnaround Idea with Arrays
- **9.8** Measuring Short Lengths with Uniform Informal Units
- **9.9** Comparing Length Using Uniform Informal Units
- **9.10** Introducing a Formal Unit of Length (Centimetre)
- **9.11** Measuring Length Using Centimetres
- 9.12 Solving Problems Involving Centimetres

#### **MODULE 10**

10.1	Relating Multiplication and Division (Sharing)
10.2	Using Divsion Language (Grouping)
10.3	Relating Multiplication and Division (Grouping)
10.4	Working with Amounts Left Over
10.5	Identifying One-Half, One-Quarter and One-Eighth (Linear Model)
10.6	Identifying One-Half, One-Quarter and One-Eighth (Discrete Model)
10.7	Recording Fractions and the Relationship of the Parts to the Whole (Linear Model)
10.8	Recording Fractions and the Relationship of the Parts to the Whole (Discrete Model)
10.9	Working with Fraction Notation
10.10	Covering Surfaces without Leaving Gaps
10.11	Using Grids to Measure Area
10.12	Exploring the Area of Rectangles
ΜΟΙ	DULE 11
11.1	Partitioning Three-Digit Numbers
11.2	Partitioning Three-Digit Numbers in Non-Standard Forms
11.3	Comparing and Ordering Three-Digit Numbers
11.4	Building a Picture of 1000
11.5	Identifying Numbers to One Thousand on a Number Line
11.6	Exploring the Relative Position of Numbers to One Thousand
11.7	Rounding to the Nearest Hundred
11.8	Roundig to the Nearest Ten or Hundred
11.9	Identifying 3D Objects
11.10	Exploring 2D Shapes and 3D Objects
11.11	Investigating 3D Objects
11.12	Drawing 3D Objects
MO	DULE 12

- 12.1 Adding Coin Values to Match a Given Total
- 12.2 Solving Simple Money Problems
- 12.3 Calculating Change
- **12.4** Estimating Answers (Adding within 100)
- 12.5 Estimating Answers (Subtracting within 100)
- **12.6** Solving Addition and Subtraction Word Problems
- **12.7** Describing Paths
- 12.8 Drawing Simple Maps
- **12.9** Interpreting and Constructing One-to-One Picture Graphs
- **12.10** Working with Picture Graphs
- **12.11** Describing the Element of Chance in Events
- 12.12 Using the Language of Chance