# STEPPING STONES

# **PROGRAM CONTENT**

### MODULE 1

- 1.1 Reading and Writing Three-Digit Numbers
- 1.2 Revising Three-Digit Numbers
- **1.3** Locating Three-Digit Numbers on a Number Line
- **1.4** Counting Forwards and Backwards by Tens and Hundreds
- **1.5** Introducing Comparison Symbols
- 1.6 Comparing and Ordering Two-Digit Numbers
- 1.7 Comparing and Ordering Three-Digit Numbers
- 1.8 Rounding to the Nearest Ten or Hundred
- 1.9 Introducing the Multiplication Symbol (×)
- **1.10** Using the Multiplication Symbol with Arrays
- **1.11** Using the Multiplication Symbol with Equal Groups
- **1.12** Revising Division Language (Sharing)

### **MODULE 2**

- 2.1 Estimating with Addition
- **2.2** Using the Associative Property to Add Three Numbers
- **2.3** Extending the Count-On Strategy to Three-Digit Numbers
- **2.4** Using Jump and Split Strategies to Add Two- and Three-Digit Numbers
- **2.5** Using Jump and Split Strategies to Add Three-Digit Numbers
- 2.6 Estimating with Subtraction
- 2.7 Revising the Jump Strategy for Subtraction
- 2.8 Revising the Inverse Strategy for Subtraction
- 2.9 Solving Word Problems Involving Addition or Subtraction
- 2.10 Working with Five-Minute Intervals
- 2.11 Working with Duration (Hours)
- 2.12 Working with Duration (Hours and Minutes)

#### MODULE 3

- 3.1 Counting in Steps of Two, Five and Ten
- 3.2 Revising Multiplication Concepts
- 3.3 Introducing the Twos Multiplication Facts
- 3.4 Reinforcing the Twos Multiplication Facts
- **3.5** Doubling and Halving Multiples of 10 and 5
- **3.6** Introducing the Tens Multiplication Facts
- **3.7** Introducing the Fives Multiplication Facts
- **3.8** Reinforcing the Tens and Fives Multiplication Facts
- **3.9** Adding Coin Values
- **3.10** Reading and Recording Dollars and Cents
- **3.11** Constructing a Vertical Column Graph
- **3.12** Interpreting and Constructing a Horizontal Column Graph

# MODULE 4

- 4.1 Composing Three-Digit Numbers
- **4.2** Bridging Decades to Add One- and Three-Digit Numbers
- **4.3** Using Jump and Split Strategies to Add Twoand Three-Digit Numbers (with Bridging)
- **4.4** Using Jump and Split Strategies to Add Three-Digit Numbers (with Bridging)
- **4.5** Consolidating Addition with Three-Digit Numbers
- **4.6** Introducing the Compensation Strategy for Addition
- **4.7** Consolidating the Compensation Strategy to Add Two- and Three-Digit Numbers
- **4.8** Consolidating the Compensation Strategy to Add Three-Digit Numbers
- **4.9** Introducing the Kilogram
- 4.10 Working with Kilograms
- 4.11 Introducing Litres and Estimating Capacity
- 4.12 Working with Litres

## MODULE 5

- 5.1 Writing Four-Digit Numbers
- 5.2 Representing Four-Digit Numbers
- **5.3** Writing Four-Digit Number Names and Numerals
- 5.4 Locating Four-Digit Numbers on a Number Line
- 5.5 Revising Fractions
- 5.6 Working with the Area Model of Fractions
- 5.7 Naming Equal Parts of a Whole (Area Model)
- 5.8 Identifying the Numerator and Denominator
- **5.9** Relating Fraction Words and Symbols
- 5.10 Comparing Lengths in Metres
- **5.11** Comparing Lengths in Metres and Centimetres
- 5.12 Writing Lengths in Metres and Centimetres

### **MODULE 6**

- 6.1 Extending the Count-Back Strategy to Three-Digit Numbers
- **6.2** Using Jump and Split Strategies to Subtract Two-Digit Numbers from Three-Digit Numbers
- **6.3** Using Jump and Split Strategies to Subtract Three-Digit Numbers
- 6.4 Bridging the Decades to Subtract One-Digit Numbers from Three-Digit Numbers
- **6.5** Using Jump and Place-Value Strategies to Subtract Three-Digit Numbers
- **6.6** Consolidating Subtraction of Two-Digit Numbers from Three-Digit Numbers (with Bridging)
- 6.7 Using Jump and Place-Value Strategies to Subtract Three-Digit Numbers (with BTridging)
- 6.8 Exploring Rectangles
- 6.9 Exploring Rhombuses
- 6.10 Exploring Quadrilaterals
- 6.11 Exploring Parallelograms
- 6.12 Exploring Reflective Symmetry

# STEPPING STONES

# **PROGRAM CONTENT**

#### **MODULE 7**

- 7.1 Revising Four-Digit Number Names and Numerals
- **7.2** Comparing and Ordering Four-Digit Numbers from Everday Contexts
- 7.3 Revising Four-Digit Numbers on a Number Line
- 7.4 Exploring Place Value of Four-Digit Numbers
- 7.5 Investigating Patterns on Number Charts
- 7.6 Exploring Addition and Subtraction Patterns
- 7.7 Identifying Odd and Even Numbers
- 7.8 Exploring Odd and Even Numbers
- 7.9 Introducing Millimetres
- 7.10 Measuring, Comparing and Ordering Lengths (Centimetres and Millimetres)
- 7.11 Exploring Area in Square Centimetres
- 7.12 Exploring Area in Square Metres

### **MODULE 8**

- 8.1 Introducing the Division Symbol (÷)
- **8.2** Exploring the Relationship Between Multiplication and Division
- 8.3 Introducing the Tens Division Facts
- **8.4** Introducing the Fives Division Facts
- 8.5 Reinforcing the Tens and Fives Division Facts
- **8.6** Introducing the Twos Division Facts
- 8.7 Reinforcing the Twos Division Facts
- 8.8 Exploring Angles as Openings
- 8.9 Exploring Angles as Amounts of Turn
- 8.10 Reading and Writing Times to the Nearest Minute
- 8.11 Relating Times Past and To the Hour
- 8.12 Introducing Seconds

### **MODULE 9**

- 9.1 Introducing the Threes Multiplication Facts
- **9.2** Reinforcing the Twos, Threes, Fives and Tens Multiplication Facts
- **9.3** Exploring Mental Strategies to Multiply by a Multiple of Ten
- 9.4 Extending the Tens Multiplication Facts
- 9.5 Solving Word Problems Involving Multiplication
- **9.6** Using the Array Model to Relate Multiplication and Division
- **9.7** Using the Equal Groups Model to Relate Multiplication and Division
- **9.8** Introducing the Three Division Facts
- 9.9 Reinforcing the Threes Division Facts
- 9.10 Exploring Volume
- 9.11 Investigating Volume
- 9.12 Using Cubic Centimetres to Measure Volume

### **MODULE 10**

- **10.1** Adding Amounts in Cents (Bridging Dollars)
- **10.2** Rounding Prices to the Nearest Five Cents
- 10.3 Calculating Change (Cents)
- 10.4 Calculating Change (Whole Dollars)
- **10.5** Consolidating Subtraction Strategies (Whole Dollars)
- **10.6** Counting Fractions on a Number Line (Between 0 and 1)
- 10.7 Counting Fractions Beyond 1 (Mixed Numerals)
- 10.8 Representing Mixed Numerals (Area Model)
- **10.9** Locating Fractions on a Number Line (Beyond 1)
- **10.10** Revising Litres and Parts of a Litre
- 10.11 Working with Parts of a Litre
- 10.12 Solving Word Problems Involving Capacity

### **MODULE 11**

- **11.1** Working with Place Value of Four-Digit Numbers
- **11.2** Exploring Place Value of Four-Digit Numbers
- **11.3** Partitioning Four-Digit Numbers
- **11.4** Partitioning Four-Digit Numbers in Non-Standard Forms
- **11.5** Exploring the Relative Position of Numbers to 9999
- **11.6** Rounding Four-Digit Numbers to the Nearest Ten, Hundred or Thousand
- **11.7** Identifying Pyramids
- **11.8** Identifying Prisms
- 11.9 Comparing Prisms and Pyramids
- 11.10 Making and Analysing 3D Objects
- **11.11** Exploring Nets
- 11.12 Joining 3D Objects

## **MODULE 12**

- **12.1** Using the Jump Strategy to Add Numbers to 9999
- **12.2** Partitioning to Add Three- and Four-Digit Numbers
- **12.3** Using the Split Strategy to Add Threeand Four-Digit Numbers
- **12.4** Using the Jump Strategy to Subtract from Four-Digit Numbers
- **12.5** Partitioning to Subtract Three- and Four-Digit Numbers from Four-Digit Numbers
- **12.6** Using the Split Strategy to Subtract Three- and Four-Digit Numbers from Four-Digit Numbers
- **12.7** Using Simple Maps
- **12.8** Using Grid References
- 12.9 Constructing and Interpreting Picture Graphs
- **12.10** Collecting Data and Constructing Column Graphs
- **12.11** Predicting Outcomes of a Chance Experiment
- **12.12** Exploring the Variation in Results