Chapter 1: Whole Numbers to 10000
1.1 Writing Numbers to 10000 ..... 4
1.2 Comparing and Ordering Numbers ..... 5
1.3 Rounding Numbers ..... 6
Chapter 2: Addition and Subtraction
2.1 Adding and Subtracting Using Mental Strategies ..... 7
2.2 Adding and Subtracting Four-digit Numbers ..... 8
Chapter 3: Multiplication and Division
3.1 Multiplying One-digit Numbers ..... 10
3.2 More Multiplying ..... 11
3.3 Dividing by One-digit Numbers ..... 12
3.4 More Dividing ..... 13
Chapter 4: Fractions
4.1 Describing Parts with Fractions ..... 14
4.2 Comparing and Ordering Fractions ..... 15
4.3 More about Fractions ..... 16
Chapter 5: Decimal Numbers to Tenths
5.1 Writing Decimal Numbers ..... 18
5.2 Comparing and Ordering Decimal Numbers ..... 19
5.3 Adding and Subtracting Decimal Numbers ..... 20
5.4 Fractions and Decimals ..... 21
Chapter 6: Money
6.1 Representing Money Amounts to \$100 ..... 23
6.2 Adding and Subtracting Money Amounts ..... 24
Chapter 7: Measurement
7.1 Measuring Length ..... 26
7.2 Measuring Mass ..... 27
7.3 Measuring Capacity ..... 28
7.4 Measuring Volume ..... 29
Chapter 8: Time
8.1 Measuring Time ..... 31
8.2 Reading and Showing Time on Clocks ..... 32
8.3 Finding Elapsed Time ..... 33
Chapter 9: Perimeter and Area
9.1 Finding Perimeter ..... 34
9.2 Finding Area ..... 35
9.3 Relating Perimeter and Area ..... 36
Chapter 10: Two-dimensional Shapes
10.1 Identifying Angles ..... 39
10.2 Classifying Quadrilaterals ..... 40
Chapter 11: Three-dimensional Figures
11.1 Naming and Describing 3-D Figures ..... 41
11.2 Constructing 3-D Figures ..... 42
Chapter 12: Locations and Movements
12.1 Locations and Movements on a Grid Map ..... 45
12.2 Making and Describing Reflections ..... 46
Chapter 13: Patterning
13.1 Describing Numeric and Geometric Patterns ..... 47
13.2 Solving Equations ..... 48
13.3 Using Properties of Multiplication ..... 49
Chapter 14: Data Management and Probability
14.1 Analyzing and Displaying Data ..... 51
14.2 Finding the Frequency of an Outcome ..... 53
Application Answers ..... 55

## Chapter 1

## Whole Numbers to 10000

## 1．1 Writing Numbers to 10000

At this level，your child is expected to be able to write numbers up to 1000. In this unit，he or she will learn to write numbers up to 10000 ．You may use drawings to help your child understand the value of thousands．

## Writing Numbers in Different Forms

Place value chart：shows the positions of the digits in a number


## Base－ten Blocks



弗 $=100$
目 $=10$
－$=1$

Standard form ： 2356
Expanded form ： $2000+300+50+6$
＂ 0 ＂is a place holder． Don＇t leave it out．
回 붑 $\rightarrow$ 2005 （not 25） place holders

## Writing Numbers in Words

Encourage your child to say the numbers they find in words．
e．g．number of pages in a book amount of juice in a bottle

Be extra careful when there are zeros in a number．
e．g． $405 \rightarrow$ four hundred five $450 \rightarrow$ four hundred fifty

### 1.2 Comparing and Ordering Numbers

In this unit, your child will learn to represent and compare whole numbers up to 10000 using base-ten blocks, number lines, and digit comparisons.

## Way 1 Using Base-ten Blocks

1st Draw base-ten blocks to represent the numbers.

2nd Compare the number of blocks each number has. The number that has more blocks is greater.


Way 2 Using a Number Line

1st Mark the numbers on a number line.

2nd The number that is farthest to the right is the greatest.


Way 3 Comparing Digits

1st Write the numbers on a place value chart.

2nd Compare the thousands. If the digits are the same, compare the hundreds, and so on, until the digits are different.


