

Chapter 1 – Numbers to 10 Million

Lesson 1 – Reading and Writing Numbers to 10 Million

To create and identify numbers to 10 000 000; to write in numerals and words numbers to 10 000 000.

Lesson 2 – Reading and Writing Numbers to 10 Million

To construct and record numbers to 10 000 000; to recognise the value of digits to 10 000 000.

Lesson 3 – Reading and Writing Numbers to 10 Million

To recognise and construct numbers to 10 000 000 using an abacus; to recognise the value of digits in numbers to 10 000 000 and write numbers using numerals and words.

Lesson 4 – Comparing Numbers to 10 Million

To compare numbers to 10 000 000 using place value.

Lesson 5 – Comparing and Ordering Numbers to 10 Million

To compare and order numbers to 10 000 000; to create combinations of numbers using a fixed number of digits.

Lesson 6 – Rounding Numbers

To round numbers to 10 000 000 to the nearest million, hundred thousand and ten thousand.

Lesson 7 – Rounding Numbers

To round numbers to the nearest appropriate number up to and including millions; to determine when rounding is appropriate and to which value.

Lesson 8 – Mind Workout

Chapter 2 – Four Operations on Whole Numbers

Lesson 1 – Using Mixed Operations

To use multiple operations and create expressions from a picture; to use the order of operations to solve expressions.

Lesson 2 – Using Mixed Operations

To create and solve expressions using the 4 operations.

Lesson 3 – Multiplying by Two-Digit Numbers

To multiply numbers by multiples of 10; to use number bonds as a key strategy in multiplication.

Lesson 4 – Multiplying by Two-Digit Numbers

To multiply 3- and 4-digit numbers by 2-digit numbers without regrouping or renaming; to use both number bonds and the column method as key strategies.

Lesson 5 – Multiplying by Two-Digit Numbers

To multiply 3- and 4-digit numbers by 2-digit numbers without regrouping or renaming; to use both number bonds and the column method as key strategies.

Lesson 6 – Multiplying by Two-Digit Numbers

Lesson 7 – Multiplying by Two-Digit Numbers

To multiply 3- and 4-digit numbers by 2-digit numbers with regrouping and renaming; to use number bonds and the column method as key strategies.

Lesson 8 – Estimating Products of Large Numbers

To estimate products of multiplying 3- and 4-digit numbers by a 2-digit numbers; to use knowledge of multiplication to create specific products.

Lesson 9 – Dividing by Two-Digit Numbers

To divide 3-digit numbers by 2-digit numbers using a variety of strategies; to use number bonds, long division and bar models to facilitate division by 2-digit numbers.

Lesson 10 – Dividing by Two-Digit Numbers

To divide 4-digit numbers by 2-digit numbers; to use number bonds and long division as the key strategies.

Lesson 11 – Dividing by Two-Digit Numbers

To divide 4-digit numbers by 2-digit numbers using a variety of methods; to use number bonds, long and short division as key methods.

Lesson 12 – Dividing by Two-Digit Numbers

To divide 3-digit numbers by 2-digit numbers giving rise to remainders; to use number bonds, long and short division as key strategies to solve division problems.

Lesson 13 – Dividing by Two-Digit Numbers

To divide 4-digit numbers by 2-digit numbers giving rise to remainder; to represent the remainder as part of a whole amount of money or decimal.

Lesson 14 – Solving Word Problems

To use the bar model heuristic to solve word problems involving multiplication and division.

Lesson 15 – Solving Word Problems

To solve word problems using division as the main strategy; using pictorial representations to support word problems.

Lesson 16 – Solving Word Problems

To solve word problems involving multiple operations, including multiplication and division.

Lesson 17 – Finding Common Multiples

To find common multiples in real life situations; to use common multiples in tandem with knowledge of time.

Lesson 18 – Finding Common Multiples

To use common multiples to solve problems; to organise mathematical thinking in to tables and lists.

Lesson 19 – Finding Common Factors

To find the largest common factor of 3-digit numbers; to use multiplication and division to find largest common factors.

Lesson 20 – Finding Common Factors

To find common factors using concrete materials.

Lesson 21 – Finding Prime Numbers

To use prime numbers to create other numbers; to explore prime numbers above 100.

Lesson 22 – Finding Prime Numbers

To explore prime numbers using concrete materials; to identify prime numbers using multiplication or division.

Lesson 23 – Mind Workout

Chapter 3 – Fractions

Lesson 1 – Simplifying Fractions

To use concrete materials to simplify fractions; to recognise equivalence in fractions to 1 quarter.

Lesson 2 – Simplifying Fractions

To simplify fractions using division and common factors; to represent fractions using concrete materials and pictorial representations.

Lesson 3 – Comparing and Ordering Fractions

To compare fractions and place them in order from smallest to largest.

Lesson 4 – Comparing and Ordering Fractions

To compare and order fractions by finding common denominators.

Lesson 5 – Comparing and Ordering Fractions

To compare and order fractions using common factors.

Lesson 6 – Adding and Subtracting Fractions

Adding and subtracting fractions with different denominators; using pictorial representations to compare fractions and add/subtract.

Lesson 7 – Adding and Subtracting Fractions

To add and subtract fractions of different denominators; to develop questions and word problems based on information provided

Lesson 8 – Adding and Subtracting Fractions

Lesson 9 – Adding and Subtracting Fractions

Lesson 10 – Adding and Subtracting Fractions

Lesson 11 – Multiplying Fractions

Lesson 12 – Multiplying Fractions

Lesson 13 – Multiplying Fractions

Lesson 14 – Dividing a Fraction by a Whole Number

Lesson 15 – Dividing a Fraction by a Whole Number

Lesson 16 – Dividing a Fraction by a Whole Number

Mind Workout – Mind Workout

Chapter 4 – Decimals

Lesson 1 – Writing and Reading Decimals

Lesson 2 – Dividing Whole Numbers

Lesson 3 – Dividing Whole Numbers

Lesson 4 – Writing Fractions as Decimals

Lesson 5 – Writing Fractions as Decimals

Lesson 6 – Multiplying Decimals

Lesson 7 – Multiplying Decimals

Lesson 8 – Multiplying Decimals

Lesson 9 – Multiplying Decimals

Lesson 10 – Dividing Decimals

Lesson 11 – Dividing Decimals

Lesson 12 – Multiplying a Decimal by a 2-Digit Whole Number

Lesson 13 – Dividing a Decimal by a 2-Digit Whole Number

Lesson 14 – Dividing a Decimal by a 2-Digit Whole Number

Lesson 15 – Mind Workout

Chapter 5 – Measurements

Lesson 1 – Converting Units of Length
Lesson 2 – Converting Units of Length
Lesson 3 – Converting Units of Length
Lesson 4 – Converting Units of Mass
Lesson 5 – Converting Units of Volume
Lesson 6 – Converting Units of Time
Lesson 7 – Mind Workout
Chapter 6 – Word Problems
Lesson 1 – Solving Word Problems
Lesson 2 – Solving Word Problems
Lesson 3 – Solving Word Problems
Lesson 4 – Solving Word Problems
Lesson 5 – Solving Word Problems
Lesson 6 – Solving Word Problems
Lesson 7 – Mind Workout