

# YEAR 6 (PART A)

## Textbook 6A schema

- **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

To multiply 3- and 4-digit numbers by 2-digit numbers with regrouping and renaming; to use number bonds and pattern recognition as key strategies for multiplication.

- 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

To read and write decimals to thousandths; to use concrete materials to represent decimals.

- Lesson 2 – Dividing Whole Numbers

To divide whole numbers by larger whole numbers; to use base ten materials to represent tenths, hundredths and thousandths.

- Lesson 3 – Dividing Whole Numbers

To divide whole numbers that give rise to decimals; calculate decimal fraction equivalents using long division.

- Lesson 4 – Writing Fractions as Decimals

To convert fractions into decimals using bar models and long division.

- Lesson 5 – Writing Fractions as Decimals

To write fractions as decimals; to use long division as the key strategy for turning fractions in to decimals.

- Lesson 6 – Multiplying Decimals

To multiply decimals by whole numbers using partitioning or the worded method to help find the solution.

- Lesson 7 – Multiplying Decimals

To multiply whole numbers that include a decimal by other whole numbers; to use partitioning and the worded method as key strategies.

- Lesson 8 – Multiplying Decimals

To multiply decimals by whole numbers including regrouping and renaming.

- Lesson 9 – Multiplying Decimals

To multiply decimals by whole numbers using a variety of methods; to use the heuristic 'making a list' to help solve a problem.

- Lesson 10 – Dividing Decimals

To divide decimals using number bonds and number discs as the key strategies.

- Lesson 11 – Dividing Decimals

To divide decimals using bar models, number bonds and long division as key strategies, including regrouping and renaming.

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

To multiply decimals by a 2-digit whole number using number discs and the column method.

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

To divide decimals by 2-digit numbers using number bonds and the worded method.

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

To divide decimals by 2-digit whole numbers using number bonds and the worded method.

- Lesson 15 – Mind Workout

- **Chapter 5 – Measurements**

- Lesson 1 – Converting Units of Length

To convert common measurements into m, cm, and mm.

- Lesson 2 – Converting Units of Length

To convert units of measure into different units; to use knowledge of decimals and fractions to help convert units.

- Lesson 3 – Converting Units of Length

To convert meters into kms as units of measure.

- Lesson 4 – Converting Units of Mass

To convert units of mass from g to kg using decimals and fractions.

- Lesson 5 – Converting Units of Volume

To convert units of volume from ml to l.

- Lesson 6 – Converting Units of Time

To convert units of time from min to h; to represent time using 24-hour notation.

- Lesson 7 – Mind Workout

- **Chapter 6 – Word Problems**

- Lesson 1 – Solving Word Problems

To use bar models to solve word problems involving the 4 operations.

- Lesson 2 – Solving Word Problems

To use the bar model heuristic to solve word problems involving the 4 operations.

- Lesson 3 – Solving Word Problems

To use the bar model heuristic to solve complex word problems involving time.

- Lesson 4 – Solving Word Problems

To solve complex word problems using pictorial representation and the 4 operations.

- Lesson 5 – Solving Word Problems

To create and solve word problems that apply the bar model heuristic and working backwards as the main strategies.

- Lesson 6 – Solving Word Problems

To create and solve complex word problems using the 4 operations.

- Lesson 7 – Mind Workout

## Workbook 6A schema

- **Chapter 1 – Numbers to 10 Million**

- Lesson 1 – Worksheet 1
- Lesson 2 – Worksheet 2
- Lesson 3 – Worksheet 3
- Lesson 4 – Worksheet 4
- Lesson 5 – Worksheet 5
- Lesson 6 – Worksheet 6
- Lesson 7 – Worksheet 7
- Lesson 8 – Mind Workout
- Lesson 9 – Review 1

- **Chapter 2 – Four Operations on Whole Numbers**

- Lesson 1 – Worksheet 1
- Lesson 2 – Worksheet 2

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- Lesson 6 – Worksheet 6
- Lesson 7 – Worksheet 7
- Lesson 8 – Worksheet 8
- Lesson 9 – Worksheet 9
- Lesson 10 – Worksheet 10
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- Lesson 16 – Worksheet 16
- Lesson 17 – Worksheet 17
- Lesson 18 – Worksheet 18
- Lesson 19 – Worksheet 19
- Lesson 20 – Worksheet 20
- Lesson 21 – Worksheet 21
- Lesson 22 – Worksheet 22
- Lesson 23 – Mind Workout
- Lesson 24 – Review 2

● **Chapter 3 – Fractions**

- Lesson 1 – Worksheet 1
- Lesson 2 – Worksheet 2
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- Lesson 4 – Worksheet 4
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- Lesson 6 – Worksheet 6
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- Lesson 8 – Worksheet 8
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- Lesson 12 – Worksheet 12
- Lesson 13 – Worksheet 13
- Lesson 14 – Worksheet 14
- Lesson 15 – Worksheet 15
- Lesson 16 – Worksheet 16
- Lesson 17 – Mind Workout
- Lesson 18 – Review 3

● **Revision 1 – Revision 2**

- Lesson 1 – Revision 1

● **Chapter 4 – Decimals**

- Lesson 1 – Worksheet 1
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- Lesson 3 – Worksheet 3
- Lesson 4 – Worksheet 4
- Lesson 5 – Worksheet 5
- Lesson 6 – Worksheet 6
- Lesson 7 – Worksheet 7
- Lesson 8 – Worksheet 8
- Lesson 9 – Worksheet 9
- Lesson 10 – Worksheet 10
- Lesson 11 – Worksheet 11
- Lesson 12 – Worksheet 12
- Lesson 13 – Worksheet 13
- Lesson 14 – Worksheet 14
- Lesson 15 – Mind Workout

- Lesson 16 – Review 4
- **Chapter 5 – Measurements**
  - Lesson 1 – Worksheet 1
  - Lesson 2 – Worksheet 2
  - Lesson 3 – Worksheet 3
  - Lesson 4 – Worksheet 4
  - Lesson 5 – Worksheet 5
  - Lesson 6 – Worksheet 6
  - Lesson 7 – Mind Workout
  - Lesson 8 – Review 5
- **Chapter 6 – Word Problems**
  - Lesson 1 – Worksheet 1
  - Lesson 2 – Worksheet 2
  - Lesson 3 – Worksheet 3
  - Lesson 4 – Worksheet 4
  - Lesson 5 – Worksheet 5
  - Lesson 6 – Worksheet 6
  - Lesson 7 – Mind Workout
  - Lesson 8 – Review 6
- **Revision 2 – Revision 2**
  - Lesson 1 – Revision 2
- **Mid Year Revision – Mid Year Revision**
  - Lesson 1 – Section A
  - Lesson 2 – Section B
  - Lesson 3 – Section C