

YEAR 5 (PART A)

Textbook 5A schema

- **Chapter 1 – Numbers to 1 000 000**

- Lesson 1 – Reading and Writing Numbers to 100 000
To read and represent numbers to 100 000.
- Lesson 2 – Reading and Writing Numbers to 1 000 000
To read and represent numbers to 1 000 000.
- Lesson 3 – Reading and Writing Numbers to 1 000 000
To read and represent numbers to 1 000 000 using number discs.
- Lesson 4 – Comparing Numbers to 1 000 000
To compare numbers to 1 000 000 using place value.
- Lesson 5 – Comparing Numbers to 1 000 000
To compare numbers to 1 000 000 using place value.
- Lesson 6 – Comparing Numbers to 1 000 000
To compare numbers to 1 000 000 using pictorial representations and proportionality.
- Lesson 7 – Comparing Numbers to 1 000 000
To compare numbers to 1 000 000 from pictorial representations, using lists and number lines.
- Lesson 8 – Making Number Patterns
To make and identify patterns in numbers using knowledge of place value.
- Lesson 9 – Making Number Patterns
To make number patterns that decrease in multiples of 10 000 or 100 000.
- Lesson 10 – Rounding Numbers
To round numbers to the nearest 10 000 using number lines and bar graphs.
- Lesson 11 – Rounding Numbers
To round numbers to the nearest 100 000 using number lines and bar graphs.
- Lesson 12 – Rounding Numbers

To round numbers to the nearest 100, 1000, 10 000 and 100 000 using number lines.

- Mind Workout – Mind Workout

- **Chapter 2 – Whole Numbers: Addition and Subtraction**

- Lesson 1 – Counting On to Add

To add using the 'counting on' strategy with concrete materials and number lines.

- Lesson 2 – Counting Backwards to Subtract

To subtract using the counting backwards strategy with concrete materials.

- Lesson 3 – Adding within 1 000 000

To add numbers within 1 000 000 using rounding and concrete materials.

- Lesson 4 – Adding and Subtracting within 1 000 000

To use addition and subtraction to solve comparison problems with numbers to 1 000 000.

- Lesson 5 – Adding within 1 000 000

To add numbers within 1 000 000 using the column method of addition.

- Lesson 6 – Subtracting within 1 000 000

To subtract using the column method, number bonds and number discs using numbers to 1 000 000.

- Lesson 7 – Adding and Subtracting within 1 000 000

To add and subtract using number bonds as a key strategy using numbers within 1 000 000.

- Lesson 8 – Adding within 1 000 000

To consolidate and refine addition skills and place-value knowledge to solve addition problems.

- Lesson 9 – Subtracting within 1 000 000

To subtract numbers to 1 000 000 using concrete materials, the column method and number bonds.

- Lesson 10 Part 1 – Subtracting within 1 000 000

To consolidate and refine subtraction skills and place-value knowledge to solve subtraction problems.

- Lesson 10 Part 2 – Subtracting within 1 000 000

To consolidate and refine subtraction skills and place-value knowledge to solve subtraction problems.

- Mind Workout – Mind Workout

- **Chapter 3 – Whole Numbers: Multiplication and Division**

- Lesson 1 – Finding Multiples

To consolidate and review multiplication; to find the result of multiplying by a number.

- Lesson 2 – Finding Factors

To consolidate and review multiplication; to find the numbers we can multiply by to get a number.

- Lesson 3 – Finding Common Factors

To define and find common factors of numbers to 100.

- Lesson 4 – Finding Prime Numbers

To identify and name the prime numbers; to recognise prime numbers as numbers that only have 2 factors.

- Lesson 5 – Finding Prime Numbers

To define and determine prime numbers to 100.

- Lesson 6 – Finding Square and Cube Numbers

To create and determine square and cubed numbers.

- Lesson 7 – Multiplying 10, 100 and 1000

To multiply 1- and 2-digit numbers by 10, 100 and 1000.

- Lesson 8 – Multiplying 2-Digit and 3-Digit Numbers by a Single Digit

To multiply 2- and 3-digit numbers by a single-digit number using multiple strategies.

- Lesson 9 – Multiplying 4-Digit Numbers

To multiply 4-digit numbers by single digit numbers.

- Lesson 10 – Multiplying 4-Digit Numbers

To multiply 4-digit numbers by single-digit numbers with regrouping, using a variety of strategies.

- Lesson 11 – Multiplying 4-Digit Numbers

To multiply a 4-digit number by a single-digit number, with regrouping from the ones, tens and hundreds, using multiple methods.

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

To multiply 2-digit numbers by 2-digit numbers using multiple methods.

- Lesson 13 – Multiplying a 2-Digit Number by a 2-Digit Number

To multiply a 2-digit number by a 2-digit number using multiple methods, including the grid method, number bonds and column method, with regrouping.

- Lesson 14 – Multiplying a 3-Digit Number by a 2-Digit Number

To multiply a 3-digit number by a 2-digit number, with the grid method and column method being key strategies.

- Lesson 15 – Multiplying a 3-Digit Number by a 2-Digit Number

To multiply a 3-digit number by a 2-digit number with regrouping, using the column method as the key strategy.

- Lesson 16 – Dividing by 10, 100 and 1000

To find 1000s, 100s and 10s in a 4-digit number using concrete materials.

- Lesson 17 – Dividing 3-Digit and 4-Digit Numbers

To divide 3- and 4-digit numbers by 1-digit numbers using number bonds and long division as the key methods.

- Lesson 18 – Dividing 4-Digit Numbers

To divide 4-digit numbers by single-digit numbers, where number bonds and long division are the key strategies.

- Lesson 19 – Dividing with Remainder

To divide 3-digit numbers by single-digit numbers using long division, short division and mental methods that gives rise to remainders.

- Mind Workout – Mind Workout

- **Chapter 4 – Whole Numbers: Word Problems**

- Lesson 1 – Solving Word Problems

To solve word problems involving multiple operations; to identify the operation needed to carry out the plan.

- Lesson 2 – Solving Word Problems

To solve word problems involving multiplication and division using bar models as the main heuristic.

- Lesson 3 – Solving Word Problems

To solve word problems involving multiple operations, identifying key information and representing information using model diagrams.

- Lesson 4 – Solving Word Problems

To solve word problems involving multiple operations, using bar models as they key heuristic to represent key information.

- Mind Workout – Mind Workout

- **Chapter 5 – Graphs**

- Lesson 1 – Reading Tables

To read the information presented in a table and interpret its meaning.

- Lesson 2 – Reading Tables

To read and respond to information presented in a table.

- Lesson 3 – Reading Tables

To read and respond to tables that have a variety of data sets.

- Lesson 4 – Reading Line Graphs

To read and interpret information provided in a line graph where a single line represents the data.

- Lesson 5 – Reading Line Graphs

To read and interpret the information presented in a line graph where the data is represented by more than 1 line.

- Lesson 6 – Reading Line Graphs

To read and interpret information presented on a line graph when data is presented on more than 1 line.

- Lesson 7 – Reading Line Graphs

To read and interpret information presented in a table and turn it into a line graph; to determine relationships between data sets.

- Mind Workout – Mind Workout

- **Chapter 6 – Fractions**

- Lesson 1 – Dividing to Make Fractions

To divide whole numbers to create fractions; to create mixed numbers and improper fractions when dividing whole numbers.

- Lesson 2 – Writing Improper Fractions and Mixed Numbers

To write improper fractions and mixed numbers using a number line and pictorial methods.

- Lesson 3 – Finding Equivalent Fractions

To find equivalent fractions using pictorial methods.

- Lesson 4 – Comparing and Ordering Fractions

To compare and order fractions using the pictorial method.

- Lesson 5 – Comparing and Ordering Fractions

To compare and order improper fractions using the pictorial method.

○ Lesson 6 – Comparing and Ordering Fractions

To compare mixed numbers using pictorial representations; to find common denominators where one fraction is already the common denominator for all fractions in the question.

○ Lesson 7 – Making Number Pairs

To make number pairs (number bonds) with fractions of different denominators.

○ Lesson 8 – Adding Fractions

To add unlike fractions by finding a common denominator using pictorial methods.

○ Lesson 9 – Adding Fractions

To add unlike fractions by finding a common denominator using pictorial methods.

○ Lesson 10 – Adding Fractions

To add together unlike fractions where the sum is greater than 1, creating mixed numbers or improper fractions.

○ Lesson 11 – Adding Fractions

To add unlike fractions which create improper fractions and mixed numbers that give rise to simplification.

○ Lesson 12 – Subtracting Fractions

To subtract fractions with different denominators; to subtract fractions from whole numbers.

○ Lesson 13 – Subtracting Fractions

To subtract fractions where the denominators are not the same; to use bar models as a key strategy for subtracting fractions.

○ Lesson 14 – Subtracting Fractions

To subtract fractions and mixed numbers from mixed numbers with different denominators.

○ Lesson 15 – Multiplying Fractions by Whole Numbers

To multiply fractions by whole numbers creating other fractions, mixed numbers or improper fractions.

○ Lesson 16 – Multiplying Fractions by Whole Numbers

To multiply fractions by whole numbers where the product is an improper fraction or mixed number.

○ Lesson 17 – Multiplying Mixed Numbers

To multiply mixed numbers by whole numbers, creating larger mixed numbers.

○ Lesson 18 – Multiplying Mixed Numbers by Whole Numbers

To multiply mixed numbers by whole numbers in multi-step word problems.

- Mind Workout – Mind Workout

Workbook 5A schema

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- Worksheet 2 – Reading and Writing Numbers to 1 000 000
- Worksheet 3 – Reading and Writing Numbers to 1 000 000
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- Worksheet 5 – Comparing Numbers to 1 000 000
- Worksheet 6 – Comparing Numbers to 1 000 000
- Worksheet 7 – Comparing Numbers to 1 000 000
- Worksheet 8 – Making Number Patterns
- Worksheet 9 – Making Number Patterns
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- Worksheet 11 – Rounding Numbers
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- Review 1 – Review 1

- **Chapter 2 – Whole Numbers: Addition and Subtraction**

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- Worksheet 3 – Adding within 1 000 000
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- Worksheet 6 – Subtracting within 1 000 000
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- Worksheet 8 – Adding within 1 000 000
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- Mind Workout – Mind Workout
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- **Chapter 3 – Whole Numbers: Multiplication and Division**

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- Worksheet 2 – Finding Factors
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- Worksheet 4 – Finding Prime Numbers
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- Worksheet 6 – Finding Square and Cube Numbers
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- Worksheet 8 – Multiplying 2-Digit and 3-Digit Numbers by a Single Digit
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- Worksheet 10 – Multiplying 4-Digit Numbers
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- Worksheet 13 – Multiplying a 2-Digit Number by a 2-Digit Number
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- Worksheet 15 – Multiplying a 3-Digit Number by a 2-Digit Number
- Worksheet 16 – Dividing by 10, 100 and 1000
- Worksheet 17 – Dividing 3-Digit and 4-Digit Numbers

- Worksheet 18 – Dividing 4-Digit Numbers
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- Review 3 – Review 3
- **Chapter 4 – Whole Numbers: Word Problems**
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 - Revision 1 – Revision 1
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 - Worksheet 16 – Multiplying Fractions by Whole Numbers
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 - Worksheet 18 – Multiplying Mixed Numbers by Whole Numbers
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- **Revision 2 – Revision 2**
 - Revision 2 – Revision 2
- **Mid-Year Revision – Mid-Year Revision**
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 - Section B 30-40 – Section B 30-40
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