

YEAR 2 (PART A)

Textbook 2A schema

- **Chapter 1 – Numbers to 100**

- Lesson 1 – Numbers to 100

To count numbers up to 100 using concrete objects: counting up by 1s and 10s.

- Lesson 2 – Place Value

To understand each digit in a number has its own value.

- Lesson 3 – Comparing Numbers

To be able to compare numbers using place value knowledge gained from previous lessons.

- Lesson 4 – Number Bonds

To be able to split a number into two separate numbers which combine to make the original number: partitioning a number into tens and units.

- Lesson 5 – Number Patterns

To recognise and describe number patterns that go up and down by 1s, 2s or 10s.

- Lesson 6 – Number Patterns

To recognise and describe patterns with more complex numbers: in particular 3 and 5.

- Mind Workout – Mind Workout

To use place value knowledge to think about the effects of each digit in a number.

- **Chapter 2 – Addition and Subtraction**

- Lesson 1 – Simple Adding

To be able to add a single-digit number to a 2-digit number without regrouping the ones.

- Lesson 2 – Simple Adding

Simple addition of 10s and ones. The key concept in this lesson is to make sure pupils understand that they can work out the sum of larger numbers in the ten times table by looking at the digit in the tens column and finding out the total number of 10s in the calculation. This is an important step before moving on to numbers with values greater than 0 for both tens and ones.

- Lesson 3 – Simple Adding

This lesson is a follow on from the previous lesson. In this lesson the units column will consist of one digit being more than 0.

- Lesson 4 – Simple Adding

To add with tens and units where the units are both more than 0.

- Lesson 5 – Adding with Renaming

To add single-digit numbers to a double-digit number resulting in renaming of units.

- Lesson 6 – Adding with Renaming

To add two 2-digit numbers with the sum of units more than or equal to 10. This lesson is the natural next step from the previous lesson.

- Lesson 7 – Simple Subtracting

To consider the first steps of subtraction: subtracting units from a 2-digit number without affecting the 10s column.

- Lesson 8 – Simple Subtracting

To focus on subtracting mainly in the tens column whilst using unit subtraction to draw out similarities.

- Lesson 9 – Simple Subtracting

To focus on subtracting tens from a 2-digit number with the ones being more than 0.

- Lesson 10 – Simple Subtracting

To subtract a 2-digit number by another 2-digit number. In this lesson both 2-digit numbers have a value for ones but the subtraction does not stay within each column and there is no need to rename any groups.

- Lesson 11 – Subtracting with Renaming

To subtract a 2-digit number by a 1-digit number. The key concept covered in this lesson is when subtraction forces us to rename the units group as there are not enough units to subtract in the first place.

- Lesson 12 – Subtracting with Renaming

To subtract a 2-digit number by another 2-digit number where renaming has to occur.

- Lesson 13 – Addition of Three Numbers

To add three single-digit numbers.

- Mind Workout – Mind Workout

- **Chapter 3 – Multiplication of 2, 5 and 10**

- Lesson 1 – Multiplication as Equal Groups

To realise multiplication is the same as repeated addition with equal groups.

- Lesson 2 – 2 Times Table

To focus on understanding and learning the 2 times table.

- Lesson 3 – 2 Times Table

To continue to focus on the 2 times table whilst also looking at number patterns formed in the 2 times table.

- Lesson 4 – 5 Times Table

To cover the basics of the 5 times table and to highlight multiplication visually as equal groups.

- Lesson 5 – 5 Times Table

To look at the 5 times table in more depth. Pupils will look at patterns and think of strategies that will help them answer questions on this times table.

- Lesson 6 – 10 Times Table

To introduce the 10 times table by focusing on the numbers found in the 10 times table.

- Lesson 7 – 10 Times Table

To look at the 10 times table in more detail by looking at patterns and relationships.

- Lesson 8 – Multiplying by 2, 5 and 10

To investigate links between the 2, 5 and 10 times tables. To understand commutative law.

- Lesson 9 – Multiplying by 2, 5 and 10

To use knowledge of the 2, 5 and 10 times tables to investigate commutative law further.

- Lesson 10 – Solving Word Problems

To use the 2, 5 and 10 times tables to solve word problems.

- Mind Workout – Mind Workout

To use the newly-gained knowledge of multiplication to solve problems.

- **Chapter 4 – Multiplication and Division of 2, 5 and 10**

- Lesson 1 – Grouping

To understand that grouping is a way of dividing.

- Lesson 2 – Sharing

To be able to divide by sharing an amount.

- Lesson 3 – Dividing by 2

To be able to divide by 2. The two strategies used here are splitting into groups of x and splitting into equal groups of many.

- Lesson 4 – Dividing by 5

To be able to divide by 5 and identify links with multiplying by 5.

- Lesson 5 – Dividing by 10

To be able to divide by 10 and identify links with multiplying by 10.

- Lesson 6 – Multiplication and Division

Use multiplication and division skills to identify family facts in a number sentence.

- Lesson 7 – Solving Word Problems

Understand and solve word problems which require the use of the multiplication and division skills covered in this chapter.

- Lesson 8 – Odd and Even Numbers

To be able to link whether odd or even numbers can be divisible by 2, 5 or 10.

- Mind Workout – Mind Workout

To use multiplication and division knowledge in problem solving and to create equations from questions.

• Chapter 5 – Length

- Lesson 1

To be able to understand that we measure length using a standard unit of measure called a metre.

- Lesson 2 – Measuring Length in Centimetres

To be able to understand that a centimetre is a smaller unit of measure than a metre and that you can measure length, height and width using the same unit of measure.

- Lesson 3 – Comparing Length in Metres

To be able to compare length for objects using greater than and less than symbols.

- Lesson 4 – Comparing Length in Centimetres

To be able to compare different lengths using centimetres as the unit of measure.

- Lesson 5 – Comparing the Length of Lines

To be able to compare and measure various line lengths: both straight and curvy.

- Lesson 6 – Solving Word Problems

To be able to solve problems involving measurement in the context of word problems.

- Lesson 7 – Solving Word Problems

To be able to solve addition and multiplication word problems involving measurement.

- Lesson 8 – Solving Word Problems

To be able to solve addition and division word problems involving measurement.

- Lesson 9 – Chapter End

- **Chapter 6 – Mass**

- Lesson 1 – Measuring Mass in Kilograms

To understand that mass is measured in kilograms and by using scales.

- Lesson 2 – Measuring Mass in Grams

To be able to measure mass in grams and to understand that it is a smaller unit of measure than a kilogram.

- Lesson 3 – Measuring Mass in Grams

To be able to measure mass accurately in grams using scales.

- Lesson 4 – Comparing Masses of Two Objects

To be able to compare the mass of two different objects accurately.

- Lesson 5 – Comparing the Mass of Three Objects

To be able to compare the mass of three objects and use the appropriate vocabulary.

- Lesson 6 – Solving Word Problems

To solve word problems in the context of mass.

- Lesson 7 – Solving More Word Problems

To solve word problems on mass.

- Lesson 8 – Chapter End

To solve problems that involve comparing, using scales and balances to measure mass accurately.

- **Chapter 7 – Temperature**

- Lesson 1 – Reading Temperature

To be able to read temperature in celsius accurately.

- Lesson 2 – Estimating temperature

To be able to estimate temperature and to read thermometers to confirm the estimate.

- Lesson 3 – Chapter End

To be able to understand how temperature is read and how to order temperatures from highest to lowest.

- **Chapter 8 – Picture Graphs**

- Lesson 1 – Reading Picture Graphs

To be able to read a picture graph with confidence.

- Lesson 2 – Reading Picture Graphs

To be able to read and interpret a picture graph with confidence.

- Lesson 3 – Reading Picture Graphs

To be able to read and interpret a picture graph where the value of the picture can represent more than 1.

- Lesson 4 – Reading Picture Graphs

To be able to read and interpret a picture graph where the value of the picture can represent more than 1.

- Lesson 5 – Reading Picture Graphs

To be able to read, interpret and create a picture graph where the value of the picture can represent more than 1.

- Lesson 6 – Chapter End

To consolidate knowledge on how to read, interpret and create a picture graph where the value of the picture can represent more than 1.

Workbook 2A schema

- **Chapter 1 – Numbers to 100**

- Worksheet 1 – Counting to 100
- Worksheet 2 – Place Value
- Worksheet 3 – Comparing Numbers
- Worksheet 4 – Number Bonds
- Worksheet 5 – Making Number Patterns
- Worksheet 6 – Making Number Patterns
- Mind Workout – Mind Workout
- Review 1 – Review 1

- **Chapter 2 – Addition and Subtraction**

- Worksheet 1 – Simple Adding
- Worksheet 2 – Simple Adding
- Worksheet 3 – Simple Adding
- Worksheet 4 – Simple Adding
- Worksheet 5 – Adding with Renaming
- Worksheet 6 – Addition with Renaming
- Worksheet 7 – Simple Subtracting
- Worksheet 8 – Simple Subtracting
- Worksheet 9 – Simple Subtracting
- Worksheet 10 – Simple Subtracting
- Worksheet 11 – Subtracting with Renaming

- Worksheet 12 – Subtracting with Renaming
- Worksheet 13 – Addition of Three Numbers
- Mind Workout – Mind Workout
- Review 2 – Review 2
- **Chapter 3 – Multiplication of 2, 5 and 10**
 - Worksheet 1 – Multiplication as Equal Groups
 - Worksheet 2 – Times Table
 - Worksheet 3 – Times Table
 - Worksheet 4 – Times Table
 - Worksheet 5 – Times Table
 - Worksheet 6 – Times Table
 - Worksheet 7 – 10 Times Table
 - Worksheet 8 – Multiply by 2, 5 and 10
 - Worksheet 9 – Multiplying by 2, 5 and 10
 - Worksheet 10 – Solving Word Problems
 - Mind Workout – Mind Workout
 - Review 3 – Review 3
- **Chapter 4 – Multiplication and Division of 2, 5 and 10**
 - Worksheet 1 – Grouping
 - Worksheet 2 – Sharing
 - Worksheet 3 – Dividing by 2
 - Worksheet 4 – Dividing by 5
 - Worksheet 5 – Dividing by 10
 - Worksheet 6 – Multiplication and Division
 - Worksheet 7 – Solving Word Problems
 - Worksheet 8 – Odd and Even Numbers
 - Mind Workout – Mind Workout
 - Review 4 – Review 4
- **Revision 1 – Revision 1**
 - Questions 1-6 – Questions 1-6
 - Questions 7-10 – Questions 7-10
- **Chapter 5 – Chapter 5**
 - Worksheet 1 – Length
 - Worksheet 2 – Measuring Length in Centimetres
 - Worksheet 3 – Comparing Length in Metres
 - Worksheet 4 – Comparing Length in Centimetres
 - Worksheet 5 – Comparing the Length of Lines
 - Worksheet 6 – Solving Word Problems
 - Worksheet 7 – Solving Word Problems
 - Worksheet 8 – Solving Word Problems
 - Mind Workout – Mind Workout
 - Review 5 – Review 5
- **Chapter 6 – Mass**
 - Worksheet 1 – Measuring Mass in Kilograms
 - Worksheet 2 – Measuring Mass in Kilograms
 - Worksheet 3 – Measuring Mass in Grams
 - Worksheet 4 – Comparing Mass of Two Objects
 - Worksheet 5 – Comparing Mass of Three Objects
 - Worksheet 6 – Solving Word Problems
 - Worksheet 7 – Solving More Word Problems
 - Mind Workout – Mind Workout
 - Review 6 – Review 6
- **Chapter 7 – Temperature**
 - Worksheet 1 – Reading Temperature
 - Worksheet 2 – Estimating Temperature

- Mind Workout – Mind Workout
- Review 7 – Review 7
- **Chapter 8 – Picture Graphs**
 - Worksheet 1 – Reading Picture Graphs
 - Worksheet 2 – Reading Picture Graphs
 - Worksheet 3 – Reading Picture Graphs
 - Worksheet 4 – Reading Picture Graphs
 - Worksheet 5 – Reading Picture Graphs
 - Mind Workout – Mind Workout
 - Review 8 – Review 8
- **Revision 2 – Revision 2**
 - Questions 1-6 – Questions 1-6
 - Questions 7-10 – Questions 1-10
- **Mid Year Revision – Mid Year Revision**
 - Section A Q1-10 – Section A Q1-10
 - Section B Q11-23 – Section B Q11-23
 - Section B Q24-31 – Section B Q24-31
 - Section B Q32-40 – Section C Q32-40
 - Section C Q41-45 – Section C Q41-45