

# YEAR 3 (PART A)

## Maths No Problem Textbook 3A schema

- **Chapter 1 – Numbers to 1000**

- Lesson 1 – Counting in Hundreds

To learn to count in 100s and understand the place value. Pupils will also understand how many 100s are needed to make a 1000.

- Lesson 2 – Counting in Hundreds Tens and Ones

To compose and decompose numbers consisting of 100s, 10s and 1s.

- Lesson 3 – Place Value

To understand the value of each digit in a 3-digit number. .

- Lesson 4 – Comparing and Ordering Numbers

To be able to compare and order numbers.

- Lesson 5 – Comparing and Ordering Numbers

To be able to count in 50s

- Lesson 6 – Number Patterns

To recognise, describe and continue a number pattern.

- Lesson 6 – Number Patterns

To be able to recognise, describe and complete more complicated number patterns.

- Lesson 8 – Counting in Fours and Eights

To be able to count in 4s and 8s.

- Mind Workout – Mind Workout

Use problem solving skills.

- **Chapter 2 – Addition and Subtraction**

- Lesson 1 – Addition and Subtraction Facts

To understand commutative law of addition and the corresponding addition and subtraction facts.

- Lesson 2 – Simple Adding

To understand simple addition where only the ones column will be affected.

- Lesson 3 – Simple Adding

To add multiples of 10 to a 3-digit number.

- Lesson 4 – Simple Adding

To add multiples of 100s to a 3-digit number.

- Lesson 5 – Simple Adding

To add two 3-digit numbers.

- Lesson 6 – Adding with Renaming

To add numbers and rename 1s.

- Lesson 7 – Adding with Renaming

To add with renaming in 10s.

- Lesson 8 – Adding with Renaming

To add two 3-digit numbers with renaming the 1s.

- Lesson 9 – Adding with Renaming

To add two 2-digit numbers with renaming the 10s.

- Lesson 10 – Adding with Renaming

To add with renaming in 1s and 10s. Contributor

- Lesson 11 – Simple Subtracting

To do simple subtraction by taking away a single-digit number from a 2-digit number without renaming.

- Lesson 12 – Simple Subtracting

To do simple subtraction by taking away a single-digit number from a 3-digit number without renaming.

- Lesson 13 – Simple Subtracting

To subtract multiples of 10, up to 90, from a 3-digit number.

- Lesson 14 – Simple Subtracting

To subtract hundreds from a 3-digit number and to subtract multiples of 1 and 10 from a 3-digit number.

- Lesson 15 – Simple Subtracting

To understand simple subtraction of a 3-digit number by another 3-digit number with no renaming.

- Lesson 16 – Subtracting with Renaming

To subtract with renaming in 10s and 1s.

- Lesson 17 – Subtracting with Renaming

To subtract with renaming 100s.

- Lesson 18 – Subtracting with Renaming

To subtract with regrouping tens and hundreds.

- Lesson 19 – Subtracting with Renaming

To subtract a 3-digit number with zeros.

- Lesson 20 – Using Models

To solve addition and subtraction problems using the Bar Model.

- Lesson 21 – Using Models

To use the Bar Model to solve problems.

- Lesson 22 – Using Models

To solve complicated problems involving addition and subtraction.

- Lesson 23 – Using Models

To solve more complicated problems involving addition and subtraction.

- Mind Workout – Mind Workout

To solve problems using addition and subtraction and use the model to represent a problem.

### • Chapter 3 – Multiplication and Division

- Lesson 1 – Multiplying by 3

To multiply by 3.

- Lesson 2 – Multiplying by 3

To multiply by 3.

- Lesson 3 – Multiplying by 4

To multiply by 4.

- Lesson 4 – Multiplying by 4

To multiply by 4.

- Lesson 5 – Multiplying by 4 and 8

To multiply by 4 and 8.

- Lesson 6 – Multiplying by 8

To multiply by 8.

- Lesson 7 – Multiplying by 8

To multiply by 8.

- Lesson 8 – Dividing by 3

To divide by 3.

- Lesson 9 – Dividing by 4

To divide by 4.

- Lesson 10 – Multiplying and Dividing

To find relationships between multiplication and division.

- Lesson 11 – Dividing by 4 and 8

To divide by 4 and 8.

- Lesson 12 – Solving Word Problems

To solve word problems with multiplication.

- Lesson 13 – Solving Word Problems

To solve word problems that involve division.

- Lesson 14 – Solving Word Problems

To solve more word problems involving multiplication and division.

- Lesson 15 – Solving Word Problems

To solve problems.

- Mind Workout – Mind Workout

To solve problems using multiplication and division.

- **Chapter 4 – Further Multiplication and Division**

- Lesson 1 – Multiplying 2-Digit Numbers

To multiply multiples of 10 by a 1-digit number.

- Lesson 2 – Multiplying 2-Digit Numbers  
To multiply any 2-digit number by a single-digit number.
- Lesson 3 – Multiplying 2-Digit Numbers  
To multiply more 2-digit numbers.
- Lesson 4 – Multiplying 2-Digit Numbers  
To multiply with regrouping.
- Lesson 5 – Multiplying with Regrouping  
To multiply with regrouping.
- Lesson 6 – Simple Dividing  
To understand simple division of a 2-digit number by a 1-digit number.
- Lesson 7 – Dividing with Regrouping  
To divide where there is a need to regroup.
- Lesson 8 – Dividing with Regrouping  
To use long division to divide.
- Lesson 9 – Solving Word Problems  
To solve word problems that involve multiplication.
- Lesson 10 – Solving Word Problems  
To solve word problems involving division.
- Lesson 11 – Solving Word Problems  
To solve more challenging word problems.
- Mind Workout – Mind Workout  
To solve complex word problems. Create word problems.

- **Chapter 5 – Length**

- Lesson 1 – Writing Length in Metres and Centimetres  
To use metres and centimetres to measure objects.
- Lesson 2 – Writing Length in Centimetres  
To write length in centimetres only by converting metres to centimetres.
- Lesson 3 – Writing Length in Metres

To convert kilometres to metres.

- Lesson 4 – Writing Length in Kilometres Metres

To convert length from metres to km and m.

- Lesson 5 – Comparing Length

To compare two lengths.

- Lesson 6 – Solving Word Problems

To solve measurement-related word problems.

- Lesson 7 – Solving Word Problems

Solving other word problems.

- Lesson 8 – Solving Word Problems

To solve word problems further, involving multiplication.

- Lesson 9 – Solving Word Problems

To solve word problems associated with length using division.

- Lesson 10 – Solving Word Problems

To solve more challenging word problems.

- Mind Workout – Mind Workout

To create and solve word problems.

## • Chapter 6 – Mass

- Lesson 1 – Reading Weighing Scales

To measure mass using weighing scales and compare the mass of objects using g and kg.

- Lesson 2 – Reading Weighing Scales

To use weighing scales to measure mass when the mass is between multiples of 100 g.

- Lesson 3 – Reading Weighing Scales

To read values on a scale which are 1 kg or more.

- Lesson 4 – Reading Weighing Scales

To weigh heavier items where the units in the scales represent 200g each.

- Lesson 5 – Solving Word Problems

To solve word problems relating to mass with addition and subtraction.

- Lesson 6 – Solving Word Problems

To solve word problems relating to mass using multiplication.

- Lesson 7 – Solving Word Problems

To solve word problems relating to mass using division.

- Mind Workout – Mind Workout

To be able to work out the value of each small marking on a scale and to estimate the mass of objects.

- **Chapter 7 – Volume**

- Lesson 1 – Measuring Volume in Millilitres

To measure volume in millilitres.

- Lesson 1 – Measuring Capacity in Millilitres

To measure capacity in millilitres.

- Lesson 3 – Measuring Volume in Millilitres and Litres

To measure volume using millilitres and litres.

- Lesson 4 – Measuring Capacity in Millilitres and Litres

To measure volume in millilitres and litres from a "homemade" bottle with markings.

- Lesson 5 – Writing Volume in Litres and Millilitres

To measure volume using ml and litres in comparison to 1 l.

- Lesson 6 – Writing Capacity in Litres and Millilitres

To measure larger capacity in litres and millilitres.

- Lesson 7 – Solving Word Problems

To solve basic word problems related to volume.

- Lesson 8 – Solving Word Problems

To solve more word problems.

- Lesson 9 – Solving Word Problems

To solve word problems through division.

- Lesson 10 – Solving Word Problems

To solve two-step word problems.

- Mind Workout – Mind Workout

To achieve a higher-level understanding of volume.

## Workbook 3A schema

- **Chapter 1 – Numbers to 1000**
  - Worksheet 1 – Counting in Hundreds
  - Worksheet 2 – Counting in Hundreds, Tens and Ones
  - Worksheet 3 – Place Value
  - Worksheet 4 – Comparing and Ordering Numbers
  - Worksheet 5 – Counting in Fifties
  - Worksheet 6 – Number Patterns
  - Worksheet 7 – Number Patterns
  - Worksheet 8 – Counting in Fours and Eights
  - Mind Workout – Mind Workout
  - Review 1 – Review 1
- **Chapter 2 – Addition and Subtraction**
  - Worksheet 1 – Addition and Subtraction Facts
  - Worksheet 2 – Simple Adding
  - Worksheet 3 – Simple Adding
  - Worksheet 4 – Simple Adding
  - Worksheet 5 – Simple Adding
  - Worksheet 6 – Adding and Renaming
  - Worksheet 7 – Adding and Renaming
  - Worksheet 8 – Adding and Renaming
  - Worksheet 9 – Adding and Renaming
  - Worksheet 10 – Adding and Renaming
  - Worksheet 11 – Simple Subtracting
  - Worksheet 12 – Simple Subtracting
  - Worksheet 13 – Simple Subtracting
  - Worksheet 14 – Simple Subtracting
  - Worksheet 15 – Simple Subtracting
  - Worksheet 16 – Simple Subtracting
  - Worksheet 17 – Subtracting with Renaming
  - Worksheet 18 – Subtracting with Renaming
  - Worksheet 19 – Subtracting with Renaming
  - Worksheet 20 – Using Models
  - Worksheet 21 – Using Models
  - Worksheet 22 – Using Models
  - Worksheet 23 – Using Models
  - Review 2 – Review 2
- **Chapter 3 – Multiplication and Division**
  - Worksheet 1 – Multiply by 3
  - Worksheet 2 – Multiply by 3
  - Worksheet 3 – Multiply by 4
  - Worksheet 4 – Multiply by 4
  - Worksheet 5 – Multiply by 4 and 8
  - Worksheet 6 – Multiply by 8
  - Worksheet 7 – Multiply by 8
  - Worksheet 8 – Divide by 3
  - Worksheet 9 – Dividing by 4
  - Worksheet 10 – Multiplying and Dividing
  - Worksheet 11 – Dividing by 4 and 8
  - Worksheet 12 – Solving Word Problems
  - Worksheet 13 – Solving Word Problems
  - Worksheet 14 – Solving Word Problems



- Worksheet 15 – Solving Problems
- Mind Workout – Mind Workout
- Review 3 – Review 3
- **Chapter 4 – Further Multiplication and Division**
  - Worksheet 1 – Multiplying 2 Digit Numbers
  - Worksheet 2 – Multiplying 2 Digit Numbers
  - Worksheet 3 – Multiplying 2 Digit Numbers
  - Worksheet 4 – Multiplying with Regrouping
  - Worksheet 5 – Multiplying with Regrouping
  - Worksheet 6 – Dividing 2-Digit Numbers
  - Worksheet 7 – Dividing with Regrouping
  - Worksheet 8 – Dividing with Regrouping
  - Worksheet 9 – Solving Word Problems
  - Worksheet 10 – Solving Word Problems
  - Worksheet 10 – Solving Word Problems
  - Mind Workout – Mind Workout
  - Review 4 – Review 4
- **Revision 1 – Revision 1**
  - Revision 1 – Revision 1
- **Chapter 5 – Length**
  - Worksheet 1 – Writing Length in Metres and Centimetres
  - Worksheet 2 – Writing Length in Centimetres
  - Worksheet 3 – Writing Length in Metres
  - Worksheet 4 – Writing Length in Kilometres and Metres
  - Worksheet 5 – Comparing Length
  - Worksheet 6 – Solving Word Problems
  - Worksheet 7 – Solving Word Problems
  - Worksheet 8 – Solving Word Problems
  - Worksheet 9 – Solving Word Problems
  - Worksheet 10 – Solving Word Problems
  - Mind Workout – Mind Workout
  - Review 5 – Review 5
- **Chapter 6 – Mass**
  - Workout 1 – Reading Weighing
  - Workout 2 – Reading Weighing
  - Workout 3 – Reading Weighing
  - Workout 4 – Reading Weighing
  - Workout 5 – Solving Word Problems
  - Workout 6 – Solving Word Problems
  - Workout 7 – Solving Word Problems
  - Mind Workout – Mind Workout
  - Review 6 – Review 6
- **Chapter 7 – Volume**
  - Worksheet 1 – Measuring Volume in Millilitres
  - Worksheet 2 – Measuring Capacity in Millilitres
  - Worksheet 3 – Measuring Volume in Millilitres and Litres
  - Worksheet 4 – Measuring Volume in Millilitres and Litres
  - Worksheet 5 – Measuring Volume in Millilitres and Litres
  - Worksheet 6 – Measuring Volume in Millilitres and Litres
  - Worksheet 7 – Solving Word Problems
  - Worksheet 8 – Solving Word Problems
  - Worksheet 9 – Solving Word Problems
  - Worksheet 10 – Solving Word Problems
  - Review 7 – Review 7
- **Revision 2 – Revision 2**

- Revision 2 – Revision 2
- **Mid Year Revision – Mid Year Revision**
  - Section A Q1-12 – Section A Q1-12
  - Section B Q13-30 – Section B Q13-30
  - Section C Q31-45 – Section C Q31-45