PROCESS SKILLS IN PROBLEM SOLVING (L2) CONTENTS

Part I The Model Approach

Unit 1	Addition Within 1000	1
	(Part-Whole Model / Putting-Together Concept / Adding-On Concept)	
Unit 2	Subtraction Within 1000	10
	(Part-Whole Model / Set-And-Subset Concept / Taking-Away Concept)	
Unit 3	Addition and Subtraction Involving Comparison	19
	(Comparison Concept I, II, III)	
Unit 4	*Addition And Subtraction - Two-Step Word Problems	28
Unit 5	Multiplication And Division By 2 And 3	35
	(Repeated-Addition Concept / Sharing Concept / Grouping Concept)	
Unit 6	Multiplication And Division by 4, 5 And 10	44
Unit 7	*Four Operations	51

Part II The Heuristic Approach

Unit 8	Systematic Listing I	59		
Unit 9	Work Backwards	55		
Unit 10	Look For Pattern	58		
Unit 11	Restate The Problem	74		
Unit 12	Draw A Diagram	77		
Unit 13	Systematic Listing II (Spatial Visualisation)	33		
Unit 14	Combined Strategies	36		
Answer Key & Detailed Solutions				
FAN-Math New Publications 102				
*More challenging problems especially for advanced pupils.				



They blew <u>322</u> balloons altogether in the contest.

*Addition And Subtraction - Two-step Word Problems

Example 4A

Solve the problem.

There are 47 boys and 35 girls in an Art Club.18 of them are Primary 1 pupils.The rest are Primary 2 pupils.How many Primary 2 pupils are there in the Art Club?

Step 1 Draw the model and write the number sentence.



82 - 18 = 64 (P2)



There are <u>64</u> Primary 2 pupils in the Art Club.





Solve each problem. Show your model, working and statement clearly.

*1. Sam had 145 blue marbles and 90 red marbles. He gave away 68 marbles. How many marbles had he left in the end?

Thinking Mathematically	
What do we need to	
find first?	

Ans:

He had _____ marbles left in the end.

*2. Uncle Wee had 124 red apples and 218 green apples. He threw away 47 rotten apples. How many apples had he left in the end?

C	
	What do we need to find first?
	Ans:
	\rightarrow

He had _____ apples left in the end.